www.a-okmotor.com

A-OK®
AI Motors Specialist

2026
MOTORIZATION SOLUTIONS
FOR EXTERIOR SUN PROTECTION

A-OK®

EXTERIOR SUN PROTECTION

AI MOTOR SPECIALIST

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SINCE 1998

ABOUT A-OK

A-OK was established in 1998
dedicated to professional design and precision
manufacturing of door and window motors and
intelligent control systems.
We create smart living spaces with motorized
quality sun protection for global users!

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A leading motor manufacture for window coverings/doors industry

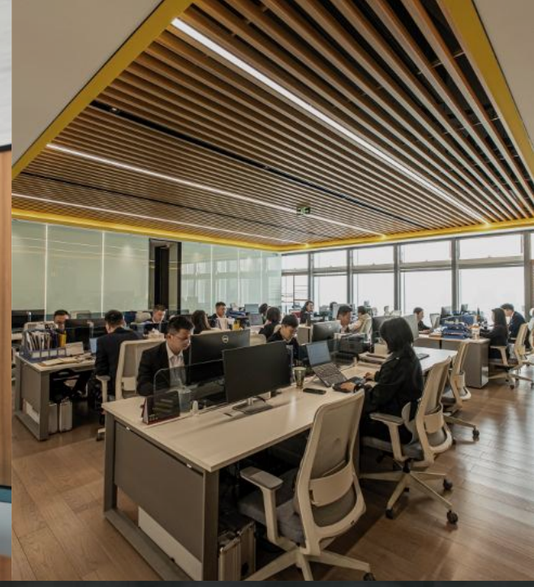
Various products/solutions meet any application

Technology innovation is the motive force that we advance

Follow market trend with edge tech
Offer high cost-effective products to our customers

Continued ability to manufacture in house release large production capability

complete supply chain integration
provide strong manufacture feasibility to our customers



HUIZHOU MANUFACTURE PLANT

27 YEARS

180+
/ COUNTRIES OF SALE

1000+
/ EMPLOYEES

$1000+
/ Million SALES REVENUE

300+
/ PATENTS

55000
/ m² MANUFACTORY

175000
/ m² A-OK Building

SHENZHEN HEADQUARTERS

QUALITY PRODUCTION

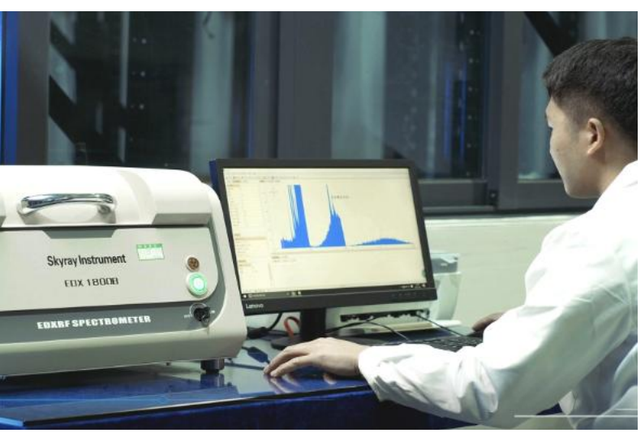
Create A-OK Elite Team, Build Industry First-class Brand

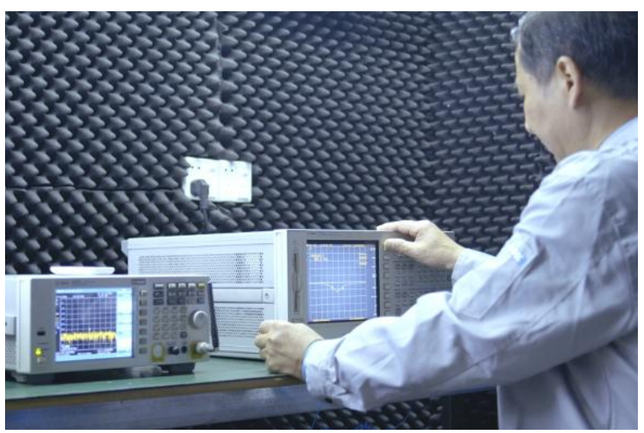
It's impossible to create brand overnight, but require elaborate design, crafted manufacturing, gradual improvement and perfection. Therefore, perfection seeking requires meticulousness, will and patience. Perfection seeking is to be responsible for the customers and markets. With the conception, A-OK carries specialized management principle, insists on brand development with excellent products and perfect services. With the high professional team and precise production equipments, we are seeking for offering user outstanding and qualified products on every single detail.

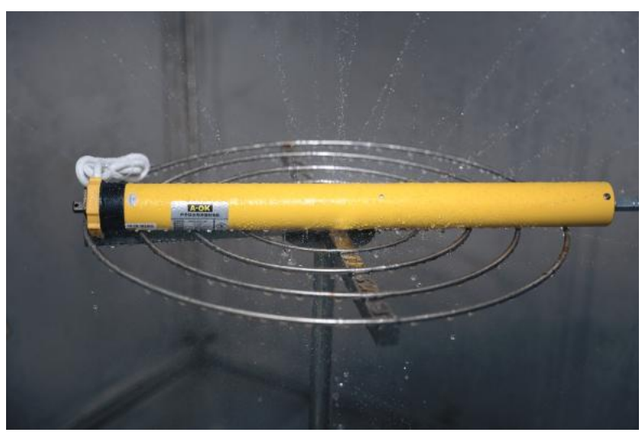
RELIABILITY LAB

Quality and Safety is at the heart of A-OK's product philosophy.

A good product is thoughtful in design yet reliable in usage.At the Reliability Lab, A-OK tests every aspects of its AI Automation and Controller products, To ensure product's reliability according to Government & Industrial Regulations.







WORLD WIDE SALES NETWORK

A-OK DISTRIBUTOR RECRUITMENT IS IN FULL SWING!

A-OK has a global distribution network with more than 30 overseas regional distributors
Together with the subsidiaries, A-OK France and A-OK global local distribution network will gradually be established to better serve the global market

180+
Countries and Regions

300+
Distribution Presences

2000+
Partners/Customers

Product quality has been the core of the market competition since the establishment of A-OK. The successful positioning and the strong product awareness of all A-OK staffs makes A-OK the leading supplier of motorized window coverings and doors control system solutions.

CERTIFICATIONS

China compulsory product certification system

ETL Certification (Canada & US)

c-TUV-us Certification

German Technical Supervision Association

NF Certification (France)

UL Certification

CB Certification

FCC Certification

EU mandatory safety certification

UL Certification (North Americe)

Industry Canada

TUV Certification

Korea KC Certification

RCM Certification Australia

UK UKCA certification

Saber Certification (Saudi Arabia)

Independent Communications Authority of South Africa

Global Environment Protection Certification

ISO9001 : 2015

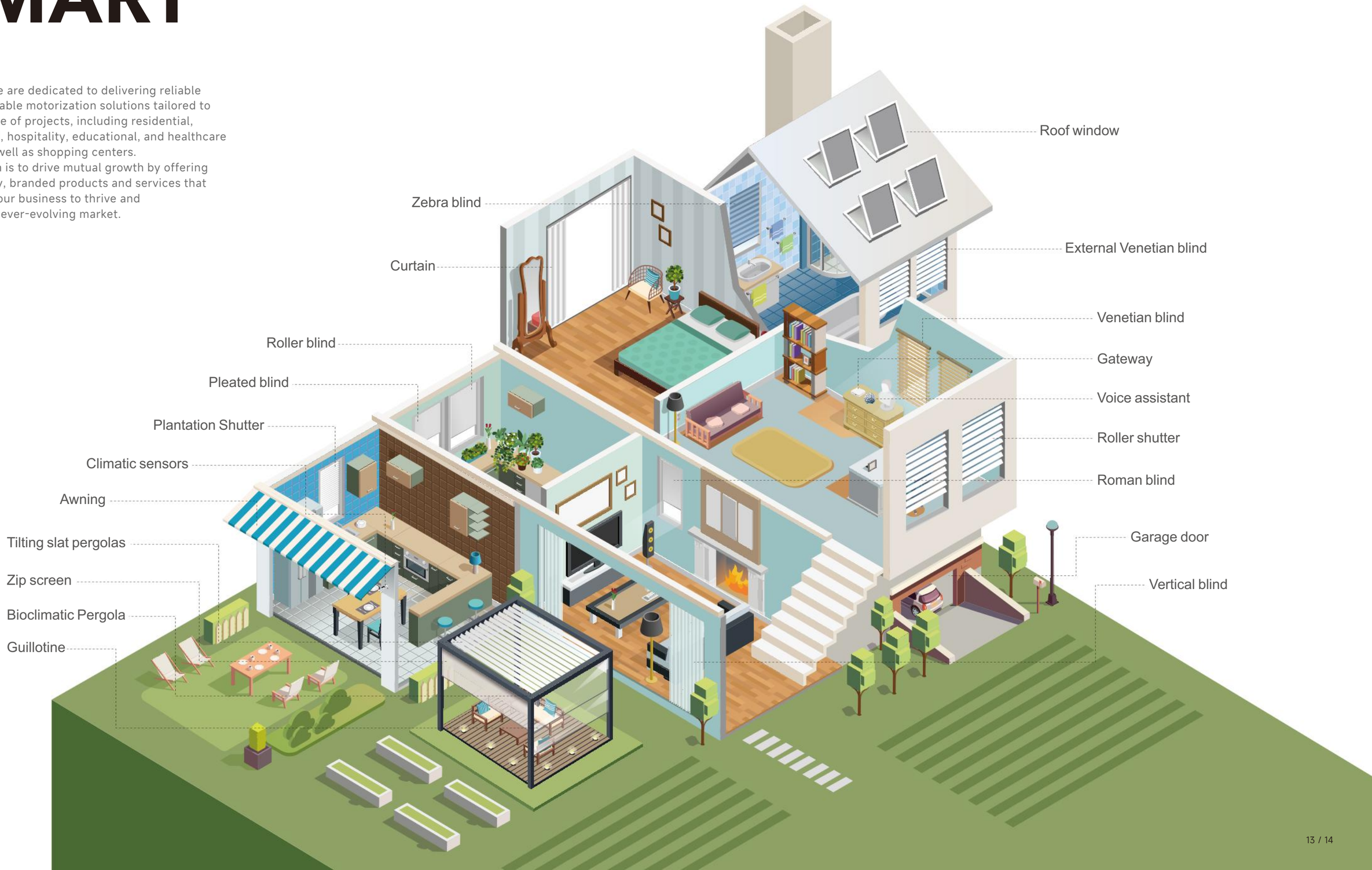
Quality and Safety are at the heart of A-OK's product philosophy.
To enhance production efficiency, ISO9001:2015 TUV and the Lean Production System are employed to ensure high-standard quality.
To meet the worldwide regulations on product safety.
A-OK had acquired safety-related certifications for electronic products across the globe.

EXHIBITION

PROJECT CASE

A-OK SMART

At A-OK, we are dedicated to delivering reliable and sustainable motorization solutions tailored to a wide range of projects, including residential, commercial, hospitality, educational, and healthcare spaces, as well as shopping centers.
Our mission is to drive mutual growth by offering high-quality, branded products and services that empower your business to thrive and adapt in an ever-evolving market.



A-OK SMART

Seamless Integration

At the heart of modern living, our smart home solutions seamlessly connect devices, ensuring convenience, efficiency, and control at your fingertips. With advanced connectivity and automation, we transform spaces into intelligent environments.

Bi-directional feedback

View roller shade openness in the app as a percentage after setup

Battery status

View real-time motor and shade power levels in the app

Voice Commands

Control shades with Google, Alexa, Siri, and more

works with Apple Home

works with Google Home

works with alexa

works with Samsung SmartThings

Timer

Program blinds with smart motors to open or close automatically at preset times, ensuring convenience and comfort

Entertainment Scenes

Pre-configured settings simplify daily routines. Trigger scenarios with a click, timer, or action to control multiple smart devices at once

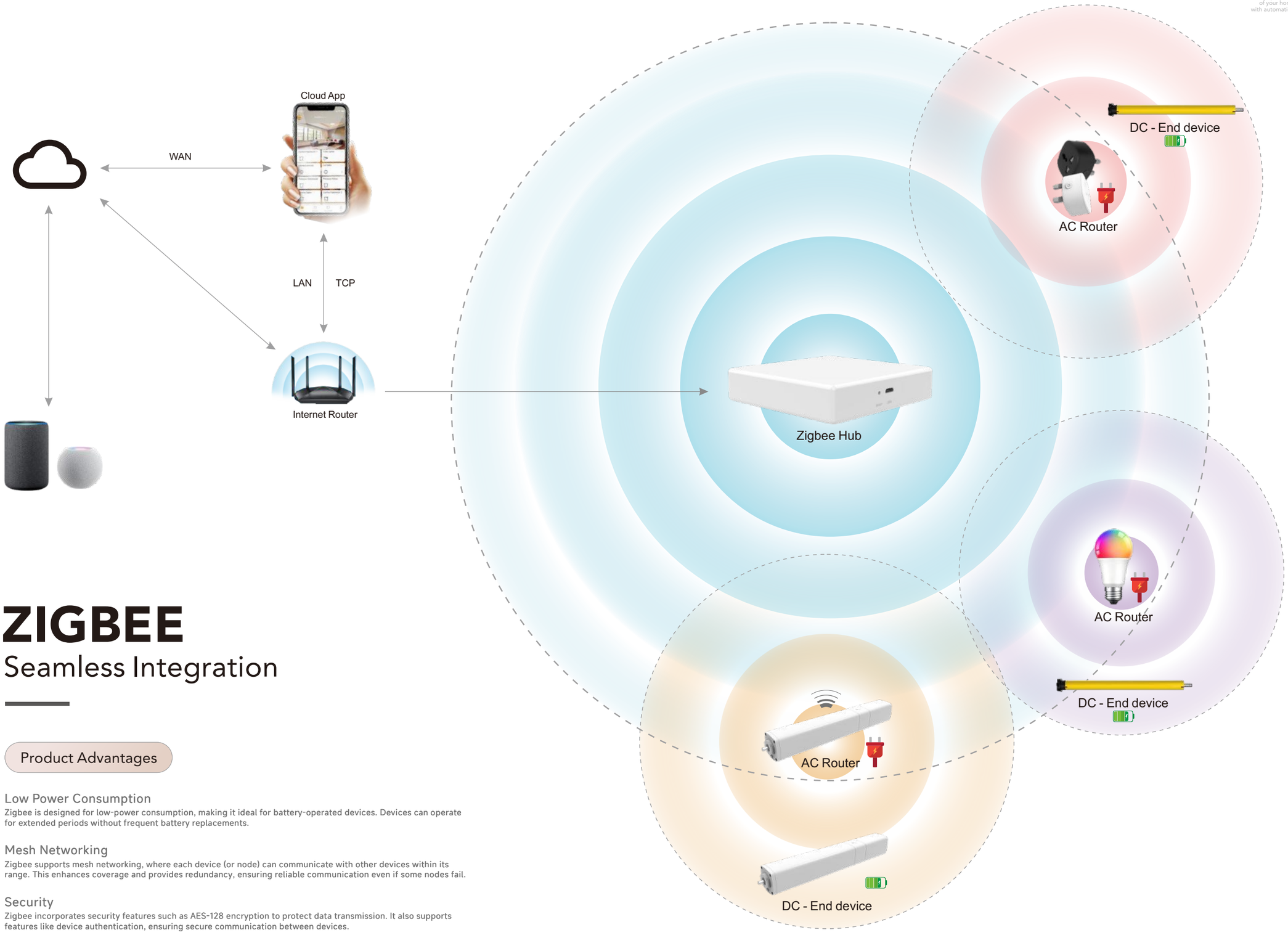
Family Sharing

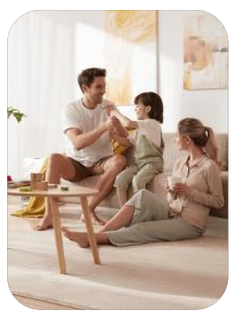
Share the smart curtain switch with family members for added convenience. Control multiple devices with one phone or share control of one device across multiple phones

Easy Configuration

Enable pairing mode, and the smart hub will automatically detect and connect to the motor

MOTORIZATION CONNECTED



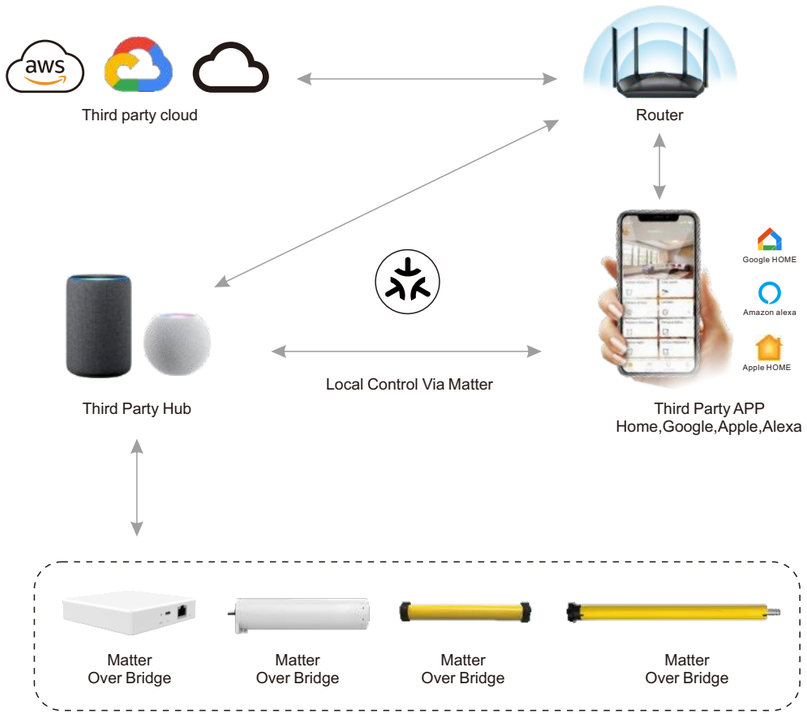


ZIGBEE

Seamless Integration

Product Advantages

- **Low Power Consumption**
  Zigbee is designed for low-power consumption, making it ideal for battery-operated devices. Devices can operate for extended periods without frequent battery replacements.
- **Mesh Networking**
  Zigbee supports mesh networking, where each device (or node) can communicate with other devices within its range. This enhances coverage and provides redundancy, ensuring reliable communication even if some nodes fail.
- **Security**
  Zigbee incorporates security features such as AES-128 encryption to protect data transmission. It also supports features like device authentication, ensuring secure communication between devices.

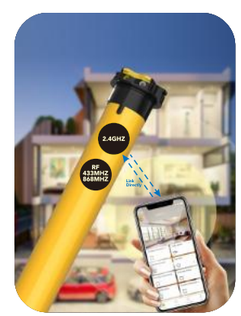


MATTER

Seamless Integration

Product Advantages

- Reliability
  Consistent and responsive local connectivity.the new industry-unifying standard, unites the benefits of Wi-Fi, Thread, and their common foundation of IP, resulting in a seamless network that supports experiences across a vibrant ecosystem. Matter allows developers to create smart devices that work with each other, regardless of brand, with Matter-enabled, smart home platforms.
- Security
  Robust and streamlined for developers and users.
  Matter is the new smart home standard, was created with security and privacy as key design tenets and provides a baseline for building secure IoT devices.
- Interoperability
  Devices from multiple brands work natively together.
  Matter's foundational multi-admin feature allows you to connect your smart devices to multiple apps and ecosystems locally, securely, and simultaneously. The multi-admin feature is just one way Matter is delivering on its promise of interoperability, as it allows users to choose the brands and devices they love and the ecosystems they'll work with while knowing their smart home will be able to grow with them.

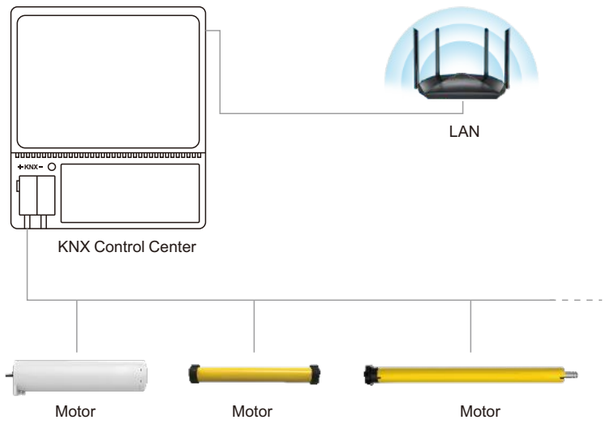


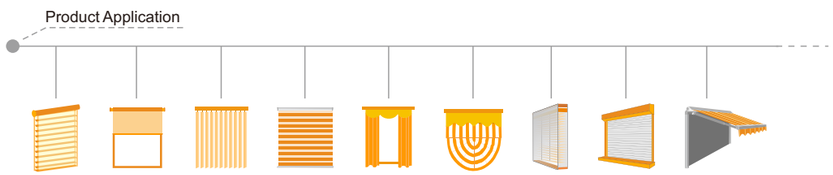
WI-FI

Seamless Integration

Product Advantages

- Mobility and Convenience
  Wireless Connectivity: Wi-Fi allows devices to connect to the internet without the need for physical cables, providing greater mobility and convenience.
  Ease of Access: Users can connect to Wi-Fi networks in various locations such as homes, offices, cafes, and public spaces, making it highly accessible.
- Support for Multiple Devices
  Simultaneous Connections: Modern Wi-Fi standards support multiple devices connecting simultaneously without significant performance degradation.
- High Data Transfer Rates
  Advanced Standards: Wi-Fi standards offer high data transfer rates, low latency, and improved performance in dense environments.



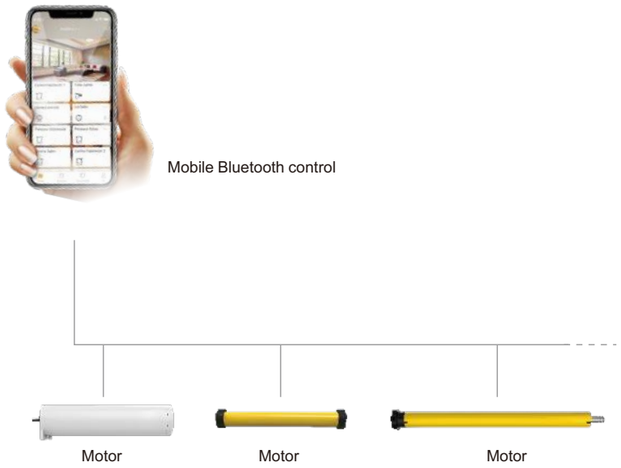


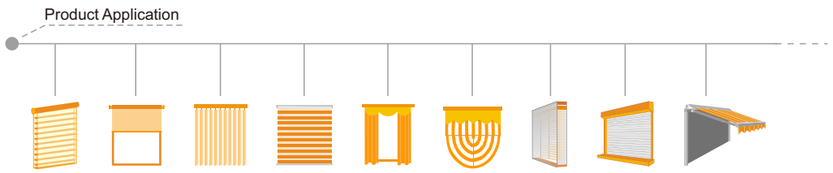
KNX
Seamless Integration

Product Advantages

- **Open standard**
  The universal KNX protocol guarantees that all connected devices from different manufacturers are compatible with each other. This means that you're not tied to a single manufacturer, if you choose a particular brand.
- **Quality**
  As KNX is mostly used within high-value commercial buildings and residential buildings, the KNX Association requires a high level of production and quality control during all stages of a KNX product's life.
- **Versatile and future proof**
  Any KNX system can be expanded or reprogrammed. Once a KNX system has been installed, the system can be adapted to individual requirements whenever preferences or working conditions change.
- **Decentralized system**
  KNX is a decentralized system; If one device stops working, the rest will continue to function unhindered.
- **Secure**
  As a wired system, KNX is closed from the outside world, making it the best way to secure your data.

CONNECT
Unlock the potential of your home with automation

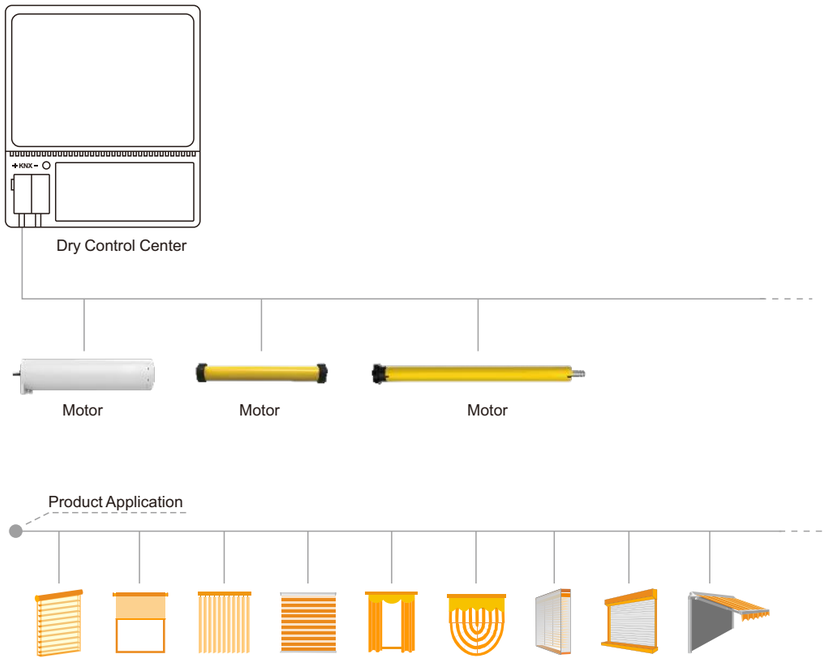




BLUETOOTH
Seamless Integration

Product Advantages

- **Convenience**
  Pairing devices with a built-in Bluetooth radio hardware involves a simple and straightforward process. There is no need to install additional software or drivers to establish communication or connection between Bluetooth-enabled devices. There is also no rigorous setup process for two devices to communicate. Pairing devices takes less than a minute. The overall user experience is also considered intuitive because of the simple setup and pairing processes.
- **Energy Efficiency**
  The ultra-low power requirement of BLE makes it ideal for small devices such as wearable devices in which minimal battery capacity and small physical form factor are critical design and engineering considerations. Bluetooth consumes relatively low power, making it suitable for battery-powered devices. Additionally, it allows for secure and encrypted data transmission, ensuring privacy and protection.



RS485 / DRY CONTACT

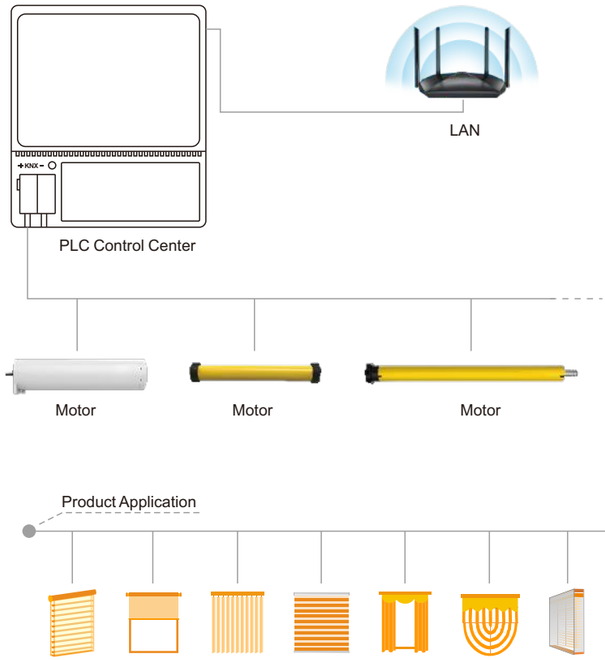
Seamless Integration

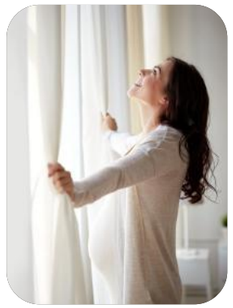
Product Advantages

- Long-distance communication
  RS485 can communicate over much greater distances than other protocols, making it ideal for applications where data needs to be transmitted over long distances. RS485 can support data rates up to 10 Mbps, making it suitable for applications that require high data throughput.
- Ease of use
  RS485 is a simple protocol to use and doesn't require special skills or knowledge to set up and use effectively.
- Reliability
  RS485 is typically less expensive(long-distance transmission) than other protocols, making it a cost-effective solution for many applications.
- Compatibility
  RS485 is compatible with a wide range of devices and systems, making it easy to integrate into existing infrastructure.

PLC

CONNECT
Unlock the potential of your home with automation





PLC

Seamless Integration

Product Advantages

- Communication
  The PLC can use various standardised communication protocols. A PLC can link with other controllers, computers, or production equipment and perform multiple functions such as gathering data, monitoring devices, processing parameters and uploading programs.
- Reliable
  It's easy to upload and download various programmes onto a PLC control system. All program logic remains in the PLC memory, so it won't cause wiring errors and will remain reliable with solid-state components.
- Convenience
  PLC control systems reduce hardwiring inconveniences often associated with traditional relay control circuits. A PLC is also more compact, taking up less space than conventional; relay-based control systems.
- Real-time
  Fast operation alongside the PLC control system managing real-time results is what makes a PLC so effective. No other industrial technology has the same ability to control operations as quickly or accurately.

TUBULAR MOTOR SERIES

AM35 SERIES

AM45 SERIES

AM60 SERIES

Φ45

MOTORS

NEW PLUG
& PLAY SERIES

D Designed for Silence

Patents design features of braking technology makes the movement smooth and silent.

C Energy Saving

Solar powered & Sensor control reduces energy consumption.

B Ip64 Waterproof Motor

A Multiple control methods

Zigbee \ WIFI \ RF \ RS485 & Dry Contact

E Simple Operation & Security

Self-learing end limit positions, stop and roll back if there is any obstacle encountered during operation.

F Quiet DC motor technology

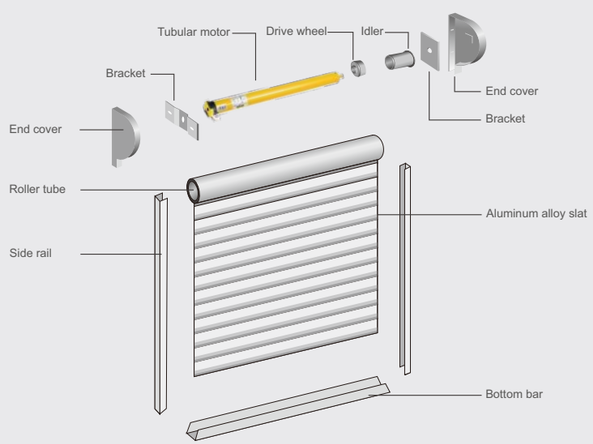
Silent & smooth movement, no continuous working time limitation.

G Plug-in cable

MOTORIZED ROLLER SHUTTER

A motorized roller shutter is a roller shutter with a tubular motor fitted within the roller axle tube. Automatic operation can be added. Controlled with a smart phone, remote, or hardwired switch. This is designed for energy efficiency, safety, privacy, sun protection, weather protection, light control, etc. With A-OK motor, the roller shutter has never been easier to control your home, wherever you are, whenever you want to open or close. A simple click on your remote or a light swipe on your smart phone! A-OK simplifies your life!

Structure



MOTORIZED ROLLER SHUTTER BENEFITS

Safety & Security
Manual lifting Prohibit to perfect home security, provides a rigid protective barrier for the home.

Energy Savings
Motorized rolling shutters can reduce heat gain in the summer and heat loss in the winter

Smart Home
Control shutter via smart phone or via voice

Sun-light Adjustment
Allows you to enjoy total freedom in any room by graduating the entr y of light and air.

RECOMMENDED SOLUTION

01	Wired Obstacle Detection AC Motor	Switch	Adaptor	Crown	Bracket	Idle				Wired
	x1	x1	x1	x1	x1	x1				
02	Wired Obstacle Detection AC Motor	Remote	Remote	Adaptor	Crown	Bracket	Idle			Wired
	x1	x1	x1	x1	x1	x1	x1			
03	Radio Obstacle Detection AC Motor	Remote	Adaptor	Crown	Bracket	Idle				Radio, zigbee, WiFi
	x1	x1	x1	x1	x1	x1				
04	Radio Obstacle Detection Li-ion Battery Motor	Solar Panel	Remote	Charger	Adaptor	Crown	Bracket	Idle		Radio, zigbee, Bluetooth, Energy Conservation
	x1	x1 (Optional)	x1	x1 (Optional)	x1	x1	x1	x1		
05	Radio Obstacle Detection NiMH Battery Motor	Solar Panel	Battery Stick	Remote	Charger	Adaptor	Crown	Bracket	Idle	Radio, zigbee, Bluetooth, Energy Conservation
	x1	x1 (Optional)	x1	x1	x1 (Optional)	x1	x1	x1	x1	

SELECTION TABLES

AM35 (Nm: 5, 10, 15, 20, 25, 30, 35)

Φ 40mm	3N.m	6N.m	10N.m
Φ 45mm	3N.m	6N.m	10N.m
Φ 50mm	3N.m	6N.m	10N.m

AM45 (Nm: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110)

Φ 54mm	10N.m	20N.m	30N.m	40N.m	50N.m
Φ 60mm	10N.m	20N.m	30N.m	40N.m	50N.m
Φ 64mm	10N.m	20N.m	30N.m	40N.m	50N.m
Φ 70mm	10N.m	20N.m	30N.m	40N.m	50N.m
Φ 80mm	10N.m	20N.m	30N.m	40N.m	50N.m

AM60 (Nm: 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190)

Φ 70mm	80N.m	100N.m	120N.m
Φ 80mm	80N.m	100N.m	120N.m
Φ 89mm	80N.m	100N.m	120N.m
Φ 102mm	80N.m	100N.m	120N.m

*Select suitable motors for your roller shutter, please refer to the above chart according to your needs.
For more information, please check detailed technical parameters on motor pages.

*For accessories details please see page 149-156

GUIDELINES FOR CHOOSING A MOTOR

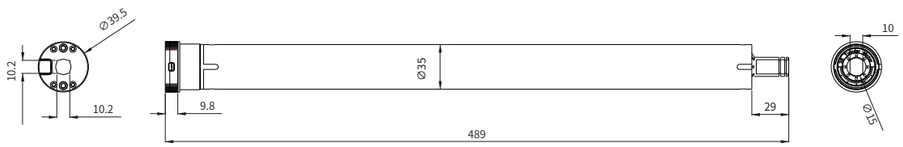
PRODUCT MATRIX

Selecting suitable motors for your shades, please refer to the below product matrix according to your needs

			Application					Power suply					Motor Head						Settings						Functions									Control							
Roller Shutter Motors	Page	Model name	Roller Shutter - Rigid Links + stops in down bar	Roller Shutter - Soft links + stops in down bar	Roller Shutter - Soft links	Roller Shutter - Rigid Links		AC Powered	DC Powered	Embeded battery	External battery	Solar possibility	Round Head	Star Head	Square Head	Motor Head D	Hand-cranked Head	Plug&Play cable	Manual end limit setting - electronic	Semi-automatic end limit setting - electronic	Automatic end limit setting - electronic	Mechanical end limits setting	Electronic torque control (self addaption)	Automatic rotation change	Obstacle detection to DOWN & UP direction	Obstacle detectios sensitivity adjustment	Obstacle detection ON/Off function	Anti freezing protection	Periodic calibration of the end positions (100 cycles)	Silent	Favourite position	Soft Start / Soft Stop	Back release (0.2s reverse at end limits)		Zigbee	WiFi	Remote 433MHz	Remote 868MHz	Wall switch Control	Rs485	Wind & Sun Sensor	Wind & Sun & Rain Sensor
AM35 External NiMH Battery Obstacle Detection DC Motor		AM35-R-ES	●	●	●	●			●		●	●	●						●	●	●		●	●	●	●	●	●	●	●	●	●			●		●	●			●	●
AM35 Radio Obstacle Detection AC Motor		AM35-R-E	●	●	●	●		●					●					●	●	●	●		●	●	●	●	●	●	●		●		●		●	●	●	●			●	●
AM35 Wired Obstacle Detection AC Motor		AM35-R	●	●	●	●		●					●					●	●	●	●		●	●	●	●	●	●	●				●						●			
Am35 Mechanical Limit Radio AC Motor		AM35-E	●	●	●	●		●					●									●														●	●				●	●
AM35 Mechanical Limit Wired AC Motor		AM35	●	●	●	●		●					●									●																	●			
AM45 AC Powered Ultra Quiet Electronic Limit Obstacle Detection DC motor		AM45-R-HV	●	●	●	●		●						●				●	●	●	●		●	●	●	●	●	●	●	●	●	●			●		●	●			●	●
AM45 Built-in Li-ion Battery Obstacle Detection DC Motor		AM45-R-ES-E	●	●	●	●			●	●		●		●					●	●	●		●	●	●	●	●	●	●	●	●	●			●		●	●			●	●
AM45 External NiMH Battery Obstacle Detection DC Motor		AM45-R-ES	●	●	●	●			●		●	●		●					●	●	●		●	●	●	●	●	●	●	●	●	●			●		●	●			●	●
AM45 AC Powered Wired Super Short Obstacle Detection DC Motor		AM45-MEL-P-R	●	●	●	●		●						●				●	●	●	●		●	●	●	●	●	●	●		●	●							●			
AM45 AC Powered Radio Super Short Obstacle Detection DC Motor		AM45-MEL-P-R-E	●	●	●	●		●						●				●	●	●	●		●	●	●	●	●	●	●	●	●	●					●	●			●	●
AM45 Radio Obstacle Detection AC Motor		AM45-R-E	●	●	●	●		●						●				●	●	●	●		●	●	●	●	●	●		●	●		●		●	●	●	●			●	●
AM45 Wired Obstacle Detection AC Motor		AM45-R	●	●	●	●		●						●				●			●		●	●	●	●	●	●					●						●			
AM45 Mechanical Limit Radio AC Motor		AM45-E	●	●	●	●		●						●	●	●						●														●	●				●	●
AM45 Short Mechanical Limit wired AC Motor		AM45-S	●	●	●	●		●						●	●	●						●																	●			
Am45 Mechanical Limit wired AC Motor		AM45	●	●	●	●		●						●	●	●						●																	●			
AM45 Crank Operated Mechanical Limit AC Motor		AM45E	●	●	●	●		●									●					●																	●			
AM45 Crank Operated Mechanical Limit Radio AC Motor		AM45E-E	●	●	●	●		●									●					●															●				●	●

AM35

External NiMH Battery Obstacle Detection DC Motor



ROLLER SHUTTER

Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Silent & smooth movement

- With patents design features to reduce motor operating sound.
- Come with the soft start-stop to protect the roller shutter from damage.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.

Communication & Control Options

- With duel Zigbee /Bluetooth smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Anti-freezing Protection

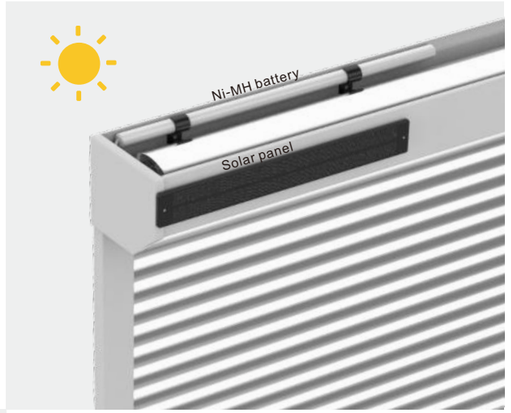
- Stops the motor if frost or ice freezes the shutter in place.

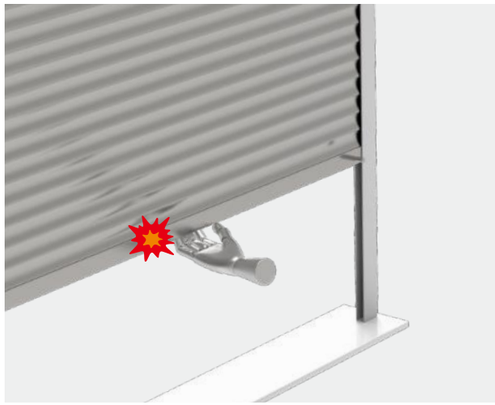
RF remote control | App control | Voice control | Timer control | Wind sensor | Sunlight sensor

Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM35-6/20-R-ES	6N.m	20rpm	433MHz	DC 12V	36W	3A	IP44	RF
AM35-10/13-R-ES	10N.m	13rpm	433MHz	DC 12V	36W	3A	IP44	RF
AM35-6/20-R-ES-Z	6N.m	20rpm	868MHz	DC 12V	36W	3A	IP44	RF+ZigBee
AM35-10/13-R-ES-Z	10N.m	13rpm	868MHz	DC 12V	36W	3A	IP44	RF+ZigBee

ENERGY SAVING

Find out the factor that it would greatly affect your cost savings, home value, and environmental impact from installing a solar powered shutter motor.





OBSTACLE RECOGNITION EITHER UPWARD OR DOWNWARD

The shutter motor would stop and roll back automatically if any objects are encountered during operation.

ACCESSORIES REQUIRED

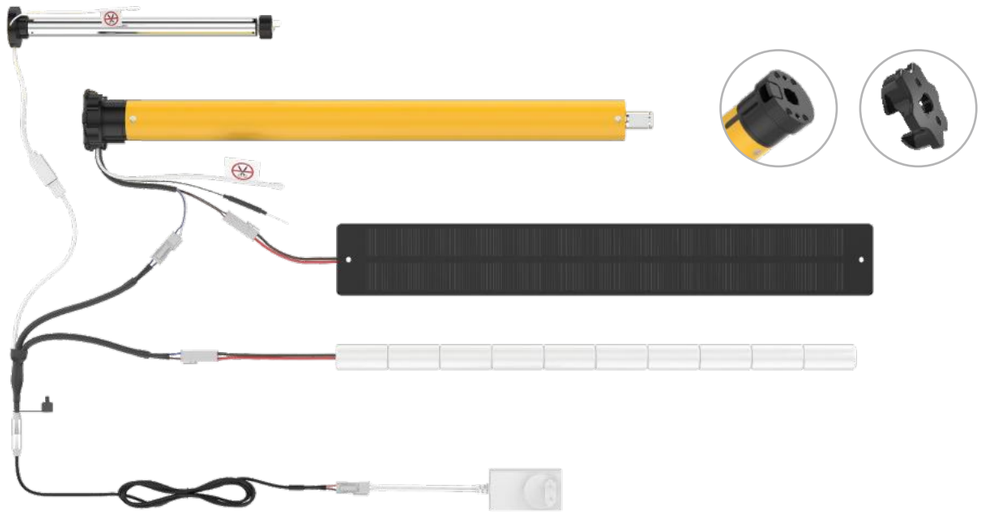
End stop locker components are required to practice self learning end limit stops, which would save a lot of time to do adjustment.

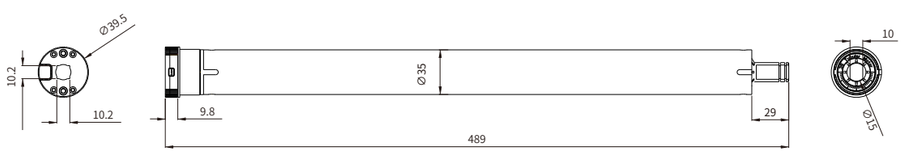
PROTECTION AGAINST FREEZING

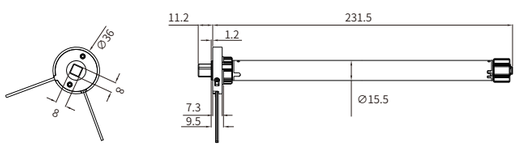
The motor will not operate if the guides and/or slats are frozen.

AM35

Motorized solution for roller shutter with mosquito SCREEN



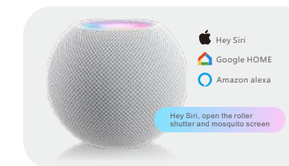




ROLLER SHUTTER
WITH MOSQUITO SCREEN

MOTORIZATION WITH INGENUITY

The roller shutter with mosquito screen motorization systems are easily integrated with solar package which providing total home or building sustainable, flexible, innovative and stylish solutions. No existing electrical outlet required that makes you independent, saves energy and makes a valuable contribution towards protecting the environment.



Voice control using your voice to control your smart shades, with our most recent innovation highlight solar-powered obstacle detection motor featuring Zigbee 3.0 technology which ensures seamless comfort for everyone, opening and closing the shades at the right time, even far away from your home.

Discover the perfect combination between mosquito screen and roller shutter. Benefit from a mosquito net integrated into your roller shutter to fight against mosquitoes, it designed to allow good air passage while keeping insects out.

RF remote control

Timer control

Sunlight sensor

Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.

Silent & smooth movement

- With patents design features to reduce motor operating sound.
- Come with the soft start-stop to protect the roller shutter from damage.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Anti-freezing Protection

- Stops the motor if frost or ice freezes the shutter in place.

Model NO.	Rated Torque	Rated RPM	Frequency	Rated voltage	Rated power	Rated current	IP class	Built-In Chip
AM35-10/13-R-ES-Z	10N.m	13rpm	868MHz	DC12V	36W	3A	IP44	RF+ZigBee

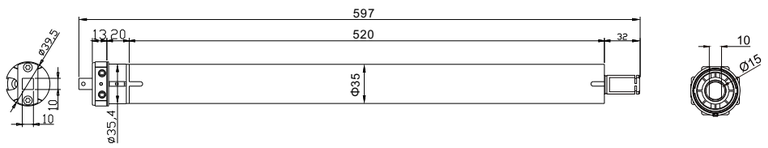
Model NO.	Rated Torque	Rated RPM	Frequency	Rated voltage	Rated power	Rated current	IP class	Built-In Chip
AM15-03/35-ES	0.3N.m	35rpm	868MHz	DC12V	4.8W	0.4A	IP42	RF

Model NO.	Open-Circuit voltage	Operating voltage	Short-Circuit current	Working current	Working temp	Rated power	Size
AC605-01	21.5V	18V	0.21A	0.19A	-20℃～+60℃	3.5W(±0.5)	450x60(±0.3)x5mm

Model NO.	Capacity	Rated voltage	Working current	Working temp	Size
AC705-01/02	2800mAh/4000mAh	DC12V	4A	-10℃～+60℃	445x28mm

AM35

Wired Obstacle Detection AC Motor



ROLLER SHUTTER

Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Flexible limit setting mode

- Setting limits in automatically mode, or setting limits in manual mode.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Automatically checking/changing direction

- The motor direction can be reversed automatically, if the motor moving direction was wrong.

Anti-freezing Protection

- Stops the motor if frost or ice freezes the shutter in place.

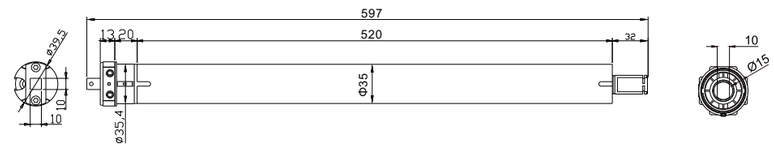
Switch control

Limit setting switch

Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM35-10/17-R	10N.m	17rpm	230V	138W	0.6A	IP44	Switch

AM35

Radio Obstacle Detection AC Motor



ROLLER SHUTTER

Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Flexible limit setting mode

- Setting limits in automatically Mode, in semi-automatically mode or setting limits in manual mode.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Anti-freezing Protection

- Stops the motor if frost or ice freezes the shutter in place.

Automatically checking/changing direction

- The motor direction can be reversed automatically, if the motor moving direction was wrong.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

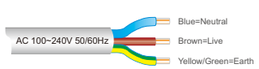
RF remote control

RS485 control
Dry contact control

Timer control

Wind sensor

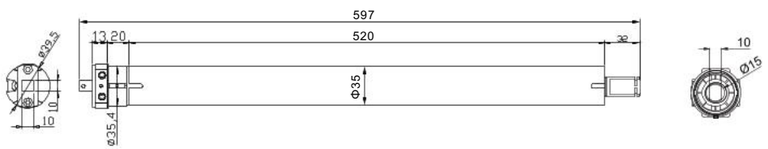
Sunlight sensor



Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM35-10/17-R-E	10N.m	17rpm	868MHz/433MHz	230V	135W	0.6A	IP44	RF

AM35

Mechanical Limit AC Motor



- Silent operation with noise level as low as 35dB
- High impact resistant relay, industrial grade CPU
- Built in superheterodyne receiving module, long control distance, strong anti-interference ability, receiving sensitivity -110dBm
- The repeated positioning accuracy can reach ± 2 °C
- There are 32 and 45 maximum limit turns available for selection

230V AC 50/60Hz

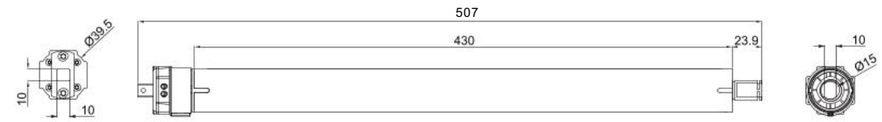
Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM35-6/28	6N.m	28rpm	/	230V	115W	0.5A	IP44	Switch
AM35-10/17	10N.m	17rpm	/	230V	135W	0.6A	IP44	Switch
AM35-6/28-E	6N.m	28rpm	433MHz	230V	115W	0.5A	IP44	RF
AM35-10/17-E	10N.m	17rpm	433MHz	230V	135W	0.6A	IP44	RF

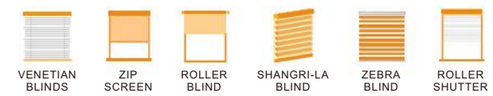
120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM35-6/28	6N.m	28rpm	/	120V	130W	1.1A	IP44	Switch
AM35-10/17	10N.m	17rpm	/	120V	130W	1.1A	IP44	Switch
AM35-6/28-E	6N.m	28rpm	433MHz	120V	130W	1.1A	IP44	RF
AM35-10/17-E	10N.m	17rpm	433MHz	120V	130W	1.1A	IP44	RF

AM35

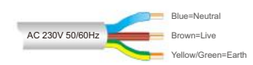
Electronic Limit Radio AC Motor





- **Ultra quiet design**
  - Built in DC motor ensures silent operation
- Obstacle detection, rebound when encountering obstacles
- Can set up 6 electronic limit sites (upper/lower limit sites and 4 intermediate limit sites)
- Slow start, slow stop
- Switchable motor running direction
- Automatic memory itinerary
- Comes with soft start stop function
- Bidirectional feedback

230V AC 50/60Hz



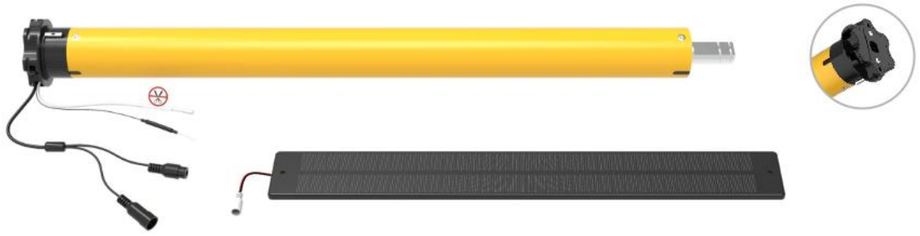
Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM35-6/28-MEL	6N.m	28rpm	433MHz	230V	115W	0.485A	IP44	RF
AM35-10/17-MEL	10N.m	17rpm	433MHz	230V	115W	0.485A	IP44	RF
AM35-6/28-MEL-W	6N.m	28rpm	433MHz	230V	115W	0.485A	IP44	RF+WiFi
AM35-10/17-MEL-W	10N.m	17rpm	433MHz	230V	115W	0.485A	IP44	RF+WiFi
AM35-6/28-MEL-Z	6N.m	28rpm	433MHz	230V	115W	0.485A	IP44	RF+Zigbee
AM35-10/17-MEL-Z	10N.m	17rpm	433MHz	230V	115W	0.485A	IP44	RF+Zigbee

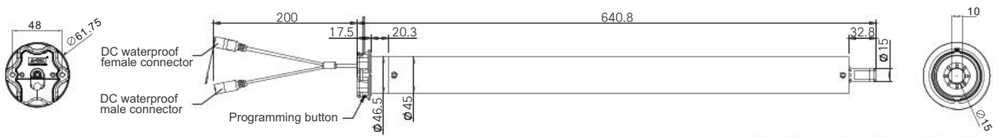
120V AC 60Hz

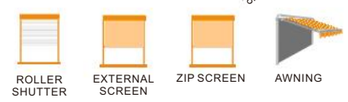
Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM35-6/28-MEL	6N.m	28rpm	433MHz	120V	115W	1.1A	IP44	RF
AM35-10/17-MEL	10N.m	17rpm	433MHz	120V	115W	1.1A	IP44	RF
AM35-6/28-MEL-W	6N.m	28rpm	433MHz	120V	115W	1.1A	IP44	RF+WiFi
AM35-10/17-MEL-W	10N.m	17rpm	433MHz	120V	115W	1.1A	IP44	RF+WiFi
AM35-6/28-MEL-Z	6N.m	28rpm	433MHz	120V	115W	1.1A	IP44	RF+Zigbee
AM35-10/17-MEL-Z	10N.m	17rpm	433MHz	120V	115W	1.1A	IP44	RF+Zigbee

AM45

Built-in Li-ion Battery Obstacle Detection DC Motor







Obstacle detection
- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Recalibrate End-stop positions
- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Flexible limit setting mode
- Setting limits in automatically mode, in semi- automatically mode or setting limits in manual mode.

Adjustable speed
- Motor with high speed and low speed optional, adjusting the speed by remote.

Anti-freezing Protection
- Stops the motor if frost or ice freezes the shutter in place.

Built-in rechargeable battery
- Motor built-in rechargeable 6200mAh lithium-ion battery, which support 6 months operation if runs 1 cycle per day. (1 cycle= 1 UP & 1 Down)

Communication & Control Options
- With duel Zigbee /Bluetooth smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

Compatible with sun & wind sensor
- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Automatically checking/changing direction
- The motor direction can be reversed automatically, if the motor moving direction was wrong.

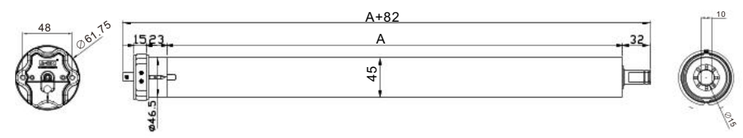
Solar Powered
- Solar power generation, sustainable energy source.

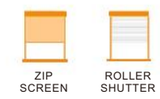
RF remote control | App control | Voice control | Timer control | Wind sensor | Sunlight sensor

Model NO.	Rated Torque	Rated RPM	Frequency	Rated voltage	Rated power	Rated current	IP class	Built-In Chip
AM45-10/12-R-ES-E	10N.m	12rpm	866MHz	DC12V	45W	3.5A	IP65	RF
AM45-20/12-R-ES-E	20N.m	12rpm	868MHz	DC12V	60W	5A	IP65	RF
AM45-10/12-R-ES-E-Z	10N.m	12rpm	866MHz	DC12V	45W	3.5A	IP65	RF+ZigBee
AM45-20/12-R-ES-E-Z	20N.m	12rpm	868MHz	DC12V	45W	5A	IP65	RF+ZigBee

AM45

External NiMH Battery Obstacle Detection DC Motor





Obstacle detection
- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Flexible limit setting mode
- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.

Recalibrate End-stop positions
- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Anti-freezing Protection
- Stops the motor if frost or ice freezes the shutter in place.

Solar Powered
- Solar power generation, sustainable energy source.

Silent & smooth movement
- With patents design features to reduce motor operating sound.
- Come with the soft start-stop to protect the roller shutter from damage.

Communication & Control Options
- With duel Zigbee /Bluetooth smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

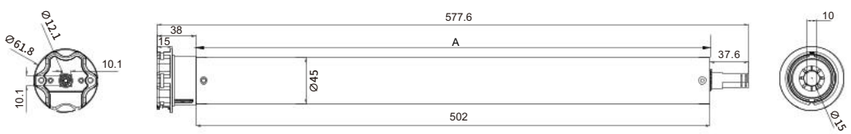
Compatible with sun & wind sensor
- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

RF remote control | App control | Voice control | Timer control | Wind sensor | Sunlight sensor

Model NO.	Rated Torque	Rated RPM	Frequency	Rated voltage	Rated power	Rated current	IP class	Built-In Chip
AM45-15/12-R-ES	15N.m	12rpm	433MHz	DC12V	45W	3.5A	IP44	RF
AM45-20/12-R-ES	20N.m	12rpm	433MHz	DC12V	60W	5A	IP44	RF
AM45-15/12-R-ES-Z	15N.m	12rpm	868MHz	DC12V	45W	3.5A	IP44	RF+ZigBee
AM45-20/12-R-ES-Z	20N.m	12rpm	868MHz	DC12V	60W	5A	IP44	RF+ZigBee

AM45

Smart Obstacle Detection AC Motor



ROLLER SHUTTER

ROLLER DOOR

Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Communication & Control Options

- Available for a variety of control systems, motor built-in smart chip, controlling shutter with a remote, with APP or with voice assistant.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Anti-freezing Protection

- Stops the motor if frost or ice freezes the shutter in place.

RF remote control

App control

Voice control

Timer control

Wind sensor

Sunlight sensor

230V AC 50/60Hz

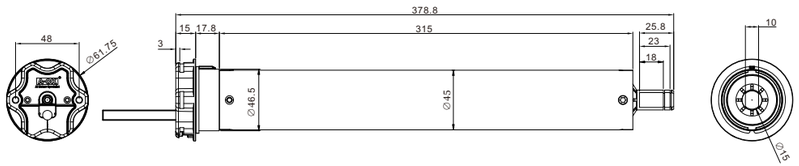
Model No.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-6/17-R-E-W	6N.m	17rpm	444mm	433MHz	230V	115W	0.5A	IP64	RF+WiFI
AM45-10/17-R-E-W	10N.m	17rpm	444mm	433MHz	230V	135W	0.6A	IP64	RF+WiFI
AM45-15/17-R-E-W	15N.m	17rpm	444mm	433MHz	230V	135W	0.6A	IP64	RF+WiFI
AM45-20/17-R-E-W	20N.m	17rpm	464mm	433MHz	230V	170W	0.7A	IP64	RF+WiFI
AM45-30/17-R-E-W	30N.m	17rpm	482mm	433MHz	230V	200W	0.9A	IP64	RF+WiFI
AM45-6/17-R-E-Z	6N.m	17rpm	444mm	868MHz	230V	115W	0.5A	IP64	RF+ZigBee
AM45-10/17-R-E-Z	10N.m	17rpm	444mm	868MHz	230V	135W	0.6A	IP64	RF+ZigBee
AM45-15/17-R-E-Z	15N.m	17rpm	444mm	868MHz	230V	135W	0.6A	IP64	RF+ZigBee
AM45-20/17-R-E-Z	20N.m	17rpm	464mm	868MHz	230V	170W	0.7A	IP64	RF+ZigBee
AM45-30/17 R-E-Z	30N.m	17rpm	482mm	868MHz	230V	200W	0.9A	IP64	RF+ZigBee

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-6/17-R-E-W	6N.m	17rpm	444mm	433MHz	120V	130W	1.1A	IP64	RF+WiFI
AM45-10/17-R-E-W	10N.m	17rpm	444mm	433MHz	120V	135W	1.5A	IP64	RF+WiFI
AM45-15/17-R-E-W	15N.m	17rpm	444mm	433MHz	120V	135W	1.5A	IP64	RF+WiFI
AM45-20/17-R-E-W	20N.m	17rpm	464mm	433MHz	120V	170W	1.4A	IP64	RF+WiFI
AM45-30/17-R-E-W	30N.m	17rpm	482mm	433MHz	120V	200W	1.7A	IP64	RF+WiFI
AM45-6/17-R-E-Z	6N.m	17rpm	444mm	868MHz	120V	115W	0.5A	IP64	RF+ZigBee
AM45-10/17-R-E-Z	10N.m	17rpm	444mm	868MHz	120V	135W	0.6A	IP64	RF+ZigBee
AM45-15/17-R-E-Z	15N.m	17rpm	444mm	868MHz	120V	135W	0.6A	IP64	RF+ZigBee
AM45-20/17-R-E-Z	20N.m	17rpm	464mm	868MHz	120V	170W	0.7A	IP64	RF+ZigBee
AM45-30/17 R-E-Z	30N.m	17rpm	482mm	868MHz	120V	200W	0.9A	IP64	RF+ZigBee

AM45

AC Powered Radio Super Short Obstacle Detection DC Motor



Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Silent & smooth movement

- With patents design features to reduce motor operating sound.
  Come with the soft start-stop to protect the roller shutter from damage.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Anti-freezing Protection

- Stops the motor if frost or ice freezes the shutter in place.

Waterproof Plug-in cable

- Patented motor head design with waterproof Plug-in cable makes installation quick and easy.

RF remote control

Wind sensor

Sunlight sensor

Timer control

Model No.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM45-6/17-MEL-P-R	6N.m	17rpm	315mm	/	100~240V	60W	0.5A	IP65	Switch
AM45-6/17-MEL-P-R-E	6N.m	17rpm	315mm	868MHz	100~240V	60W	0.5A	IP65	RF

Narrow Shutter Application

NARROW SHUTTER EMANCIPATOR

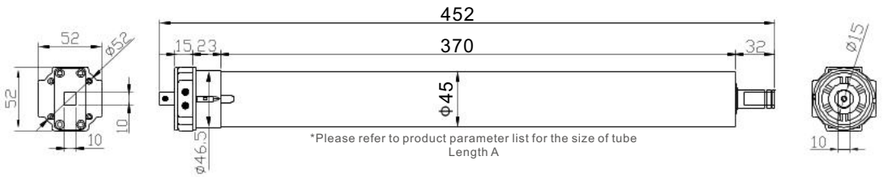
This motor is basically the same as the other motors but is especially suitable for narrow shutters,compared with A-OK regular motors length 57.28cm, this radio built-in short motor only has a length of 37.88cm.

INGENUITY TAKE THE WORLD!

Dominate & Unique

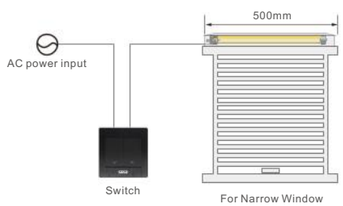
AM45

Short Mechanical Limit AC Motor



- Mechanical limit switch & max. limit circle is 29 circles
- Quite design, lower to 45dB
- Reliable and easy adjustment of the limit switches.
- Double breaking design with patent.
- Suitable for the narrow width roller shutter

Application



230V AC 50/60Hz

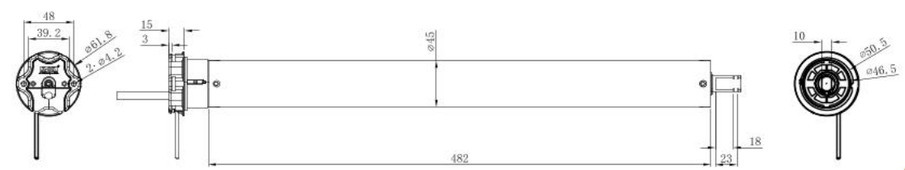
Model No.	Rated Torque	Rated RPM	Tube Length A	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM45-10/17-S	10N.m	17rpm	370mm	230V	135W	0.6A	IP44	Switch
AM45-15/17-S	15N.m	17rpm	370mm	230V	145W	0.65A	IP44	Switch

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Tube Length A	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM45-10/17-S	10N.m	17rpm	370mm	120V	130W	1.1A	IP44	Switch
AM45-15/17-S	15N.m	17rpm	370mm	120V	150W	1.5A	IP44	Switch

AM45

AC Powered Ultra Quiet Electronic Limit Obstacle Detection DC motor



Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Silent & smooth movement

- With patents design features to reduce motor operating sound.
- Come with the soft start-stop to protect the roller shutter from damage.

Flexible limit setting mode

- Setting limits in automatically mode, in semi- automatically mode or setting limits in manual mode.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind Sensor, provide great sun protection in summer and avoid heat loss in the winter.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Anti-freezing Protection

- Stops the motor if frost or ice freezes the shutter in place.

Adjustable speed

- Motor with high speed and low speed optional, adjusting the speed by remote.

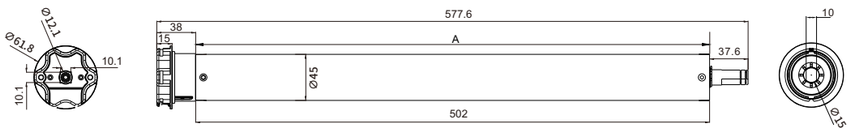
Waterproof Plug-in cable

- Patented motor head design with waterproof Plug-in cable makes installation quick and easy.

Model No.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-10/17-R-HV	10N.m	17rpm	482mm	868MHz	120V / 230V	70W	0.65 / 0.3A	IP65	RF
AM45-10/17-R-HV-Z	10N.m	17rpm	482mm	868MHz	120V / 230V	70W	0.65 / 0.3A	IP65	RF+ZigBee

AM45

Wired Obstacle Detection AC Motor



ZIP SCREEN | ROLLER BLIND | ROLLER SHUTTER

Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Flexible limit setting mode

- Setting limits in automatically mode, or setting limits in manual mode.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Anti-freezing Protection

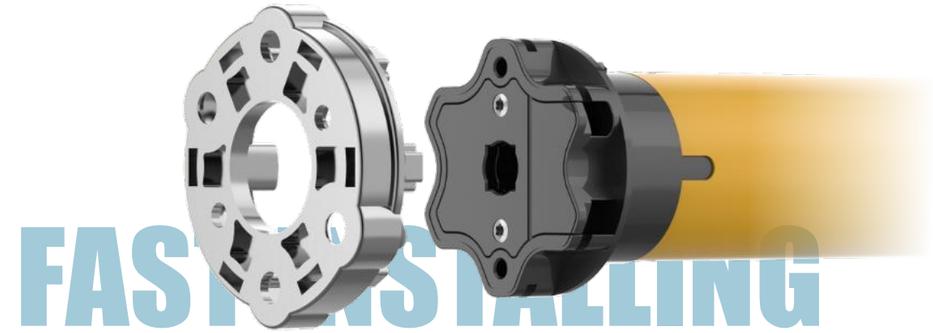
- Stops the motor if frost or ice freezes the shutter in place.

Automatically checking/changing direction

- The motor direction can be reversed automatically, if the motor moving direction was wrong.

Switch control

Limit setting switch



230V AC 50/60Hz

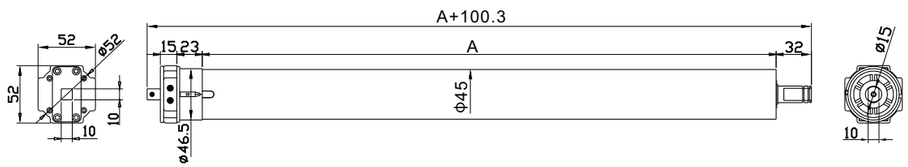
Model No.	Rated Torque	Rated RPM	Frequency	Tube Length A	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM45-6/17-R	6N.m	17rpm	/	444mm	230V	115W	0.5A	IP65	Switch
AM45-10/17-R	10N.m	17rpm	/	444mm	230V	135W	0.6A	IP65	Switch
AM45-15/17-R	15N.m	17rpm	/	444mm	230V	145W	0.65A	IP65	Switch
AM45-20/17-R	20N.m	17rpm	/	464mm	230V	195W	0.85A	IP65	Switch
AM45-30/17-R	30N.m	17rpm	/	482mm	230V	200W	0.9A	IP65	Switch

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Frequency	Tube Length A	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM45-6/17-R	6N.m	17rpm	/	444mm	120V	130W	1.1A	IP65	Switch
AM45-10/17-R	10N.m	17rpm	/	444mm	120V	135W	1.2A	IP65	Switch
AM45-15/17-R	15N.m	17rpm	/	444mm	120V	135W	1.2A	IP65	Switch
AM45-20/17-R	20N.m	17rpm	/	464mm	120V	170W	1.4A	IP65	Switch
AM45-30/17-R	30N.m	17rpm	/	482mm	120V	200W	1.7A	IP65	Switch

AM45

Radio Obstacle Detection AC Motor



ROLLER SHUTTER

Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Anti-freezing Protection

- Stops the motor if frost or ice freezes the shutter in place.

Flexible limit setting mode

- Setting limits in automatically Mode, in semi-automatically mode or setting limits in manual mode.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Automatically checking/changing direction

- The motor direction can be reversed automatically, if the motor moving direction was wrong.

RF remote control

RS485 control
Dry contact control

Timer control

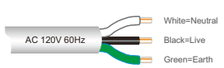
Wind sensor

Sunlight sensor

230V AC 50/60Hz

Model No.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-6/17-R-E	6N.m	17rpm	376mm	868MHz	230V	115W	0.5A	IP44	RF
AM45-10/17-R-E	10N.m	17rpm	444mm	868MHz	230V	135W	0.6A	IP44	RF
AM45-15/17-R-E	15N.m	17rpm	444mm	868MHz	230V	135W	0.6A	IP44	RF
AM45-20/30-R-E	20N.m	30rpm	494mm	868MHz	230V	250W	1.1A	IP44	RF
AM45-20/17-R-E	20N.m	17rpm	464mm	868MHz	230V	170W	0.7A	IP44	RF
AM45-30/17-R-E	30N.m	17rpm	482mm	868MHz	230V	200W	0.9A	IP44	RF

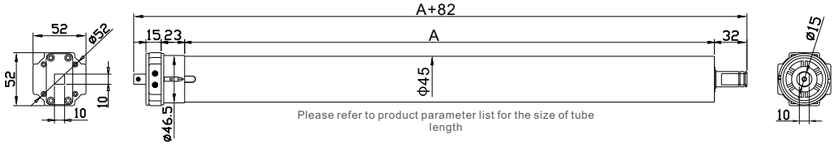
120V AC 60Hz



Model No.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-6/17-R-E	6N.m	17rpm	376mm	433MHz	120V	130W	1.1A	IP44	RF
AM45-10/17-R-E	10N.m	17rpm	444mm	433MHz	120V	135W	1.2A	IP44	RF
AM45-15/17-R-E	15N.m	17rpm	444mm	433MHz	120V	135W	1.2A	IP44	RF
AM45-20/30-R-E	20N.m	30rpm	494mm	433MHz	120V	300W	2.5A	IP44	RF
AM45-20/17-R-E	20N.m	17rpm	464mm	433MHz	120V	170W	1.4A	IP44	RF
AM45-30/17-R-E	30N.m	17rpm	482mm	433MHz	120V	200W	1.7A	IP44	RF

AM45

Mechanical Limit AC Motor



- Mechanical limit switch & max. limit circle is 45 circles
- Quite design, lower to 45dB
- Reliable and easy adjustment of the limit switches.
- Double breaking design with patent.

230V AC 50/60Hz

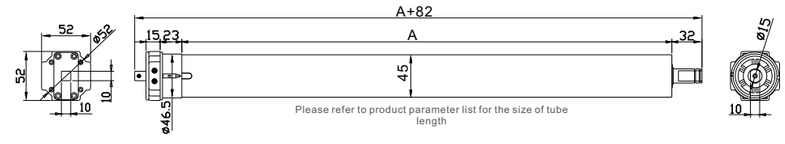
Model NO.	Rated Torque	Rated RPM	Tube Length A	Rated voltage	Rated Power	Rated Current	IP Class	Control
AM45-15/17	15N.m	17rpm	440mm	230V	145W	0.65A	IP44	Switch
AM45-15/30	15N.m	30rpm	502mm	230V	200W	0.9A	IP44	Switch
AM45-20/30	20N.m	30rpm	520mm	230V	250W	1.1A	IP44	Switch
AM45-20/17	20N.m	17rpm	482mm	230V	195W	0.85A	IP44	Switch
AM45-30/17	30N.m	17rpm	502mm	230V	200W	0.9A	IP44	Switch
AM45-40/12	40N.m	12rpm	502mm	230V	200W	0.9A	IP44	Switch
AM45-50/12	50N.m	12rpm	520mm	230V	250W	1.2A	IP44	Switch

120V AC 60Hz

Model NO.	Rated Torque	Rated RPM	Tube Length A	Rated voltage	Rated Power	Rated Current	IP Class	Control
AM45-15/17	15N.m	17rpm	440mm	120V	135W	1.2A	IP44	Switch
AM45-15/30	15N.m	30rpm	502mm	120V	200W	1.7A	IP44	Switch
AM45-20/30	20N.m	30rpm	520mm	120V	300W	2.5A	IP44	Switch
AM45-20/17	20N.m	17rpm	482mm	120V	170W	1.4A	IP44	Switch
AM45-30/17	30N.m	17rpm	502mm	120V	200W	1.7A	IP44	Switch
AM45-40/12	40N.m	12rpm	502mm	120V	200W	1.7A	IP44	Switch
AM45-50/12	50N.m	12rpm	520mm	120V	300W	2.5A	IP44	Switch

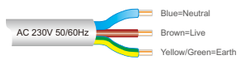
AM45

Mechanical Limit Radio AC Motor

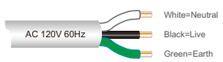


- Mechanical limit switch with in-built receiver, reliable and easy adjustment of the limit switches.
- With patents design features of braking technology makes the movement smooth and silent.
- Maximum limit circle is 55 circles.
- High impact resistant relay, industrial-grade CPU, Working temperature -40℃~ +85℃.
- Optional Connections, wired switch, controls via radio.
- Built-in superheterodyne receiving module, long control distance, strong anti-interference ability, receiving sensitivity -110dBm.

230V AC 50/60Hz



120V AC 60Hz

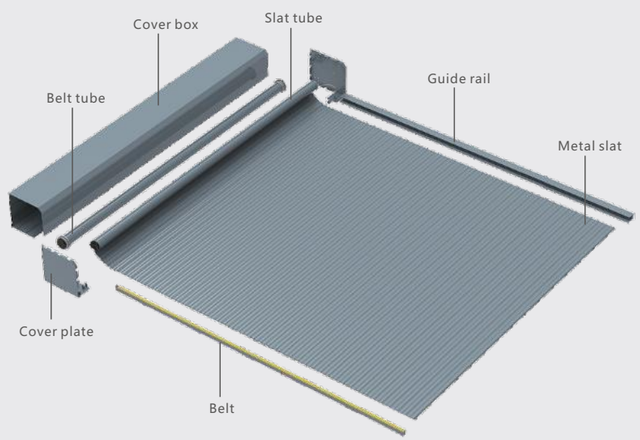


Model NO.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-10/17-E	10N.m	17rpm	540mm	433MHz	230V	135W	0.6A	IP44	RF
AM45-15/17-E	15N.m	17rpm	540mm	433MHz	230V	145W	0.65A	IP44	RF
AM45-20/17-E	20N.m	17rpm	585mm	433MHz	230V	195W	0.85A	IP44	RF
AM45-30/17-E	30N.m	17rpm	600mm	433MHz	230V	200W	0.9A	IP44	RF
AM45-40/12-E	40N.m	12rpm	620mm	433MHz	230V	250W	1.089A	IP44	RF
AM45-50/12-E	50N.m	12rpm	620mm	433MHz	230V	250W	1.12A	IP44	RF
AM45-10/17-E	10N.m	17rpm	540mm	433MHz	120V	135W	1.15A	IP44	RF
AM45-15/17-E	15N.m	17rpm	540mm	433MHz	120V	135W	1.15A	IP44	RF
AM45-20/17-E	20N.m	17rpm	585mm	433MHz	120V	170W	1.4A	IP44	RF
AM45-30/17-E	30N.m	17rpm	600mm	433MHz	120V	200W	1.7A	IP44	RF
AM45-40/12-E	40N.m	12rpm	620mm	433MHz	120V	300W	2.50A	IP44	RF
AM45-50/12-E	50N.m	12rpm	620mm	433MHz	120V	300W	2.50A	IP44	RF

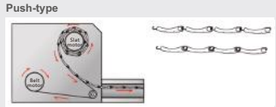
MOTORIZED FTS SKYLIGHTS

Suitable for high-grade large-scale building shading places such as: laboratories, flower gardens, factories, stadiums, shopping malls and swimming pools indoor and outdoor roof shading and other places. Motorized FTS skylights are mainly used for light roof shading, with good shading effect, creating a comfortable light environment for the interior. The system can prevent the greenhouse effect in the glass roof, and can adjust the amount of natural lighting. Two motors and one electronic control box compose of motorized FTS skylights system to keep the surface of the slats taut, can be connected with automatic control devices, with switch control or remote control, and integrated with building automation system.

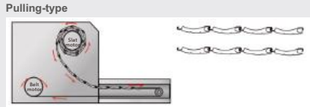
Shutter shades system



Push-type



Pulling-type



MOTORIZED FTS SKYLIGHTS BENEFITS

Ease of Use
A motorized FTS Skylights requires only the push of a button, controlling your louver via remote, smart phone or voice

Sensor Control
Motorized FTS Skylights will adjust automatically to weather conditions by Sun-light and wind sensors

Sun-light Adjustment
A motorized FTS skylights can turn the angle of the blade can be adjusted according to the angle of sun expose to achieve the best effect of shading and dimming

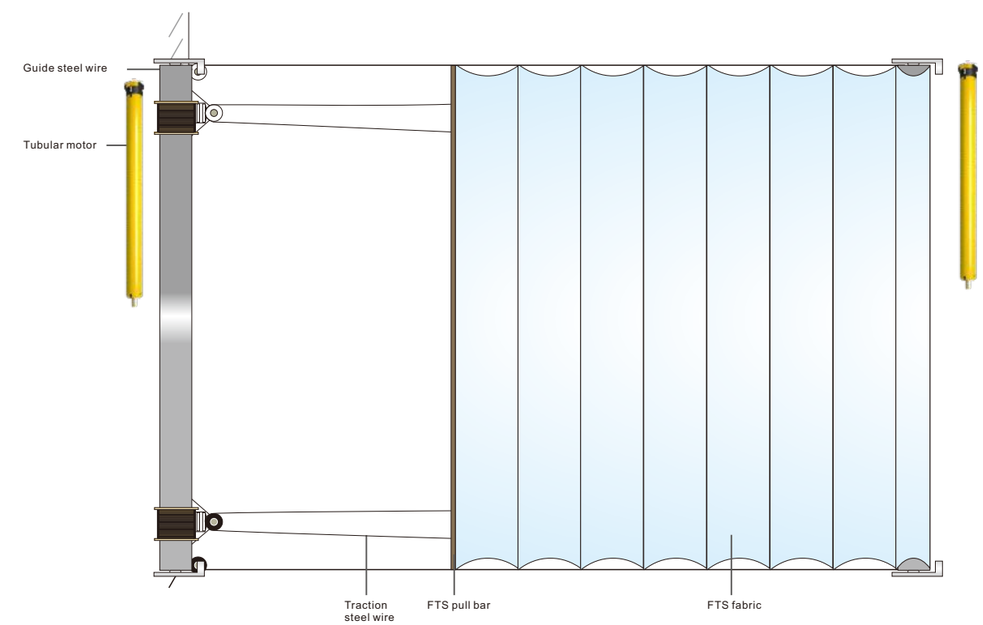
Energy Savings
A motorized FTS Skylights provide great sun protection in summer

RECOMMENDED SOLUTION

01 FABRIC SHADES	Wired FTS Skylights AC Motor (Master) AM45-55/17-FTS	Wired FTS Skylights AC Motor (Sub) AM45-55/17-FTS	Central controller (AC291-01-FTS)	Remote	Adaptor	Crown	Bracket	Idle	Radio
	x1	x1	x1	x1	x1	x1	x1	x1	
02 SHUTTER SHADES	Wired FTS Skylights AC Motor (Master) AM45-55/17-FTS	Wired FTS Skylights AC Motor (Sub) AM45-55/17-FTS	Central controller (AC291-02-FTS)	Remote	Adaptor	Crown	Bracket	Idle	Radio
	x1	x1	x1	x1	x1	x1	x1	x1	

STRUCTURE

Fabric shades system

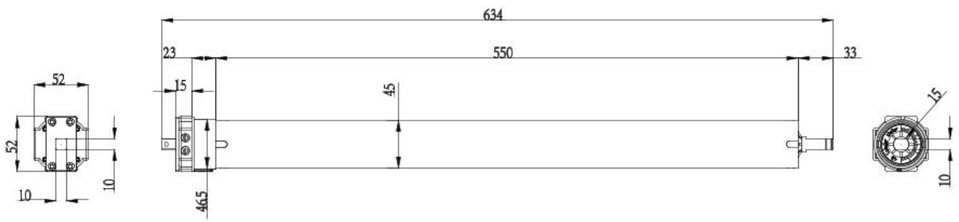


*Select suitable motors for your FTS skylight, please refer to the above chart according to your needs.
For more information, please check detailed technical parameters on motor pages.

*For accessories details please see page 149-156

AM45

Mechanical Limit FTS Skylights AC Motor



SKYLIGHT CURTAIN

Mechanical limit switch & max. limit circle is 45 circles

Quite design, lower to 45dB

Reliable and easy adjustment of the limit switches.

Double breaking design with patent.

Low requirements on fabrics, ordinary thickened polyester fabrics are sufficient, and can run without tension.

High density metal output shaft&high density zinc alloy motor head&high-density pure copper limit switch.

RF
remote control

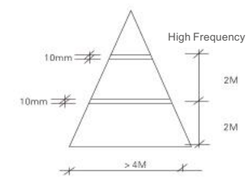
230V AC 50/60Hz

AC291
Controller box

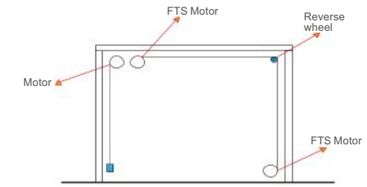
Model NO.	Rated Torque	Rated RPM	Tube Length A	Rated voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-55/17-FTS	55N.m	17rpm	540mm	230V	250W	1.13A	IP65	RF

Model NO.	Input voltage	Control mode	Frequency	Receiver sensitivity	Load power	Working Time	Working Temperature
AC291-01	AC230	RF remote	433MHz	≥-110dBm	≤500W	5min	-20℃~+80℃
AC291-02	AC230	RF remote	433MHz	≥-110dBm	≤500W	5min	-20℃~+80℃

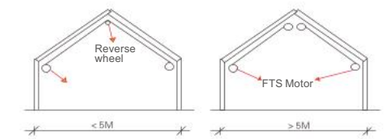
Application:



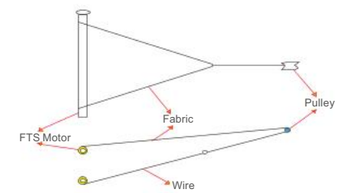
Application Form 1



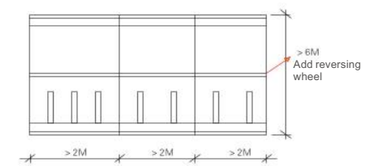
Application Form 2



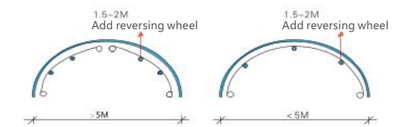
Application Form 3



Application Form 4

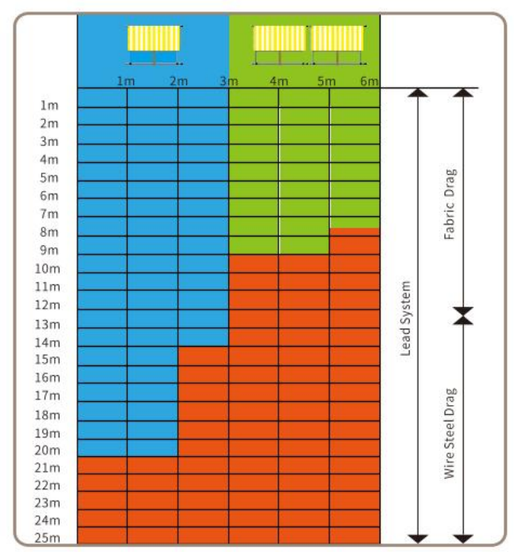


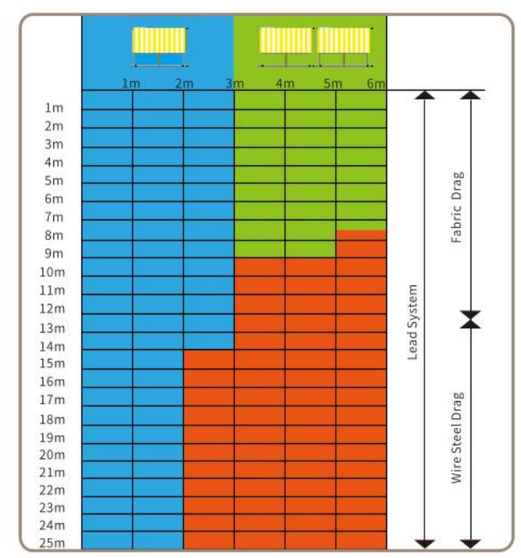
Application Form 5



Application Form 6

System Parameter:





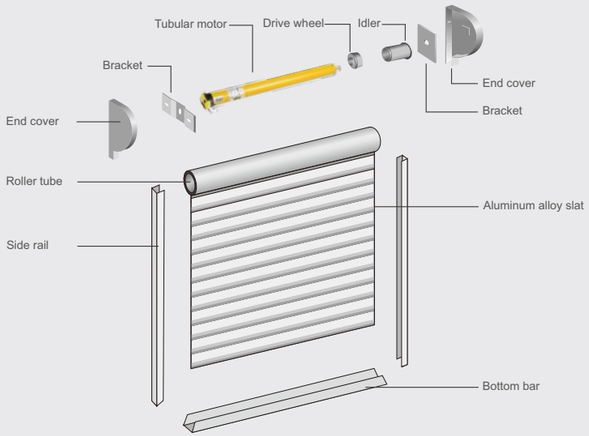
Remarks:

When selecting a motor please consider the strength of the structure. For the outdoor applications, proper waterproofing measures must be taken.
-Product span should not exceed 20m
-A guide system (steel wire system) must be used.

MOTORIZED GARAGE DOOR

Electric garage doors are widely used in all kinds of places, especially commercial storefronts, garages, shopping malls and other public places and residential areas, especially suitable for the spacious doorway, the ground door installation of the environment is limited. Say goodbye to the trouble of forgetting keys, just simply operate the garage remote control or cell phone application, you can freely control the opening and closing of the garage door. In terms of safety and protection, automated garage doors play a vital role in building a strong security barrier for the family through multiple mechanisms such as password protection and remote control, guarding the safety of your property in all aspects. Its advantages are remarkable, including convenient operation, beautiful appearance, strong durability, good thermal insulation and high security and reliability.

Structure



MOTORIZED ROLLER SHUTTER BENEFITS

Safety & Security
Protects your privacy when the system is turned off

Energy Savings
Good heat insulation function, can effectively block the solar radiation heat invasion, reduce the indoor temperature, thereby significantly reducing power consumption

Smart Home
Connects to multiple platforms for interconnectivity

Sun-light Adjustment
Introducing light allows you to enjoy nature at any time of day, making the space brighter and more comfortable

RECOMMENDED SOLUTION

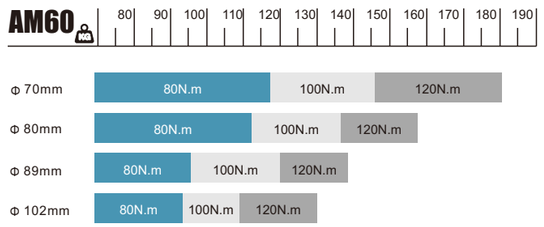
SELECTION TABLES

01 — Wired

Crank Mechanical Limit AC Motor	Garage Door Controller	Adaptor	Crown	Bracket	Idle
x1	x1	x1	x1	x1	x1

02 — Radio

Crank Mechanical Limit AC Motor	Garage Door Controller	Adaptor	Crown	Bracket	Idle
x1	x1	x1	x1	x1	x1



*Select suitable motors for your garage door, please refer to the above chart according to your needs. For more information, please check detailed technical parameters on motor pages.

*For accessories details please see page 149-156

AM60

Crank Operated Mechanical Limit AC Motor

ROLLER SHUTTER

ROLLER DOOR

AWNING

Reliable and easy adjustment of the limit switches.

With patents design features to reduce motor operating sound.

Mechanical limit switch & max. limit circle is 20 circles

The hand crank part uses a high-precision worm gear structure, with a reduction ratio of 45:1, making manual lifting more portable

Double breaking design with patent.

Switch control

230V AC 50/60Hz

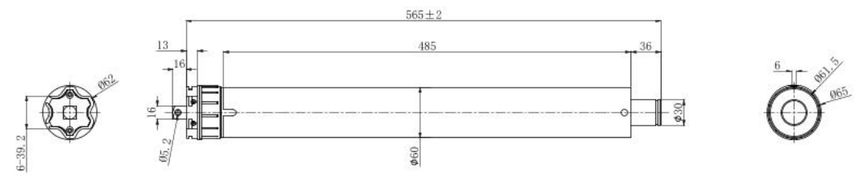
Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM60E-60/12	60N.m	12rpm	230V	368W	1.6A	IP44	Switch+Crank
AM60E-80/12	80N.m	12rpm	230V	400W	1.7A	IP44	Switch+Crank
AM60E-100/12	100N.m	12rpm	230V	420W	1.85A	IP44	Switch+Crank
AM60E-120/9	120N.m	9rpm	230V	396W	1.75A	IP44	Switch+Crank
AM60E-140/9	140N.m	9rpm	230V	420W	1.85A	IP44	Switch+Crank

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM60E-60/12	60N.m	12rpm	120V	384W	3.2A	IP44	Switch+Crank
AM60E-80/12	80N.m	12rpm	120V	408W	3.4A	IP44	Switch+Crank
AM60E-100/12	100N.m	12rpm	120V	444W	3.7A	IP44	Switch+Crank
AM60E-120/9	120N.m	9rpm	120V	420W	3.5A	IP44	Switch+Crank
AM60E-140/9	140N.m	9rpm	120V	444W	3.7A	IP44	Switch+Crank

AM60

Mechanical Limit AC Motor



ROLLER SHUTTER

ROLLER DOOR

AWNING

Mechanical limit switch & max. limit circle is ?? circles

Quite design, lower to 45dB

Reliable and easy adjustment of the limit switches.

Double breaking design with patent.

230V AC 50/60Hz

Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM60-60/12	60N.m	12rpm	230V	368W	1.6A	IP44	Switch
AM60-80/12	80N.m	12rpm	230V	400W	1.7A	IP44	Switch
AM60-100/12	100N.m	12rpm	230V	420W	1.85A	IP44	Switch
AM60-120/9	120N.m	9rpm	230V	396W	1.75A	IP44	Switch
AM60-140/9	140N.m	9rpm	230V	420W	1.85A	IP44	Switch

120V AC 60Hz

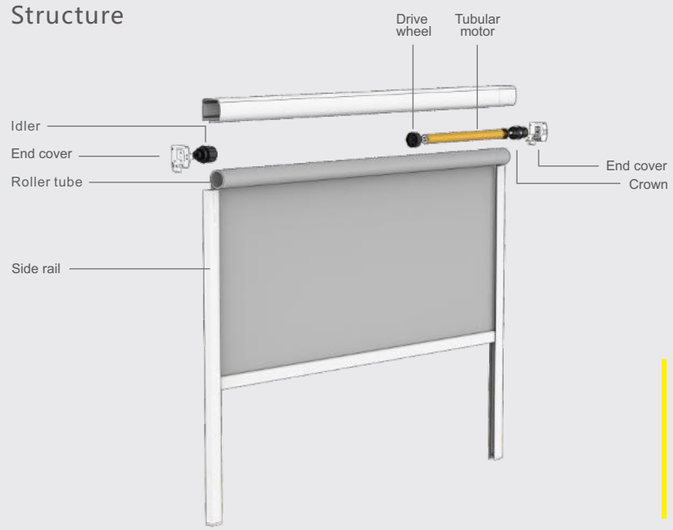
Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM60-60/12	60N.m	12rpm	120V	384W	3.2A	IP44	Switch
AM60-80/12	80N.m	12rpm	120V	408W	3.4A	IP44	Switch
AM60-100/12	100N.m	12rpm	120V	444W	3.7A	IP44	Switch
AM60-120/9	120N.m	9rpm	120V	420W	3.5A	IP44	Switch
AM60-140/9	140N.m	9rpm	120V	444W	3.7A	IP44	Switch

MOTORIZED ZIP SCREEN

The zip screen may be a typical screen system, with its urbane technical design, it creates a modish touch to administrative buildings and family homes. It's important to safeguard the interiors of your residential apartment or office space from pollution and prying neighbors. Zip screen outdoor sunshade can reduce undesired heat within the home by choking up to 90 percent of warmth and UV received from direct sun onto your casement, also offers shielding from rain and gusty winds.

AM45 Zip screen motor for outdoor Zip screens and roller blinds. With the function of reverse running in case of obstruction, guide rails are protected from being damaged by the wind when running upwards or downwards, and the fabric remains taut.

Structure



MOTORIZED ZIP SCREEN BENEFITS

Ease of Use
A motorized zip screen blinds requires only the push of a button, controlling your zip screen blinds via remote, smart phone or voice

Sensor Control
Motorized zip screen blinds will adjust automatically to weather conditions by Sun-light and wind sensors

Provides Outdoor Comfort
A motorized zip Screen blinds can make your outdoor entertaining area feel like another room in your home. With a fully enclosed outdoor area Providing you outdoor comfort

Energy Savings
A motorized zip screen blinds provide great sun protection in summer and heat loss in the winter. Entertain all year round with protection from the elements

RECOMMENDED SOLUTION

SELECTION TABLES

01

Wired Zip Screen AC Motor	Switch	Adaptor	Crown	Bracket	Idle
x1	x1	x1	x1	x1	x1

Wired

02

Radio Zip Screen AC Motor	Remote	Adaptor	Crown	Bracket	Idle
x1	x1	x1	x1	x1	x1

Radio
zigbee
WiFi

03

Radio Zip Screen Li-ion Battery Motor	Solar Panel	Remote	Charger	Adaptor	Crown	Bracket	Idle
x1	x1 (Optional)	x1	x1 (Optional)	x1	x1	x1	x1

Radio
zigbee
Bluetooth
ENERGY CONSERVATION

04

Radio Zero Gap Zip Screen AC Motor	Remote	Adaptor	Crown	Bracket	Idle
x1	x1	x1	x1	x1	x1

Radio
zigbee
WiFi

05

Radio Zip Screen DC Motor	Remote	Power supply adaptor	Adaptor	Crown	Bracket	Idle
x1	x1	x1	x1	x1	x1	x1

Radio
zigbee
Bluetooth

AM35

	5	10	15	20	25	30	35
Φ40mm	-	6N.m	10N.m				
Φ50mm	-	6N.m	10N.m				
Φ60mm	-	6N.m	10N.m				

AM45

	10	20	30	40	50	60	70
Φ 50mm	-	10N.m	15N.m	20N.m	30N.m		
Φ 60mm	-	10N.m	15N.m	20N.m	30N.m		
Φ 70mm	-	10N.m	15N.m	20N.m	30N.m		
Φ 78mm	-	10N.m	15N.m	20N.m	30N.m		

*Select suitable motors for your Zip screen, please refer to the above chart according to your needs.
For more information, please check detailed technical parameters on motor pages.

*For accessories details please see page 149-156

GUIDELINES FOR CHOOSING A MOTOR

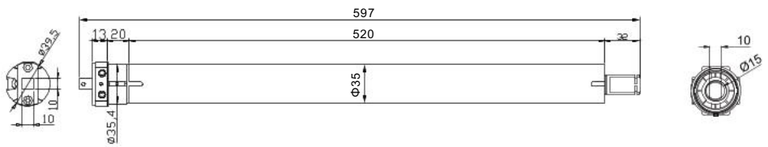
PRODUCT MATRIX

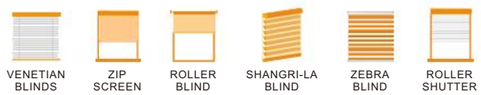
Selecting suitable motors for your shades, please refer to the below product matrix according to your needs

Screens + Zip Screens	Page	Model name	Application	Power suply				Motor Head					Settings						Functions											Control							
			ZipScreen	AC Powered	DC Powered	Embeded battery	Solar possibility	Round Head	Star Head	Square Head	Motor Head D	Plug&Play cable	Manual end limit setting - electronic	Semi-automatic end limit setting - electronic	Automatic end limit setting - electronic	Mechanical end limits setting	Electronic torque control (self addaption)	Automatic rotation change	Obstacle detection to DOWN & UP direction	Obstacle detectios sensitivity adjustment	Obstacle detection ON/Off function	Anti freezing protection	Periodic calibration of the end positions (100 cycles)	Fast speed 30rpm	Silent	Favourite position	Soft Start / Soft Stop	Wind detection during movement by fabric vibration		Zigbee	WiFi	Remote 433MHz	Remote 868MHz	Wall switch Control	Rs485	Wind & Sun Sensor	Wind & Sun & Rain Sensor
AM35 ultra-quiet zero gap tubular motor		AM35-D-ZG	●	●				●					●												●	●	●					●		●	●	●	●
AM35 zero gap tubular motor		AM35-MEL-ZG	●		●			●					●												●	●	●					●		●	●	●	●
AM35 Electronic Limit Radio AC Motor		AM35-MEL	●	●						●		●	●													●				●	●	●			●	●	●
AM35 Mechanical Limit Radio AC Motor		AM35-E	●	●				●								●																●				●	●
AM35 Mechanical Limit AC Motor		AM35	●	●				●								●																		●			
AM45 Built-in Li-ion Battery Obstacle Detection DC Motor		AM45-R-ES-E	●		●	●	●		●				●	●	●			●	●	●	●	●	●		●	●	●			●		●	●			●	●
AM45 Wired Zip Screen Mechanical Limit DC Motor		AM45-XP-D	●		●					●						●																		●			
AM45 Radio Zip Screen Obstacle Detection DC motor		AM45-MR-D-XP	●		●					●			●	●	●	●			●	●	●	●			●	●	●	●				●				●	●
AM45 switch power supply movable obstacle detection ZipScreen motor (reflected in the Chinese color page)		AM45-XP-D	●	●						●			●		●				●		●		●		●	●	●			●		●		●	●	●	●
AM45 Wired Zip Screen Obstacle Detection AC Motor		AM45-ZS	●	●					●			●			●		●	●	●	●	●	●	●	●				●						●			
AM45 Radio Zip Screen Obstacle Detection AC Motor		AM45-ZS-E	●	●					●			●	●	●	●			●	●	●	●	●	●	●		●		●		●	●		●		●	●	●
AM45 Zero-gap ZipScreen Obstacle Detection AC Motor		AM45-MEL-ZG	●	●				●					●		●				●	●	●		●			●	●					●				●	●
AM45 movable obstacle detection ZipScreen tubular motor (reflected in the Chinese color page)		AM45-MR-E-D-XP	●	●						●			●						●		●		●			●	●					●		●	●	●	●
AM45 Mechanical Limit AC Motor		AM45	●	●					●	●	●					●																		●			
AM45 Mechanical Limit Radio AC Motor		AM45-E	●	●					●	●	●					●										●				●	●	●				●	●
AM45 Electronic Limit Radio AC Motor		AM45-MEL	●	●					●	●	●	●	●													●				●	●	●			●	●	●
AM45 Short Mechanical Limit AC Motor		AM45-S	●	●					●	●	●					●																		●			
AM60 Electronic Limit Radio AC Motor		AM60-MEL	●	●					●				●													●				●	●	●			●	●	●
AM60 AC Powered Ultra Quiet Electronic Limit Obstacle Detection DC motor		AM60-R-HV	●	●					●				●	●	●				●	●	●	●	●		●	●	●			●	●		●	●	●	●	●
AM60 Mechanical Limit AC Motor		AM60	●	●				●								●																					
AM60 Mechanical Limit Radio AC Motor		AM60-E	●	●				●								●																●			●	●	●
AM60 Mechanical Limit Radio Double Shafts AC Motor		AM60-II		●				●								●																					

AM35

Mechanical Limit AC Motor





Mechanical limit switch reliable and easy adjustment of the limit switches.

High impact resistant relay, industrial-grade CPU

Built-in superheterodyne receiving module, long control distance, strong anti-interference ability, receiving sensitivity -110dBm.

There are 32 and 45 maximum limit turns available for selection

Optional Connections, wired switch, controls via radio

230V AC 50/60Hz

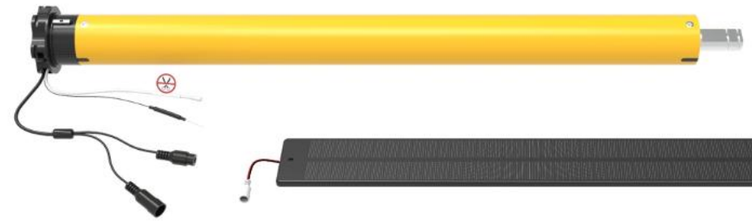
Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM35-6/28	6N.m	28rpm	/	230V	115W	0.5A	IP44	Switch
AM35-10/17	10N.m	17rpm	/	230V	135W	0.6A	IP44	Switch
AM35-6/28-E	6N.m	28rpm	433MHz	230V	115W	0.5A	IP44	RF
AM35-10/17-E	10N.m	17rpm	433MHz	230V	135W	0.6A	IP44	RF

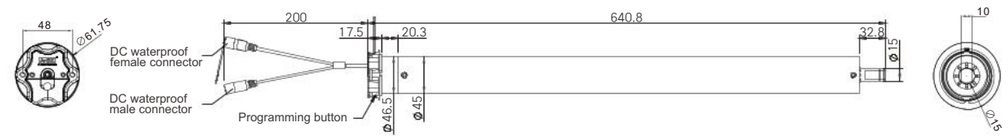
120V AC 60Hz

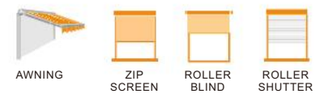
Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM35-6/28	6N.m	28rpm	/	120V	130W	1.1A	IP44	Switch
AM35-10/17	10N.m	17rpm	/	120V	130W	1.1A	IP44	Switch
AM35-6/28-E	6N.m	28rpm	433MHz	120V	130W	1.1A	IP44	RF
AM35-10/17-E	10N.m	17rpm	433MHz	120V	130W	1.1A	IP44	RF

AM45

Built-in Li-ion Battery Obstacle Detection DC Motor







Obstacle detection
- Stops the ZIP Screen from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Recalibrate End-stop positions
- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Flexible limit setting mode
- Setting limits in automatically mode, in semi- automatically mode or setting limits in manual mode.

Adjustable speed
- Motor with high speed and low speed optional, adjusting the speed by remote.

Anti-freezing Protection
- Stops the motor if frost or ice freezes the ZIP Screen in place.

Built-in rechargeable battery
- Motor built-in rechargeable 5200mAh lithium-ion battery, which support 6 months operation if runs 1 cycle per day. (1 cycle= 1 UP & 1 Down)

Communication & Control Options
- With duel Zigbee /Bluetooth smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

Compatible with sun & wind sensor
- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

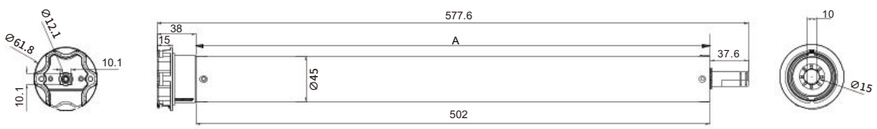
Automatically checking/changing direction
- The motor direction can be reversed automatically, if the motor moving direction was wrong.

Solar Powered
- Solar power generation, sustainable energy source.

Model NO.	Rated Torque	Rated RPM	Frequency	Rated voltage	Rated power	Rated current	IP class	Built-In Chip
AM45-10/12-ZS-ES-E	10N.m	12rpm	866MHz	DC12V	45W	3.5A	IP65	RF
AM45-20/12-ZS-ES-E	20N.m	12rpm	868MHz	DC12V	60W	5A	IP65	RF
AM45-10/12-ZS-ES-E-Z	10N.m	12rpm	866MHz	DC12V	45W	3.5A	IP65	RF+Zigbee
AM45-20/12-ZS-ES-E-Z	20N.m	12rpm	868MHz	DC12V	60W	5A	IP65	RF+Zigbee

AM45

Wired Zip Screen Obstacle Detection AC Motor



ZIP SCREEN

Obstacle detection

- Stops the ZIP Screen from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Flexible limit setting mode

- Setting limits in automatically Mode, or setting limits in manual mode.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Switch control

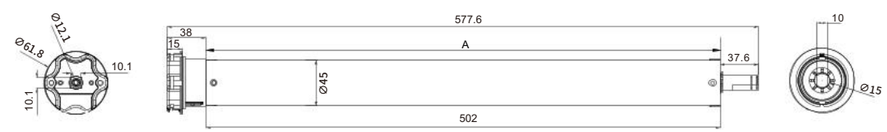
Limit setting switch

230V AC 50/60Hz

Model	Rated Torque	Speed	Tube length A	Rated Voltage	Rated power	Rated Current	IP Class	Control
AM45-15/17-ZS	15N.m	17rpm	502mm	230V	145W	0.65A	IP44	Switch
AM45-20/17-ZS	20N.m	17rpm	502mm	230V	195W	0.85A	IP44	Switch
AM45-30/17-ZS	30N.m	17rpm	502mm	230V	200W	0.9A	IP44	Switch

AM45

Radio Zip Screen Obstacle Detection AC Motor



ZIP SCREEN

Obstacle detection

- Stops the blinds from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Communication & Control Options

- Available for a variety of control systems, motor built-in smart chip, controlling blinds with a remote, with APP or with voice assistant.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

RF remote control

App control

Voice control

Timer control

Wind sensor

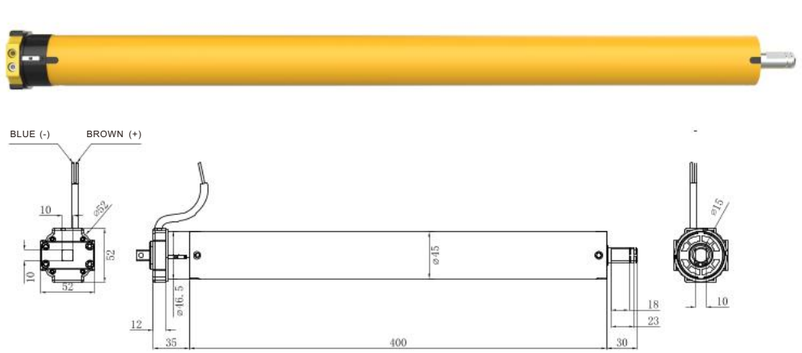
Sunlight sensor

230V AC 50/60Hz

Model	Rated Torque	Speed	Tube length A	Frequency	Rated Voltage	Rated power	Rated Current	IP Class	Built-In Chip
AM45-15/17-ZS-E	15N.m	17rpm	502mm	433MHz	230V	145W	0.65A	IP65	RF
AM45-20/17-ZS-E	20N.m	17rpm	502mm	433MHz	230V	195W	0.85A	IP65	RF
AM45-30/17-ZS-E	30N.m	17rpm	502mm	433MHz	230V	200W	0.9A	IP65	RF
AM45-15/17-ZS-E-W	15N.m	17rpm	502mm	433MHz	230V	145W	0.65A	IP65	RF+WiFi
AM45-20/17-ZS-E-W	20N.m	17rpm	502mm	433MHz	230V	195W	0.85A	IP65	RF+WiFi
AM45-30/17-ZS-E-W	30N.m	17rpm	502mm	433MHz	230V	200W	0.9A	IP65	RF+WiFi
AM45-15/17-ZS-E-Z	15N.m	17rpm	502mm	433MHz	230V	145W	0.65A	IP65	RF+Zigbee
AM45-20/17-ZS-E-Z	20N.m	17rpm	502mm	433MHz	230V	195W	0.85A	IP65	RF+Zigbee
AM45-30/17-ZS-E-Z	30N.m	17rpm	502mm	433MHz	230V	200W	0.9A	IP65	RF+Zigbee

AM45

Wired Zip Screen Mechanical Limit DC Motor



ROLLER BLIND | ZIP SCREEN | ROLLER SHUTTER

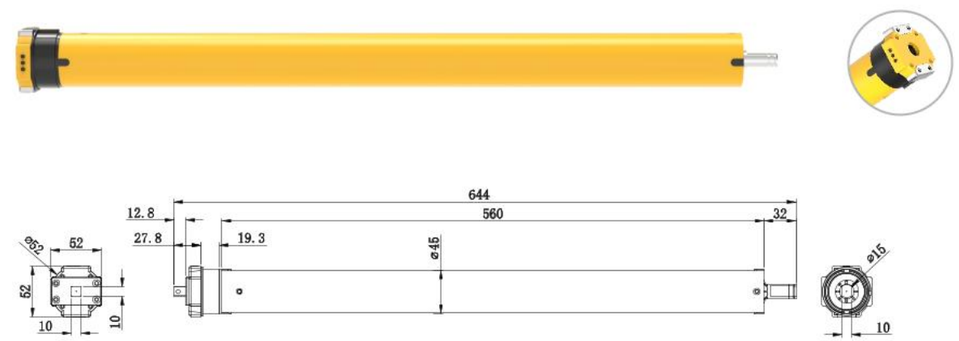
- Mechanical limit switch & max. limit circle is 55 circles
- Quite design, lower to 45dB
- Reliable and easy adjustment of the limit switches.
- Double breaking design with patent.

Switch control

Model No.	Rated Torque	Rated RPM	Tube Length A	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM45-20/14-XP-D	20N.m	14rpm	400mm	DC24V	80W	3.3A	IP65	Switch

AM45

Radio Zip Screen Obstacle Detection DC motor



ROLLER BLIND | ZIP SCREEN | ROLLER SHUTTER

Obstacle detection

- Stops the zip screen from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Silent & smooth movement

- With patents design features to reduce motor operating sound.
- Come with the soft start-stop to protect the roller shutter from damage.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.
- Setting limits by RS485, by remote or by pressing motor head buttons.

Unique motor head design

- Total 3 buttons on the motor head , 2 buttons for setting limits, 1 button for programming.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Compatible with sun & wind sensor

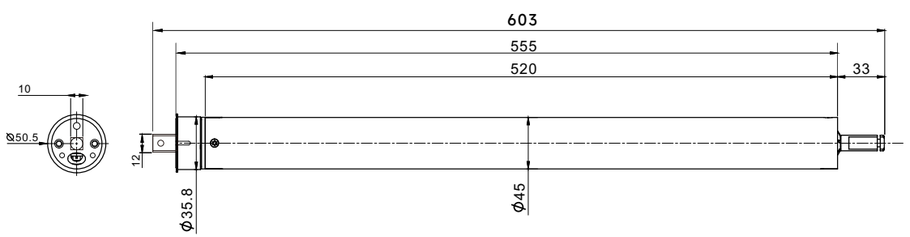
- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

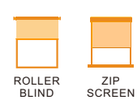
RF remote control | RS485 control Dry contact control | Sunlight sensor | Wind sensor | Timer control

Model No.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-20/14-MR-E-D-XP	20N.m	14rpm	560mm	433MHz	DC24V	80W	3.3A	IP65	RF

AM45

Zero Gap Radio Zip Screen Obstacle Detection DC motor





Obstacle detection

- Stops the ZIP Screen from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Zero light gap, <5mm

- Real black out, and no light ray can slip into the room.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.
- Setting limits by RS485, by remote or by pressing motor head buttons.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Silent & smooth movement

- With patents design features to reduce motor operating sound.
- Come with the soft start-stop to protect the ZIP Screen from damage.

RS485 control
Dry contact control

RF
remote control

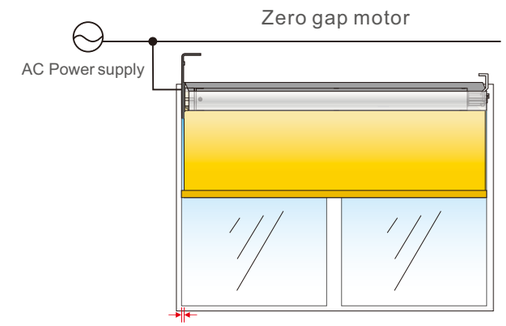
App
control

Voice
control

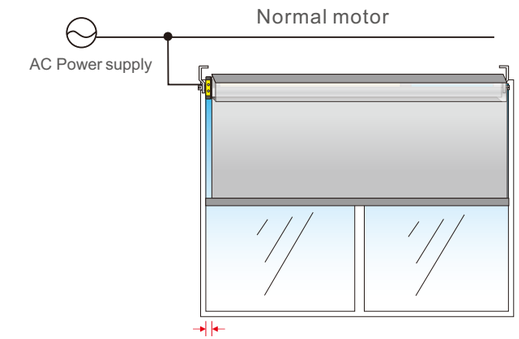
Group
Individual
control

Model No.	Rated Torque	Rated RPM	Tube Length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-20/17-ZS-E-ZG	20N.m	17rpm	555mm	433MHz	AC 220V	200W	0.9A	IP44	RF
AM45-30/17-ZS-E-ZG	30N.m	17rpm	555mm	433MHz	AC 220V	200W	0.9A	IP44	RF

Application comparison between zero gap & traditional motor

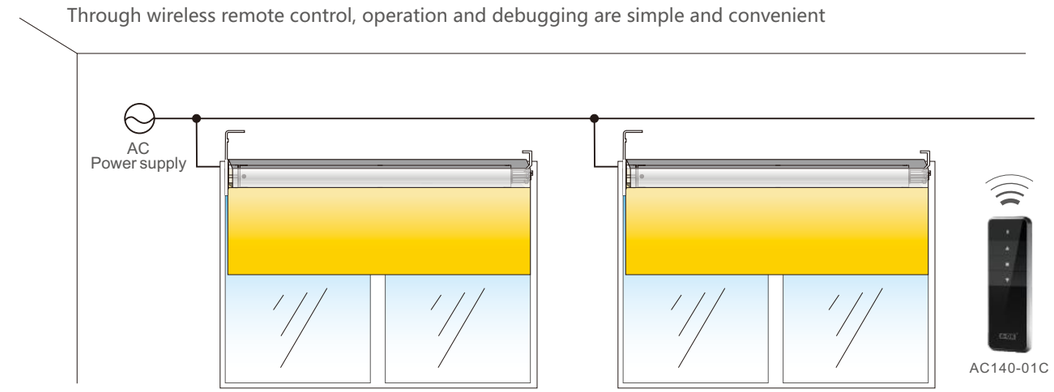


Gap between the bracket and aluminum tube of blinds <0.5cm



A large gap between the bracket and aluminum tube of blinds

Through wireless remote control, operation and debugging are simple and convenient



?

What are the advantages of Zero clearance stroke?

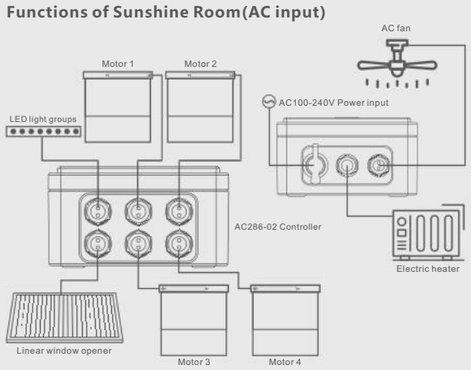
The gap between the bracket and aluminum tube of blinds can be narrowed down to almost zero. Just because the motor head can be hidden inside the tube. Highlight advantages: new solution to customer, there is no more light leaking from outside to. protect your eyeballs.

MOTORIZED PERGOLA

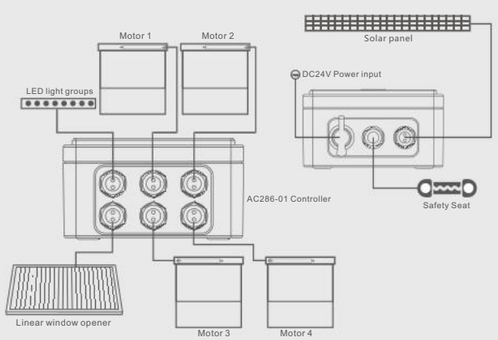
The integrated solution of outdoor sunshine room meets your primitive desire to embrace nature at any time. 4 sunshade roller binds with personalized control of the top canopy, playing with sun and enjoying the natural pleasure when open, experiencing tranquility and keeping your private space when close. 200W AC fan and 1500W electric heater, cold and heat regulation, embracing the scenery without seasonal limit, decorating your garden with electrodeless dimming LED light band. IP65 grade, protecting your private territory without fear of wind and rain.

Solar charging provides solutions for no power supply outdoor sunroom. It is not required to wire in advance and just to be installed at any times. Monocry stalline silicon solar panels have a high conversion rate and long service life. Prevention level IP65.

Functions of Sunshine Room(AC input)



Functions of Sunshine Room(DC input)



MOTORIZED PERGOLA BENEFITS

Ease of Use
A motorized Pergola requires only the push of a button, controlling your Pergola via remote, smart phone or voice

Sensor Control
Motorized Pergola will adjust automatically to weather conditions by Sun-light and wind sensors

Provides Outdoor Comfort
A motorized Pergola can make your outdoor entertaining area feel like another room in your home. With a fully enclosed outdoor area Providing you outdoor comfort

Energy Savings
A motorized Pergola provide great sun protection in summer and light wind and rain protection in winter. Entertain all year round with protection from the elements

RECOMMENDED SOLUTION

01

AC Central Controller (AC292-01)	Radio Zip Screen AC Motor	DC Linear actuator	Remote	LED Strip	Electric Heater
x1	x1	x1	x1	x1	x1

Radio, zigbee, WiFi

02

AC Central Controller (AC292-02)	DC Linear actuator	Remote	RGB LED Strip	Electric Heater
x1	x1	x1	x1	x1

Radio, zigbee, WiFi

03

DC Central Controller (AC286)	Wired Zip Screen DC Motor	DC Linear actuator	Solar Panel	Remote	LED Strip
x1	x1	x1	x2	x1	x1

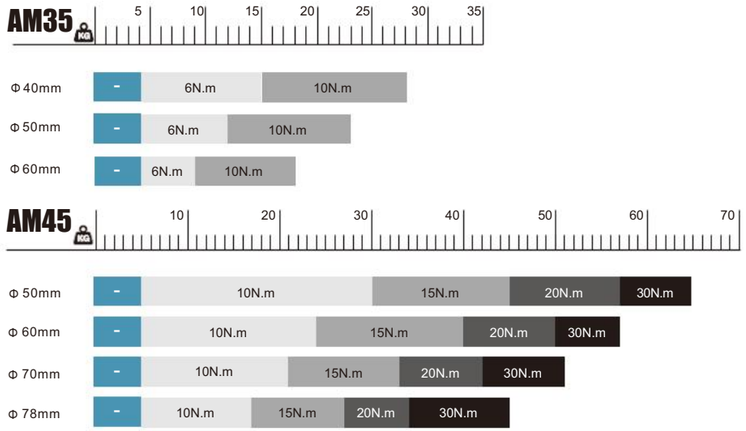
Radio, zigbee

04

DC central controller (AC226-03)	DC Linear actuator	Solar Panel	Remote	LED Strip
x1	x1	x2	x1	x1

Radio

SELECTION TABLES



*Select suitable motors for your pergola, please refer to the above chart according to your needs.
For more information, please check detailed technical parameters on motor pages.

*For accessories details please see page 149-156

GUIDELINES FOR CHOOSING A MOTOR

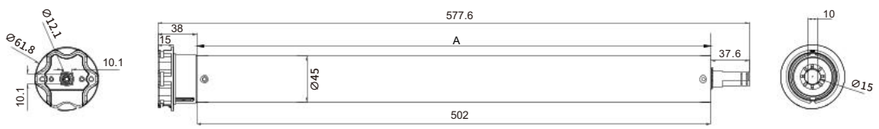
PRODUCT MATRIX

Selecting suitable motors for your shades, please refer to the below product matrix according to your needs

Pergola	Page	Model name	Application	Power suply				Lights				Motor						Functions						Control				
			Pergola Louver	AC Powered	DC Powered	Embeded battery	Solar possibilty	2 route DC x 200W for LED	White 1/2/3/4 independent LED with dimming	1 White + 1 RGB LED with dimming	1 x RGBW LED with dimming	2 x linear motors output up to 4000N each	Configuration with one linear motor	Configuration with 2 independent motors	Configuration with 2 syncronized motors	Motors with Encoder (Haal Sensor)	Motors without Encoder (Haal Sensor)	Heater control 2 x 2000W	Events -> Sun	Events -> Rain	Events -> Wind	Events -> Freeze	Events -> Snow	Zigbee	Remote 868MHz	Temperature sensor build in	Wind & Sun Sensor	Wind & Sun & Rain Sensor
Pergola BOX		AC292	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pergola BOX Solar		AC226	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

AM45

Radio Zip Screen Obstacle Detection AC Motor



ZIP SCREEN

Obstacle detection

- Stops the blinds from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Communication & Control Options

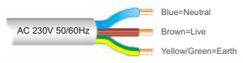
- Available for a variety of control systems, motor built-in smart chip, controlling blinds with a remote, with APP or with voice assistant.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

RF remote control | App control | Voice control | Timer control | Wind sensor | Sunlight sensor

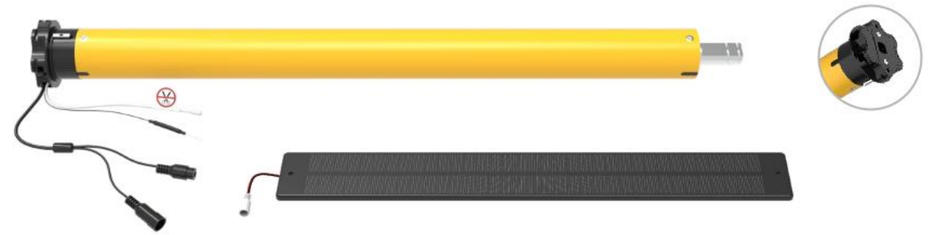
230V AC 50/60Hz

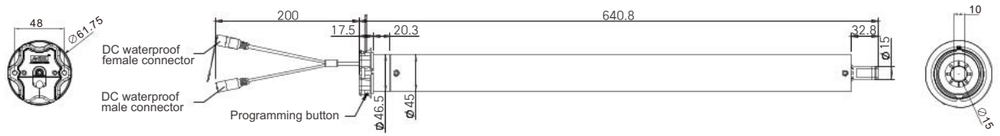


Model	Rated Torque	Speed	tube length A	Frequency	Rated Voltage	Rated power	Rated Current	IP Class	Built-In Chip
AM45-15/17-ZS-E	15N.m	17rpm	502mm	433MHz	230V	145W	0.65A	IP65	RF
AM45-20/17-ZS-E	20N.m	17rpm	502mm	433MHz	230V	195W	0.85A	IP65	RF
AM45-30/17-ZS-E	30N.m	17rpm	502mm	433MHz	230V	200W	0.9A	IP65	RF
AM45-15/17-ZS-E-W	15N.m	17rpm	502mm	433MHz	230V	145W	0.65A	IP65	RF+WiFi
AM45-20/17-ZS-E-W	20N.m	17rpm	502mm	433MHz	230V	195W	0.85A	IP65	RF+WiFi
AM45-30/17-ZS-E-W	30N.m	17rpm	502mm	433MHz	230V	200W	0.9A	IP65	RF+WiFi
AM45-15/17-ZS-E-Z	15N.m	17rpm	502mm	433MHz	230V	145W	0.65A	IP65	RF+Zigbee
AM45-20/17-ZS-E-Z	20N.m	17rpm	502mm	433MHz	230V	195W	0.85A	IP65	RF+Zigbee
AM45-30/17-ZS-E-Z	30N.m	17rpm	502mm	433MHz	230V	200W	0.9A	IP65	RF+Zigbee

AM45

Built-in Li-ion Battery Obstacle Detection DC Motor





AWNING | ZIP SCREEN | ROLLER BLIND | ROLLER SHUTTER

Obstacle detection

- Stops the ZIG Screen from coming down automatically when obstacles are detected to protect belongings.
- Available for adjustment of sensitivity level.
- Available for activated or dis-activated obstacle detection.

Recalibrate End-stop positions

- Automatically recalibrate the end-stop positions every 100 cycles to remain the best end stops all the time.

Flexible limit setting mode

- Setting limits in automatically mode, in semi-automatically mode or setting limits in manual mode.

Adjustable speed

- Motor with high speed and low speed optional, adjusting the speed by remote.

Anti-freezing Protection

- Stops the motor if frost or ice freezes the ZIG Screen in place.

Built-in rechargeable battery

- Motor built-in rechargeable 5200mAh lithium-ion battery, which support 6 months operation if runs 1 cycle per day. (1 cycle= 1 UP & 1 Down)

Communication & Control Options

- With duel Zigbee /Bluetooth smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Automatically checking/changing direction

- The motor direction can be reversed automatically, if the motor moving direction was wrong.

Solar Powered

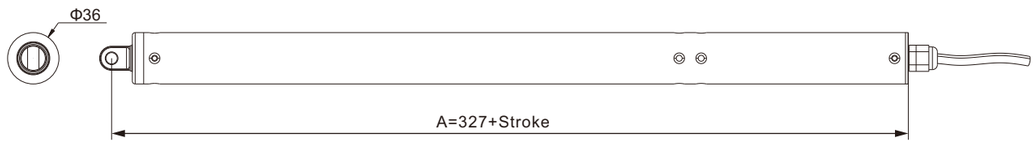
- Solar power generation, sustainable energy source.

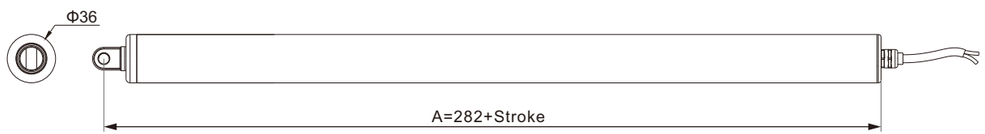
RF remote control | App control | Voice control | Timer control | Wind sensor | Sunlight sensor

Model NO.	Rated Torque	Rated RPM	Frequency	Rated voltage	Rated power	Rated current	IP class	Built-In Chip
AM45-10/12-ZS-ES-E	10N.m	12rpm	866MHz	DC12V	45W	3.5A	IP65	RF
AM45-20/12-ZS-ES-E	20N.m	12rpm	868MHz	DC12V	60W	5A	IP65	RF
AM45-10/12-ZS-ES-E-Z	10N.m	12rpm	866MHz	DC12V	45W	3.5A	IP65	RF+Zigbee
AM45-20/12-ZS-ES-E-Z	20N.m	12rpm	868MHz	DC12V	60W	5A	IP65	RF+Zigbee

AM36

Linear DC Motor





PERGOLA

DC Power

Built in synchronization

More than 10000 durability tests

IP67 protection level

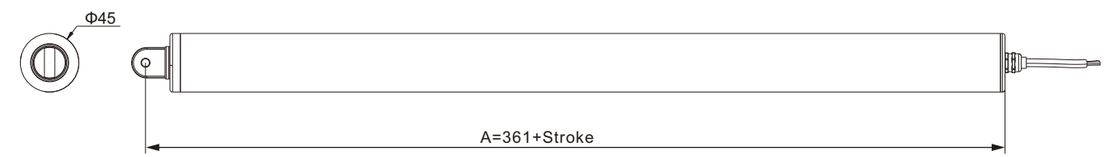
Precision helical gear planetary reduction motor

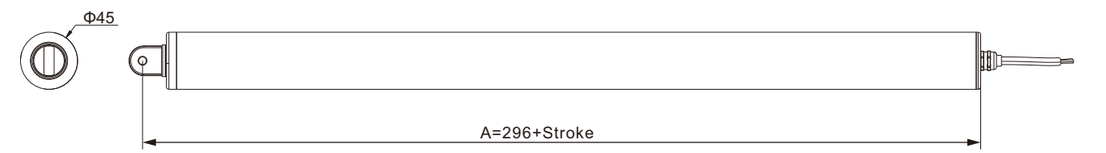
RF
remote control

Model NO.	Rated Voltage	Rated Current	Rated power	Push and pull force	Speed	Stroke length	IP Class	Built-In Chip
AM36-D800N-300mm	DC 24V	1.3A	30W	800N	8mm/s	30mm	IP67	RF
AM36-D1200N-300mm	DC 24V	1.8A	45W	1200N	8mm/s	30mm	IP67	RF
AM36B-DT800N-300mm	DC 24V	1.3A	30W	800N	8mm/s	30mm	IP65	RF
AM36B-DT1200N-300mm	DC 24V	1.8A	45W	1200N	8mm/s	30mm	IP65	RF

AM46

Linear DC Motor





PERGOLA

DC Power

Built in synchronization

More than 10000 durability tests

IP67 protection level

Precision helical gear planetary reduction motor

RF
remote control

Model NO.	Rated Voltage	Rated Current	Rated power	Push and pull force	Speed	Stroke length	IP Class	Built-In Chip
AM46-D1500N-300mm	DC 24V	1.5A	36W	1500N	4mm/s	30mm	IP67	RF
AM46-D2000N-300mm	DC 24V	1.8A	43W	2000N	4mm/s	30mm	IP67	RF
AM46B-DT1500N-300mm	DC 24V	1.5A	30W	1500N	4mm/s	30mm	IP65	RF
AM46B-DT2000N-300mm	DC 24V	1.8A	43W	2000N	4mm/s	30mm	IP65	RF

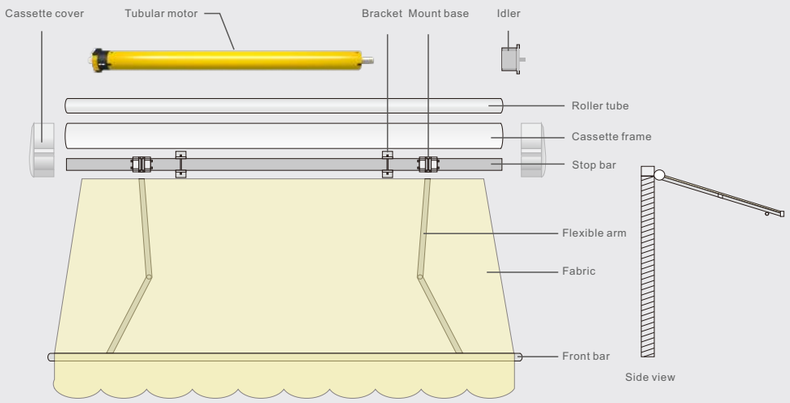
MOTORIZED AWNING

Awning has a comprehensive external sunshade function, can completely block ultraviolet radiation, reduce indoor temperature, reduce air conditioning load, awning has energy saving effect, from the perspective of energy saving and environmental protection. It is of great significance: while blocking the hot summer, it can reflect the strong sunlight into the room in the form of diffuse light, so that the indoor light is bright but not blinding, and does not affect the landscape outside the window from the indoor, and extends people's living space from the indoor to the outdoor, creating a new living space.

Structure

Wind & sunlight sensor

Wind sensor



MOTORIZED AWNING BENEFITS

Ease of Use
A motorized awning requires only the push of a button instead of cranking a handle for extension and retraction, controlling your awning via smart phone or via voice

Sensor Control
Motorized awning will adjust automatically to weather conditions by Sun-light and wind sensors, Reducing temperature and sun glare, it helps block the sun's heat from the adjacent rooms

Fabric Protection
Fabric automatically tension system protect the fabric to extend the fabric life time

Energy Savings
Motorized awning can reduce heat gain in the summer and heat loss in the winter

RECOMMENDED SOLUTION

SELECTION TABLES

01

Awning AC Motor	Remote	Wind & Sunlight Sensor	Wind Sensor	Adaptor	Crown	Bracket	Idle
x1	x1	x1 (Optional)	x1 (Optional)	x1	x1	x1	x1

Wired
Radio

02

Radio Awning LED AC Motor	Remote	Wind & Sunlight Sensor	Wind Sensor	LED Strip	Adaptor	Crown	Bracket	Idle
x1	x1	x1 (Optional)	x1 (Optional)	x1	x1	x1	x1	x1

Radio
zigbee
WiFi

03

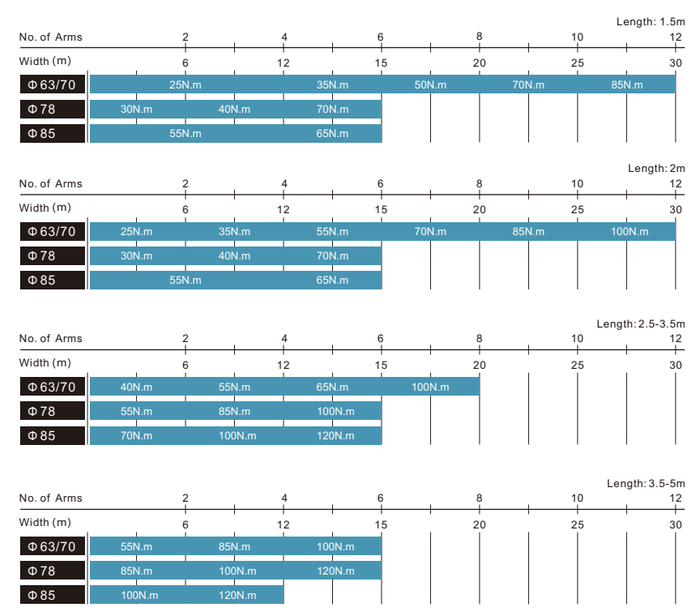
Radio Awning Li-ion Battery Motor	Solar Panel	Remote	Charger	Wind & Sunlight Sensor	Wind Sensor	Adaptor	Crown	Bracket	Idle
x1	x1 (Optional)	x1	x1 (Optional)	x1 (Optional)	x1 (Optional)	x1	x1	x1	x1

Radio
zigbee
Bluetooth
ENERGY CONSERVATION

04

Crank operated AC Motor	Crank	Remote	Wind & Sunlight Sensor	Wind Sensor	Adaptor	Crown	Bracket	Idle
x1	x1	x1	x1 (Optional)	x1 (Optional)	x1	x1	x1	x1

Wired
Radio



*Select suitable motors for your awning, please refer to the above chart according to your needs.
For more information, please check detailed technical parameters on motor pages.

*For accessories details please see page 149-156

GUIDELINES FOR CHOOSING A MOTOR

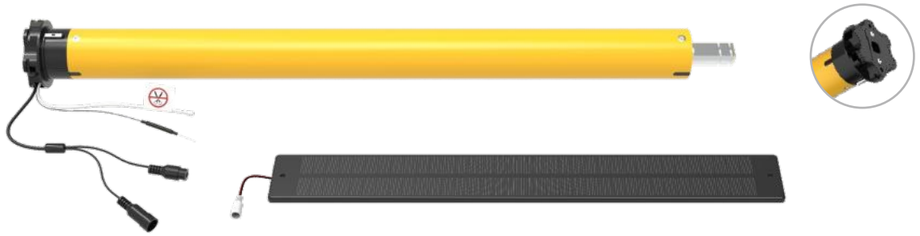
PRODUCT MATRIX

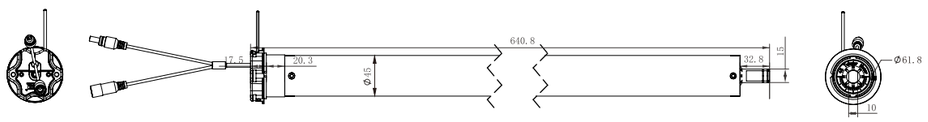
Selecting suitable motors for your shades, please refer to the below product matrix according to your needs

Awnings	Page	Model name	Application	Power suply				Motor					Settings			Functions									Control							
			Awninig	AC Powered	DC Powered	Embeded battery	Solar possibilty	Round Head	Star Head	Square Head	Motor Head D	Crank	Manual end limit setting - electronic	Semi-automatic end limit setting - electronic	Mechanical end limits setting	Ramovable Plug&Play cable	Obstacle detection to UP direction	Periodic calibration of the UEL for semi-automatic end limits (25 cycles)	Silent	Favourite possition	Soft Start / Soft Stop	LED output	Back release (releases break after cassete closure, to relax the fabric)	Automatic fabric length compensation (adjustable thresholds)	Zigbee	WiFi	Remote 433MHz	Remote 868MHz	Wall switch Control	RS485	Wind & Sun Sensor	Wind & Sun & Rain Sensor
AM45 Mechanical Limit AC Motor		AM45	●	●					●	●	●				●														●			
AM45 Mechanical Limit Radio AC Motor		AM45-E	●	●					●	●	●				●												●			●	●	●
AM45 Electronic Limit Radio AC Motor		AM45-MEL	●	●					●	●	●		●							●					●	●	●			●	●	●
AM45 Electronic Limit Radio Awning AC Motor		AM45-MEL-CA	●	●					●	●	●		●	●				●					●	●	●	●		●			●	●
AM45 Electronic Limit Radio Awning AC Motor(LED)		AM45-MEL-CAL	●	●					●	●	●		●	●				●				●	●	●	●	●		●			●	●
AM45 Crank Operated Mechanical Limit AC Motor		AM45E	●	●						●		●			●														●			
AM45 Crank Operated Mechanical Limit Radio AC Motor		AM45E-E	●	●						●		●			●												●			●	●	●
AM45 Built-in Li-ion Battery Obstacle Detection DC Motor		AM45-ES-E	●		●	●	●		●				●	●			●	●	●	●	●		●	●	●			●		●	●	●
AM60 Mechanical Limit AC Motor		AM60	●	●				●	●						●														●			
AM60 Mechanical Limit Radio AC Motor		AM60-E	●	●				●	●						●												●			●	●	●
AM60 Crank Operated Mechanical Limit AC Motor		AM60E	●	●						●		●			●														●			
AM60 Crank Operated Mechanical Limit Radio AC Motor		AM60E-E	●	●						●		●			●												●			●	●	●
AM60 Electronic Limit Radio Awning AC Motor		AM60-MEL	●	●					●				●							●					●	●	●			●	●	●
AM60 Electronic Limit Radio Awning AC Motor		AM60-MEL-CA	●	●					●				●	●			●						●	●	●	●		●		●	●	●
AM60 Electronic Limit Radio Awning AC Motor(LED)		AM60-MEL-CAL	●	●					●				●	●			●					●	●	●	●	●		●		●	●	●
AM60 AC Powered Ultra Quiet Electronic Limit Obstacle Detection DC motor		AM60-MEL-HV	●	●					●				●	●			●	●	●		●		●	●	●	●		●		●	●	●

AM45

Built-in Li-ion Battery
Electronic Limit Awning Motor





Back-release Function

- After reaching the upper limit automatically performs a short backwards, With Fabric "BACK RELEASE" function to extend fabric life.

Silent & smooth movement

- With patents design DC motor features to reduce motor operating sound.
- Come with the soft start-stop to protect the awning from damage.

Semi-automatically limit setting

- Automatic setting Upper limit by meeting obstacle, Lower limit setting by manual.

Communication & Control Options

- With smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

Self-adjustits Upper-stop positions

- Automatically correct the Upper-stop positions every 25 cycles to ensure the accuracy of the stop positions.(1 cycle= 1 UP & 1 Down)

Compatible with sun & wind sensor

- Awning will automatically open/close according to the weather conditions by sun sensor and wind sensor, providing great sun protection in summer.

FSK Bi-directional technology

- FSK technology with long-distance and good sensitivity.
- 868MHz Bi-directional communication technology with super security to protect your awning.

ON/OFF sun sensor

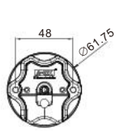
- Remote with a button can ON/OFF sun sensor

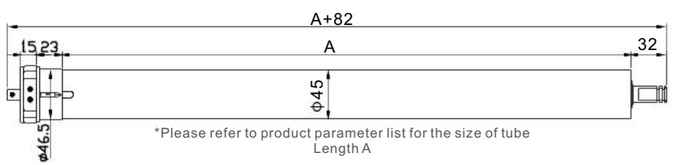
RF remote control | App control | Voice control | Timer control | Wind sensor | Sunlight sensor

Model No.	Rated Torque	Rated RPM	Motor Diameter	Rated Voltage	Frequency	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-50/6-CA-ES-E-Z	50N.m	6rpm	45mm	18.5V DC	868MHz	55.5W	3A	IP44	RF+Zigbee

AM45

Electronic Limit Radio Awning AC Motor





*Please refer to product parameter list for the size of tube Length A

AWNING

Back-release Function

- After reaching the upper limit automatically performs a short backwards, With Fabric "BACK RELEASE" function to extend fabric life.

Support LED Stripe Optional

- Motor type CAL with 24V power output that can connect LED strip to realize Stepless LED light dimming by remote.

Semi-automatically limit setting

- Automatic setting Upper limit by meeting obstacle, Lower limit setting by manual.

Communication & Control Options

- With Wi-Fi smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

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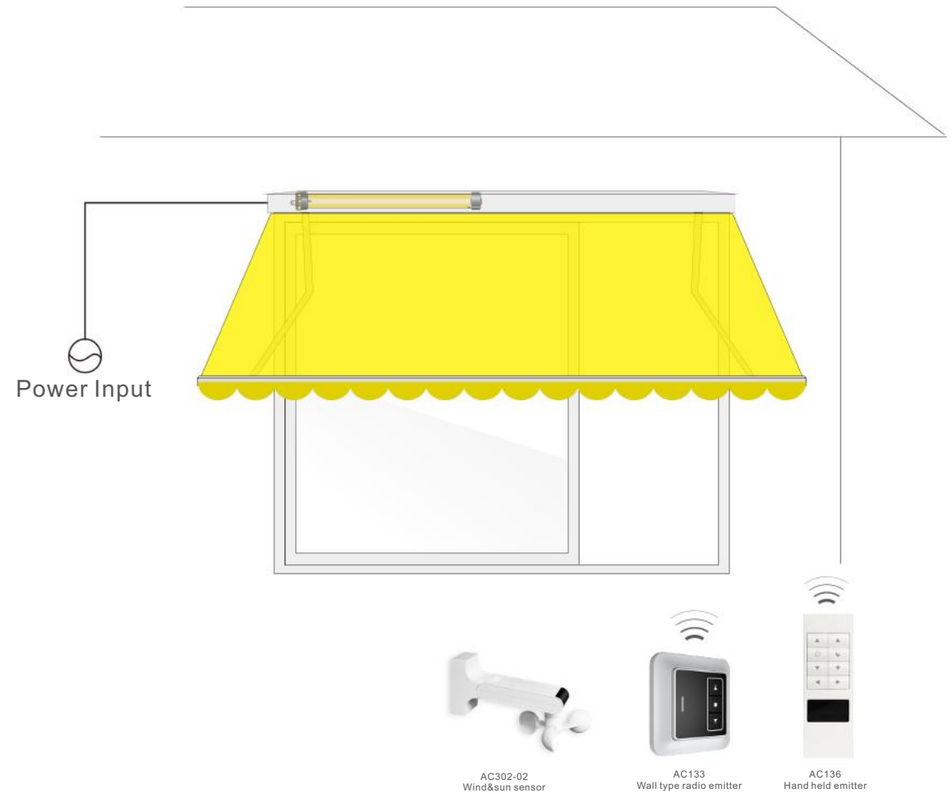
RF remote control | App control | Voice control | Timer control | Wind sensor | Sunlight sensor



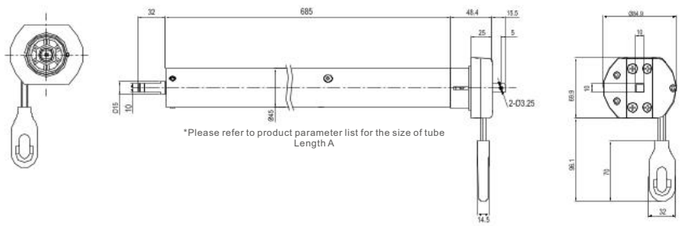
230V AC 50/60Hz

120V AC 60Hz

Model No.	Rated Torque	Rated Speed	Tube length A	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM45-15/17- MEL-CA-W	15N.m	17rpm	444mm	868MHz/433MHz	230V	145W	0.65A	IP44	RF+WiFi
AM45-30/17- MEL-CA-W	30N.m	17rpm	482mm	868MHz/433MHz	230V	200W	0.9A	IP44	RF+WiFi
AM45-50/12- MEL-CA-W	50N.m	12rpm	494mm	868MHz/433MHz	230V	250W	1.2A	IP44	RF+WiFi
AM45-15/17- MEL-CAL-W	15N.m	17rpm	444mm	868MHz/433MHz	230V	145W	0.65A	IP44	RF+WiFi
AM45-30/17- MEL-CAL-W	30N.m	17rpm	482mm	868MHz/433MHz	230V	200W	0.9A	IP44	RF+WiFi
AM45-50/12- MEL-CAL-W	50N.m	12rpm	494mm	868MHz/433MHz	230V	250W	1.2A	IP44	RF+WiFi
AM45-15/17- MEL-CA-Z	15N.m	17rpm	444mm	868MHz/433MHz	230V	145W	0.65A	IP44	RF+Zigbee
AM45-30/17- MEL-CA-Z	30N.m	17rpm	482mm	868MHz/433MHz	230V	200W	0.9A	IP44	RF+Zigbee
AM45-50/12- MEL-CA-Z	50N.m	12rpm	494mm	868MHz/433MHz	230V	250W	1.12A	IP44	RF+Zigbee
AM45-15/17- MEL-CA-W	15N.m	17rpm	444mm	868MHz/433MHz	120V	135W	1.2A	IP44	RF+WiFi
AM45-30/17- MEL-CA-W	30N.m	17rpm	482mm	868MHz/433MHz	120V	200W	1.7A	IP44	RF+WiFi
AM45-50/12- MEL-CA-W	50N.m	12rpm	494mm	868MHz/433MHz	120V	300W	2.5A	IP44	RF+WiFi
AM45-15/17- MEL-CAL-W	15N.m	17rpm	444mm	868MHz/433MHz	120V	135W	1.2A	IP44	RF+WiFi
AM45-30/17- MEL-CAL-W	30N.m	17rpm	482mm	868MHz/433MHz	120V	200W	1.7A	IP44	RF+WiFi
AM45-50/12- MEL-CAL-W	50N.m	12rpm	494mm	868MHz/433MHz	120V	300W	2.5A	IP44	RF+WiFi

AM45

Crank Operated Mechanical Limit Radio AC Motor



*Please refer to product parameter list for the size of tube Length A

Built-in receiver, simpler installation and stable performance.

With patents design features to reduce motor operating sound.

Double breaking design with patent.

Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Mechanical limit switch & max. limit circle is 29 circles

The hand crank part uses a high-precision worm gear structure, with a reduction ratio of 15:1, making manual lifting more portable

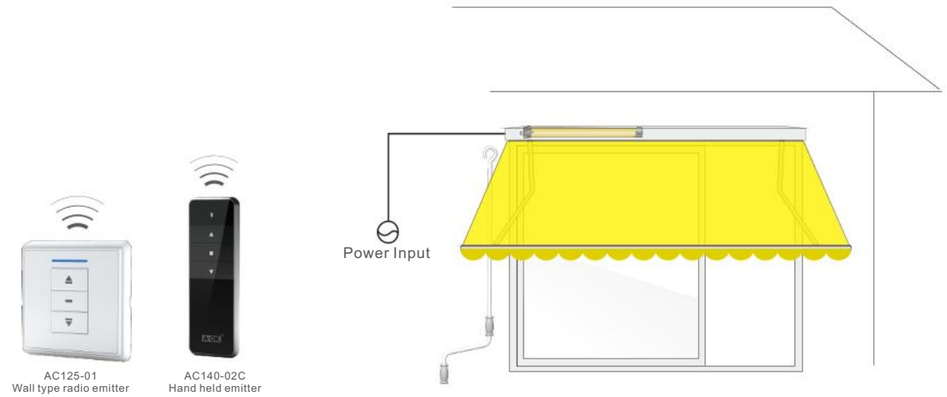
High impact resistant relay, industrial-grade CPU,working temperature -40-+85℃

RF remote control

Wind sensor

Sunlight sensor

Timer control



230V AC 50/60Hz

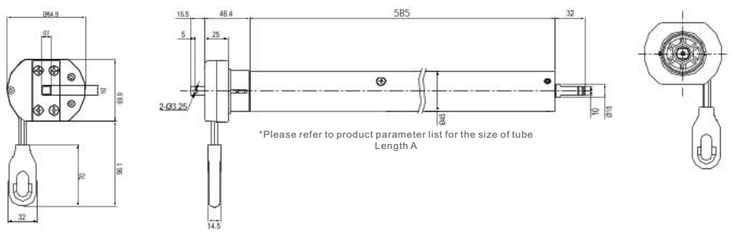
Model No.	Rated Torque	Rated RPM	Rated Voltage	Frequency	Rated Power	Rated Current	IP Class	Control
AM45E-10/17-E	10N.m	17rpm	230V	433MHz	135W	0.6A	IP44	RF+Crank
AM45E-10/30-E	10N.m	30rpm	230V	433MHz	170W	0.735A	IP44	RF+Crank
AM45E-15/17-E	15N.m	17rpm	230V	433MHz	145W	0.65A	IP44	RF+Crank
AM45E-15/30-E	15N.m	30rpm	230V	433MHz	200W	0.89A	IP44	RF+Crank
AM45E-20/12-E	20N.m	12rpm	230V	433MHz	135W	0.588A	IP44	RF+Crank
AM45E-20/30-E	20N.m	30rpm	230V	433MHz	250W	1.2A	IP44	RF+Crank
AM45E-20/17-E	20N.m	17rpm	230V	433MHz	195W	0.85A	IP44	RF+Crank
AM45E-30/17-E	30N.m	17rpm	230V	433MHz	200W	0.89A	IP44	RF+Crank
AM45E-30/12-E	30N.m	12rpm	230V	433MHz	190W	0.83A	IP44	RF+Crank
AM45E-40/12-E	40N.m	12rpm	230V	433MHz	200W	0.89A	IP44	RF+Crank
AM45E-50/12-E	50N.m	12rpm	230V	433MHz	250W	1.2A	IP44	RF+Crank
AM45E-65/12-E	65N.m	12rpm	230V	433MHz	330W	1.52A	IP44	RF+Crank

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Rated Voltage	Frequency	Rated Power	Rated Current	IP Class	Control
AM45E-10/17-E	10N.m	17rpm	120V	433MHz	135W	1.15A	IP44	RF+Crank
AM45E-10/30-E	10N.m	30rpm	120V	433MHz	170W	1.4A	IP44	RF+Crank
AM45E-15/17-E	15N.m	17rpm	120V	433MHz	135W	1.15A	IP44	RF+Crank
AM45E-15/30-E	15N.m	30rpm	120V	433MHz	200W	1.7A	IP44	RF+Crank
AM45E-20/12-E	20N.m	12rpm	120V	433MHz	135W	1.15A	IP44	RF+Crank
AM45E-20/30-E	20N.m	30rpm	120V	433MHz	300W	2.50A	IP44	RF+Crank
AM45E-20/17-E	20N.m	17rpm	120V	433MHz	170W	1.4A	IP44	RF+Crank
AM45E-30/17-E	30N.m	17rpm	120V	433MHz	200W	1.7A	IP44	RF+Crank
AM45E-30/12-E	30N.m	12rpm	120V	433MHz	170W	1.4A	IP44	RF+Crank
AM45E-40/12-E	40N.m	12rpm	120V	433MHz	200W	1.7A	IP44	RF+Crank
AM45E-50/12-E	50N.m	12rpm	120V	433MHz	300W	2.50A	IP44	RF+Crank

AM45

Crank Operated Mechanical Limit AC Motor



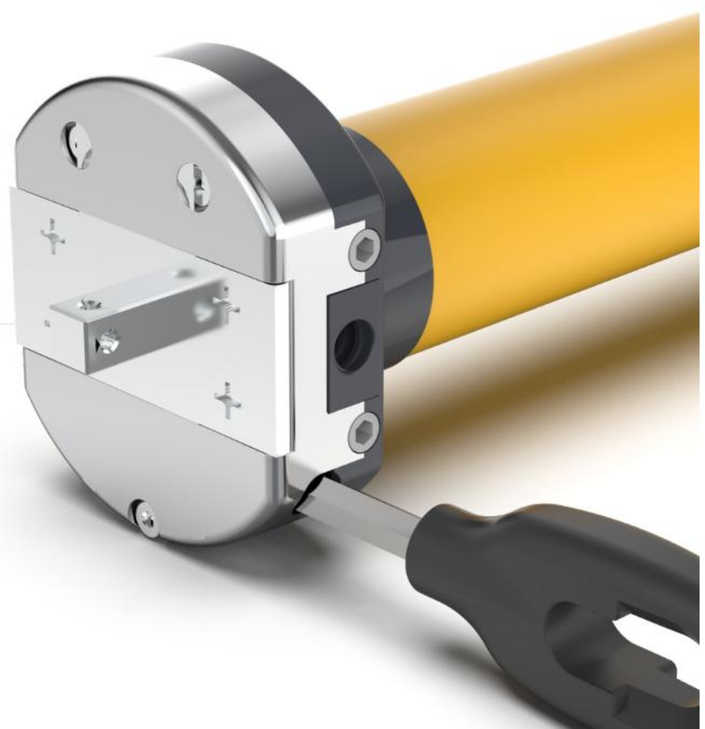
Reliable and easy adjustment of the limit switches.

With patents design features to reduce motor operating sound.

Mechanical limit switch & max. limit circle is 20 circles

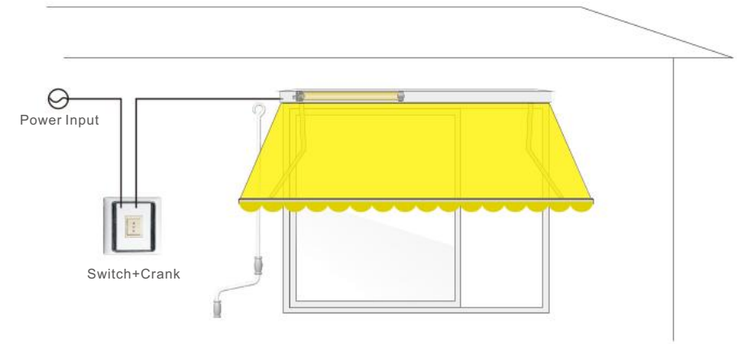
The hand crank part uses a high-precision worm gear structure, with a reduction ratio of 15:1, making manual lifting more portable

Double breaking design with patent.



Switch control

Limit setting switch



230V AC 50/60Hz

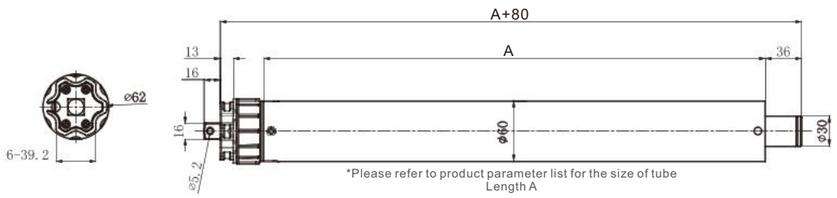
Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM45E-10/30	10N.m	30rpm	230V	170W	0.735A	IP44	Switch+Crank
AM45E-15/30	15N.m	30rpm	230V	200W	0.9A	IP44	Switch+Crank
AM45E-20/30	20N.m	30rpm	230V	250W	1.15A	IP44	Switch+Crank
AM45E-10/17	10N.m	17rpm	230V	135W	0.5A	IP44	Switch+Crank
AM45E-15/17	15N.m	17rpm	230V	135W	0.588A	IP44	Switch+Crank
AM45E-20/17	20N.m	17rpm	230V	170W	0.735A	IP44	Switch+Crank
AM45E-30/17	30N.m	17rpm	230V	200W	0.9A	IP44	Switch+Crank
AM45E-20/12	20N.m	12rpm	230V	135W	0.5A	IP44	Switch+Crank
AM45E-30/12	30N.m	12rpm	230V	190W	0.9A	IP44	Switch+Crank
AM45E-40/12	40N.m	12rpm	230V	200W	0.9A	IP44	Switch+Crank
AM45E-50/12	50N.m	12rpm	230V	250W	1.15A	IP44	Switch+Crank
AM45E-65/12	65N.m	12rpm	230V	330W	1.52A	IP44	Switch+Crank

120V AC 60Hz

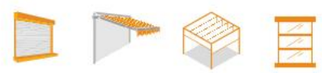
Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM45E-10/30	10N.m	30rpm	120V	170W	1.4A	IP44	Switch+Crank
AM45E-15/30	15N.m	30rpm	120V	200W	1.7A	IP44	Switch+Crank
AM45E-20/30	20N.m	30rpm	120V	300W	2.50A	IP44	Switch+Crank
AM45E-10/17	10N.m	17rpm	120V	135W	1.15A	IP44	Switch+Crank
AM45E-15/17	15N.m	17rpm	120V	135W	1.15A	IP44	Switch+Crank
AM45E-20/17	20N.m	17rpm	120V	170W	1.4A	IP44	Switch+Crank
AM45E-30/17	30N.m	17rpm	120V	200W	1.7A	IP44	Switch+Crank
AM45E-20/12	20N.m	12rpm	120V	135W	1.15A	IP44	Switch+Crank
AM45E-30/12	30N.m	12rpm	120V	170W	1.4A	IP44	Switch+Crank
AM45E-40/12	40N.m	12rpm	120V	200W	1.7A	IP44	Switch+Crank
AM45E-50/12	50N.m	12rpm	120V	300W	2.50A	IP44	Switch+Crank

AM60

Electronic Limit Radio Awning AC Motor



*Please refer to product parameter list for the size of tube Length A



ROLLER DOOR | AWNING | PERGOLA | GUILLOTINE

Back-release Function

- After reaching the upper limit automatically performs a short backwards, With Fabric "BACK RELEASE" function to extend fabric life.

Semi-automatically limit setting

- Automatic setting Upper limit by meeting obstacle, Lower limit setting by remote.

Self-adjustits Upper-stop positions

- Automatically correct the Upper-stop positions every 25 cycles to ensure the accuracy of the stop positions.(1 cycle= 1 UP & 1 Down)

Support LED Stripe Optional

- Motor with 24V power output that can connect LED strip to realize Stepless LED light dimming by remote.

ON/OFF sun sensor

- Remote with a button can ON/OFF sun sensor

Communication & Control Options

- With Wi-Fi smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

Compatible with sun & wind sensor

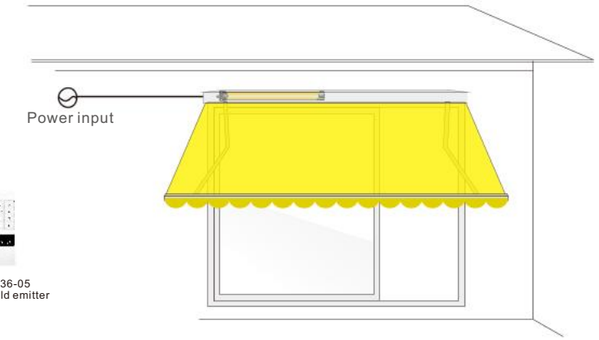
- Awning will automatically open/close according to the weather conditions by sun sensor and wind sensor, providing great sun protection in summer.

FSK Bi-directional technology

- FSK technology with long-distance and good sensitivity.
- 868MHz Bi-directional communication technology with super security to protect your awning.

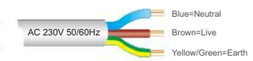
RF remote control | App control | Voice control

Timer control | Wind sensor | Sunlight sensor



AC303-01 Wind Sensor | AC302-02 Sun-light &Wind Sensor | AC136-05 Hand held emitter

230V AC 50/60Hz



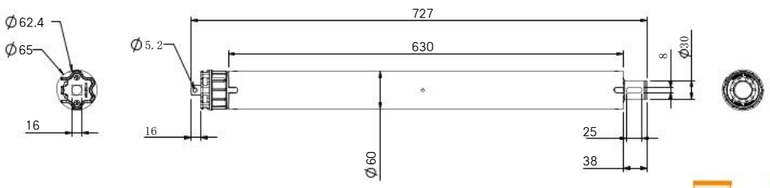
Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM60-60/12-MEL-CA-W	60N.m	12rpm	868MHz	230V	368W	1.6A	IP44	RF+WiFi
AM60-80/12-MEL-CA-W	80N.m	12rpm	868MHz	230V	400W	1.7A	IP44	RF+WiFi
AM60-100/12-MEL-CA-W	100N.m	12rpm	868MHz	230V	420W	1.85A	IP44	RF+WiFi
AM60-120/9-MEL-CA-W	120N.m	9rpm	868MHz	230V	396W	1.75A	IP44	RF+WiFi
AM60-60/12-MEL-CAL-W	60N.m	12rpm	868MHz	230V	368W	1.6A	IP44	RF+WiFi
AM60-80/12-MEL-CAL-W	80N.m	12rpm	868MHz	230V	400W	1.7A	IP44	RF+WiFi
AM60-100/12-MEL-CAL-W	100N.m	12rpm	868MHz	230V	420W	1.85A	IP44	RF+WiFi
AM60-120/9-MEL-CAL-W	120N.m	9rpm	868MHz	230V	396W	1.75A	IP44	RF+WiFi

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM60-60/12-MEL-CA-W	60N.m	12rpm	868MHz	120V	384W	3.2A	IP44	RF+WiFi
AM60-80/12-MEL-CA-W	80N.m	12rpm	868MHz	120V	408W	3.4A	IP44	RF+WiFi
AM60-100/12-MEL-CA-W	100N.m	12rpm	868MHz	120V	444W	3.7A	IP44	RF+WiFi
AM60-120/9-MEL-CA-W	120N.m	9rpm	868MHz	120V	420W	3.5A	IP44	RF+WiFi
AM60-60/12-MEL-CAL-W	60N.m	12rpm	868MHz	120V	384W	3.2A	IP44	RF+WiFi
AM60-80/12-MEL-CAL-W	80N.m	12rpm	868MHz	120V	408W	3.4A	IP44	RF+WiFi
AM60-100/12-MEL-CAL-W	100N.m	12rpm	868MHz	120V	444W	3.7A	IP44	RF+WiFi
AM60-120/9-MEL-CAL-W	120N.m	9rpm	868MHz	120V	420W	3.5A	IP44	RF+WiFi

AM60

AC Powered Ultra Quiet Electronic Limit Obstacle Detection DC motor



ROLLER SHUTTER | ROLLER DOOR | AWNING | PERGOLA | GUILLOTINE

Obstacle detection

- Stops the shutter from coming down automatically when obstacles are detected to protect belongings.

Compatible with sun & wind sensor

- Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

High voltage DC motor

- High voltage DC motor, long continuous working time.

Silent & smooth movement

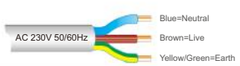
- With patents design features to reduce motor operating sound.
- Come with the soft start-stop to protect the roller shutter from damage.

Communication & Control Options

- With smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

RF remote control | Wind sensor | Sunlight sensor | Timer control

230V AC 50/60Hz



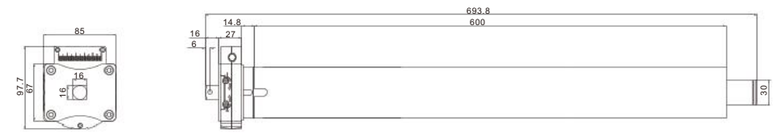
Model No.	Rated Torque	Rated Speed	Rated Voltage	Frequency	Rated Power	Rated Current	IP Class	Built-In Chip
AM60-60/12-MEL-HV	60N.m	12rpm	230V	868MHz	368W	1.6A	IP44	RF
AM60-80/12-MEL-HV	80N.m	12rpm	230V	868MHz	400W	1.7A	IP44	RF
AM60-100/12-MEL-HV	100N.m	12rpm	230V	868MHz	420W	1.85A	IP44	RF
AM60-120/9-MEL-HV	120N.m	9rpm	230V	868MHz	396W	1.75A	IP44	RF
AM60-140/9-MEL-HV	140N.m	9rpm	230V	868MHz	420W	1.85A	IP44	RF

120V AC 60Hz

Model No.	Rated Torque	Rated Speed	Rated Voltage	Frequency	Rated Power	Rated Current	IP Class	Built-In Chip
AM60-60/12-MEL-HV	60N.m	12rpm	120V	868MHz	384W	3.2A	IP44	RF
AM60-80/12-MEL-HV	80N.m	12rpm	120V	868MHz	408W	3.4A	IP44	RF
AM60-100/12-MEL-HV	100N.m	12rpm	120V	868MHz	444W	3.7A	IP44	RF
AM60-120/9-MEL-HV	120N.m	9rpm	120V	868MHz	420W	3.5A	IP44	RF
AM60-140/9-MEL-HV	140N.m	9rpm	120V	868MHz	444W	3.7A	IP44	RF

AM60

Crank Operated Mechanical Limit AC Motor



ROLLER SHUTTER | ROLLER DOOR | AWNING

Reliable and easy adjustment of the limit switches.

Mechanical limit switch & max. limit circle is 20 circles

Double breaking design with patent.

With patents design features to reduce motor operating sound.

The hand crank part uses a high-precision worm gear structure, with a reduction ratio of 45:1, making manual lifting more portable

Switch control

230V AC 50/60Hz

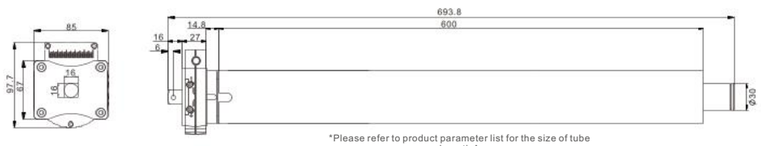
Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM60E-60/12	60N.m	12rpm	230V	368W	1.6A	IP44	Switch+Crank
AM60E-80/12	80N.m	12rpm	230V	400W	1.7A	IP44	Switch+Crank
AM60E-100/12	100N.m	12rpm	230V	420W	1.85A	IP44	Switch+Crank
AM60E-120/9	120N.m	9rpm	230V	396W	1.75A	IP44	Switch+Crank
AM60E-140/9	140N.m	9rpm	230V	420W	1.85A	IP44	Switch+Crank

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM60E-60/12	60N.m	12rpm	120V	384W	3.2A	IP44	Switch+Crank
AM60E-80/12	80N.m	12rpm	120V	408W	3.4A	IP44	Switch+Crank
AM60E-100/12	100N.m	12rpm	120V	444W	3.7A	IP44	Switch+Crank
AM60E-120/9	120N.m	9rpm	120V	420W	3.5A	IP44	Switch+Crank
AM60E-140/9	140N.m	9rpm	120V	444W	3.7A	IP44	Switch+Crank

AM60

Crank Operated Mechanical Limit Radio AC Motor



*Please refer to product parameter list for the size of tube Length A

Built-in receiver, simpler installation and stable performance.

With patents design features to reduce motor operating sound.

Double breaking design with patent.

Will adjust automatically to weather conditions by sun sensor and wind sensor, provide great sun protection in summer and avoid heat loss in the winter.

Mechanical limit switch & max. limit circle is 29 circles

The hand crank part uses a high-precision worm gear structure, with a reduction ratio of 45:1, making manual lifting more portable

High impact resistant relay, industrial-grade CPU,working temperature -40-+85°C

RF remote control

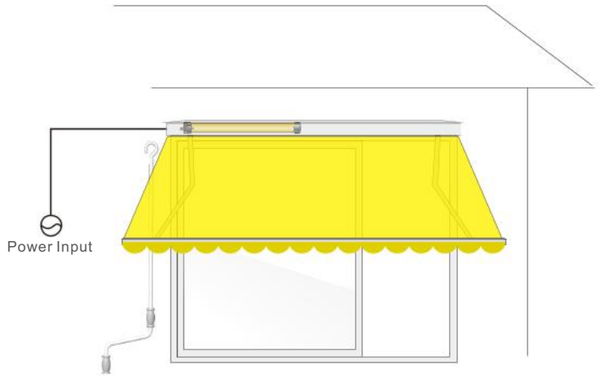
Wind sensor

Sunlight sensor

Timer control

AC125-01
Wall type radio emitter

AC140-02C
Hand held emitter



230V AC 50/60Hz

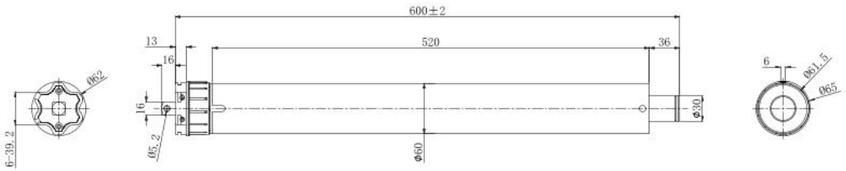
Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Frequency	Rated Current	IP Class	Control
AM60E-60/12-E	60N.m	12rpm	230V	368W	433MHz	1.6A	IP44	RF+Crank
AM60E-80/12-E	80N.m	12rpm	230V	400W	433MHz	1.7A	IP44	RF+Crank
AM60E-100/12-E	100N.m	12rpm	230V	420W	433MHz	1.85A	IP44	RF+Crank
AM60E-120/9-E	120N.m	9rpm	230V	396W	433MHz	1.75A	IP44	RF+Crank
AM60E-140/9-E	140N.m	9rpm	230V	420W	433MHz	1.85A	IP44	RF+Crank

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Frequency	Rated Current	IP Class	Control
AM60E-60/12-E	60N.m	12rpm	120V	384W	433MHz	3.2A	IP44	RF+Crank
AM60E-80/12-E	80N.m	12rpm	120V	408W	433MHz	3.4A	IP44	RF+Crank
AM60E-100/12-E	100N.m	12rpm	120V	444W	433MHz	3.7A	IP44	RF+Crank
AM60E-120/9-E	120N.m	9rpm	120V	420W	433MHz	3.5A	IP44	RF+Crank
AM60E-140/9-E	140N.m	9rpm	120V	444W	433MHz	3.7A	IP44	RF+Crank

AM60

Mechanical Limit Radio AC Motor



ROLLER SHUTTER

ROLLER DOOR

AWNING

Mechanical limit switch with in-built receiver, reliable and easy adjustment of the limit switches.

With patents design features of braking technology makes the movement smooth and silent.

Maximum limit circle is 29 circles.

High impact resistant relay, industrial-grade CPU, Working temperature -40°C~ +85°C.

Optional Connections, wired switch, controls via radio.

Built-in superheterodyne receiving module, long control distance, strong anti-interference ability, receiving sensitivity -110dBm.

230V AC 50/60Hz

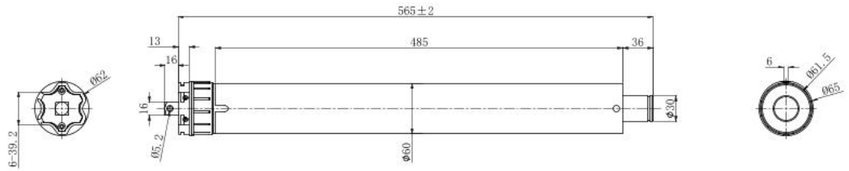
Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM60-60/12-E	60N.m	12rpm	433MHz	230V	368W	1.6A	IP44	RF
AM60-80/12-E	80N.m	12rpm	433MHz	230V	400W	1.7A	IP44	RF
AM60-100/12-E	100N.m	12rpm	433MHz	230V	420W	1.85A	IP44	RF
AM60-120/9-E	120N.m	9rpm	433MHz	230V	396W	1.75A	IP44	RF
AM60-140/9-E	140N.m	9rpm	433MHz	230V	420W	1.85A	IP44	RF

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Frequency	Rated Voltage	Rated Power	Rated Current	IP Class	Built-In Chip
AM60-60/12-E	60N.m	12rpm	433MHz	120V	384W	3.2A	IP44	RF
AM60-80/12-E	80N.m	12rpm	433MHz	120V	408W	3.4A	IP44	RF
AM60-100/12-E	100N.m	12rpm	433MHz	120V	444W	3.7A	IP44	RF
AM60-120/9-E	120N.m	9rpm	433MHz	120V	420W	3.5A	IP44	RF
AM60-140/9-E	140N.m	9rpm	433MHz	120V	444W	3.7A	IP44	RF

AM60

Mechanical Limit AC Motor



ROLLER SHUTTER

ROLLER DOOR

AWNING

Mechanical limit switch & max. limit circle is ?? circles

Quite design, lower to 45dB

Reliable and easy adjustment of the limit switches.

Double breaking design with patent.

230V AC 50/60Hz

Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM60-60/12	60N.m	12rpm	230V	368W	1.6A	IP44	Switch
AM60-80/12	80N.m	12rpm	230V	400W	1.7A	IP44	Switch
AM60-100/12	100N.m	12rpm	230V	420W	1.85A	IP44	Switch
AM60-120/9	120N.m	9rpm	230V	396W	1.75A	IP44	Switch
AM60-140/9	140N.m	9rpm	230V	420W	1.85A	IP44	Switch

120V AC 60Hz

Model No.	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	IP Class	Control
AM60-60/12	60N.m	12rpm	120V	384W	3.2A	IP44	Switch
AM60-80/12	80N.m	12rpm	120V	408W	3.4A	IP44	Switch
AM60-100/12	100N.m	12rpm	120V	444W	3.7A	IP44	Switch
AM60-120/9	120N.m	9rpm	120V	420W	3.5A	IP44	Switch
AM60-140/9	140N.m	9rpm	120V	444W	3.7A	IP44	Switch

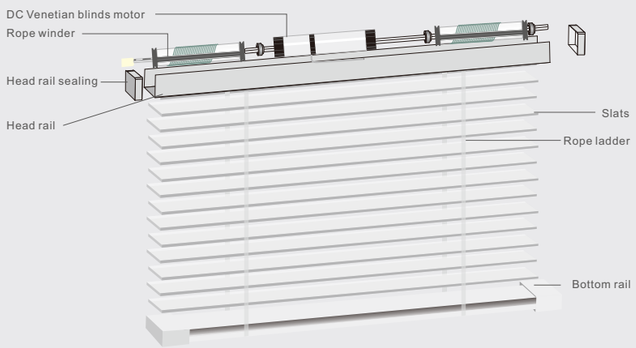
TUBULAR MOTOR FOR EXTERNAL VENETIAN BLINDS

MOTORIZED EXTERNAL VENETIAN BLIND

External Venetian blinds are a sleek, modern choice for owners of new homes. External Venetian blinds can be operated by a remote control, making them extremely user-friendly. If you're looking for a window treatment option that is stylish and practical, motorised Venetian blinds are the way to go.

AM55 AC outdoor blinds motor, mainly used for small and medium-sized outdoor aluminum blinds, widely used for outdoor shading system in office buildings, conference rooms, family homes, with shading and dimming functions. According to the needs of users, more accurate adjustment of indoor natural lighting, to achieve the best visual comfort.

Structure



MOTORIZED EXTERNAL VENETIAN BLIND BENEFITS

Ease of Use
A motorized external Venetian blind requires only the push of a button, controlling your external Venetian blind via remote, smart phone or voice

Timer
Those shades with smart motors can be programmed with timer. It allows your roller blinds on different windows to be open or closed automatically at the pre-set timings, based on you comfortable needs

Sun-light Adjustment
Allows you to enjoy total freedom in any room by graduating the entry of light and air

Energy Savings
Motorized external Venetian blind can reduce heat gain in the summer and heat loss in the winter

RECOMMENDED SOLUTION

SELECTION TABLES

01 — Wired

Wired Venetian Blind AC Motor	Switch	Limit Setting Switch	Bracket
x1	x1	x1 (Optional)	x1

02 — Radio, zigbee

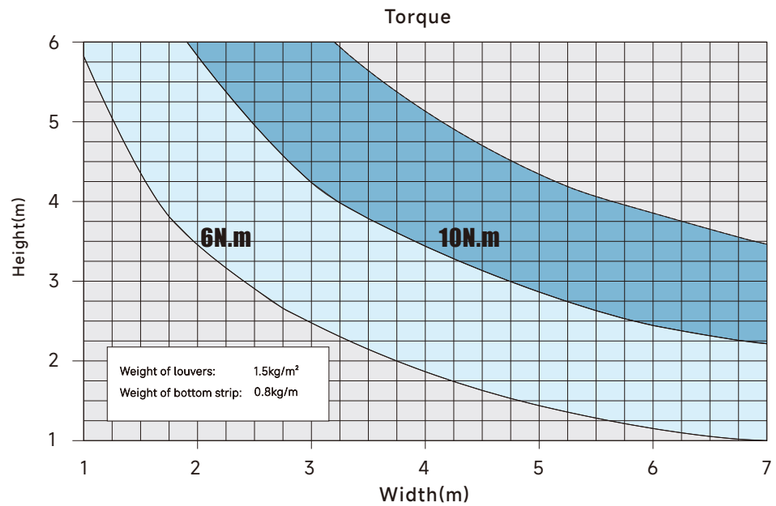
Wired Venetian Blind AC Motor	Remote	Recievr	Limit Setting Switch	Bracket
x1	x1	x1	x1 (Optional)	x1

03 — Radio, zigbee

Radio Super Quiet AC Motor	Remote	Bracket
x1	x1	x1

04 — Radio

Wireless built-in AC motor	Remote	Bracket



*Select suitable motors for your Venetian blind, please refer to the above chart according to your needs.
For more information, please check detailed technical parameters on motor pages.

*For accessories details please see page 149-156

GUIDELINES FOR CHOOSING A MOTOR

PRODUCT MATRIX

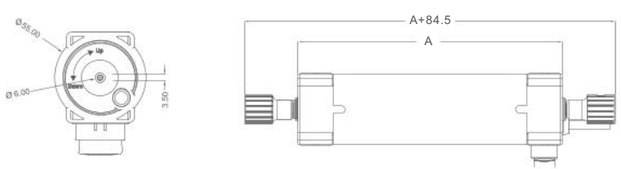
Selecting suitable motors for your shades, please refer to the below product matrix according to your needs

			Application	Power suply		Motor			Settings				Functions									Control					
EVB	Page	Model name	EVB	AC Powered	DC motor inside	Magnetic maschroom	"U" mounting	"N" mounting	Setting end limits via setting tool	Setting end limits via remote	Automatic UP end limit set on Mashroom	Electronic UP end limit set on remote	Obstacle detection to UP direction	Obstacle detection sensitivity adjustment (3 levels)	Obstacle detection ON/Off function	Rebound after obstacle detection removing tention on the strings	Anti freezing protection	Periodic calibration of the UP end positions for auto setting (100 cycles)	"Super Silent"	Favourite possition	Soft Start / Soft Stop	Zigbee	Remote 433MHz	Remote 868MHz	Wall swith wired	Wind & Sun Sensor	Wind & Sun & Rain Sensor
Wired Exterior Venetian Blind		AM55-EL	●	●		●	●	●	●		●														●		
Radio Exterior Venetian Blind		AM55-EL-E	●	●		●	●	●		●	●	●										●		●		●	●
Wired Exterior Venetian Blind with DC motor inside		AM55-EL-HV	●	●	●	●	●	●			●		●	●	●	●	●	●	●	●	●				●		
Radio Exterior Venetian Blind with DC motor inside		AM55-EL-HV-E	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●		●		●	●
Radio Receiver for wired EVB		AC268-01	●	●						●	●	●											●			●	●
Zigbee Radio Receiver for wired EVB		AC268-01-Z	●	●						●	●	●										●		●		●	●

AM55

Wired Outdoor Venetian Blind Motor

AC268-01
Receiver (optional)



OUTDOOR
VENETIAN BLIND

Emergency stop

- Emergency stop switch for security operation Available for upward and downward installation

Silent & smooth movement

- Leading quiet technology, Helical super silent structure design, silent brake design, come with the soft start-stop to protect the Venetian blind from damage.

Overload protection

- Overload protection function; prolong the lifetime of the blind system

Electronic limit

- Setting the limits position by the limit setting switch.

Double Shaft

- Double driving shaft for stronger torque output

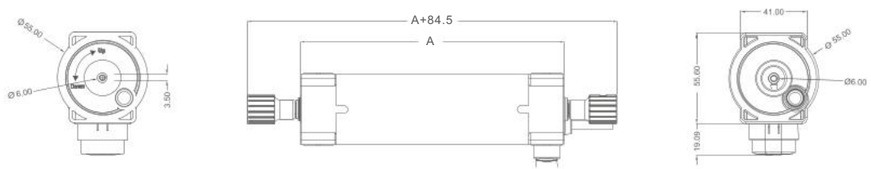
Switch control

Limit setting switch

Model No.	Rated Voltage	Rated Power	Rated Torque	Rated RPM	Working Temperature	Tube Length A	IP Class	Built-In Chip
AM55-6/35-EL	230V/50Hz or 120V/60Hz	80W	6N.m	35rpm	-20℃~+55℃	231mm	IP54	RF
AM55-10/35-EL	230V/50Hz or 120V/60Hz	120W	10N.m	35rpm	-20℃~+55℃	241mm	IP54	RF
AM55-20/35-EL	230V/50Hz or 120V/60Hz	160W	20N.m	35rpm	-20℃~+55℃	241mm	IP54	RF
AM55-6/26-EL-HV	100~230V/50~60Hz	85W	6N.m	26rpm	-20℃~+55℃	239.5mm	IP54	RF
AM55-10/26-EL-HV	100~230V/50~60Hz	135W	10N.m	26rpm	-20℃~+65℃	251.5mm	IP54	RF
AM55-20/26-EL-HV	100~230V/50~60Hz	135W	20N.m	26rpm	-20℃~+65℃	251.5mm	IP54	RF

AM55

Radio Super Quiet AC Motor



OUTDOOR
VENETIAN BLIND

Emergency stop

- Emergency stop switch for security operation Available for upward and downward installation

Silent & smooth movement

- Leading quiet technology, Helical super silent structure design, silent brake design, come with the soft start-stop to protect the Venetian blind from damage.

Overload protection

- Overload protection function; prolong the lifetime of the blind system

Electronic limit

- Setting the limits position by remote.

Double Shaft

- Double driving shaft for stronger torque output

Communication & Control Options

- With Zigbee smart chipset and radio chipset, available for variety control options via remote, APP or voice assistant

RF remote control

App control

Voice control

Timer control

Wind sensor

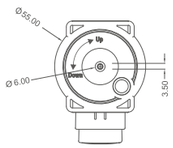
Sunlight sensor

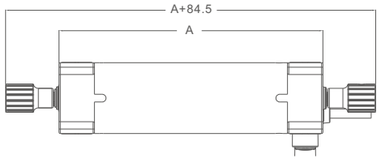
Model No.	Rated Voltage	Rated Power	Rated Torque	Rated RPM	Working Temperature	Frequency	Tube Length A	IP Class	Built-In Chip
AM55-6/26-EL-HV-E	110~230V/50~60Hz	85W	6N.m	26rpm	-20℃~+65℃	868MHz	239.5mm	IP54	RF
AM55-10/26-EL-HV-E	110~230V/50~60Hz	135W	10N.m	26rpm	-20℃~+65℃	868MHz	251.5mm	IP54	RF
AM55-20/26-EL-HV-E	110~230V/50~60Hz	135W	20N.m	26rpm	-20℃~+65℃	868MHz	251.5mm	IP54	RF
AM55-6/26-EL-HV-E-Z	110~230V/50~60Hz	85W	6N.m	26rpm	-20℃~+65℃	868MHz	239.5mm	IP54	RF+Zigbee
AM55-10/26-EL-HV-E-Z	110~230V/50~60Hz	135W	10N.m	26rpm	-20℃~+65℃	868MHz	251.5mm	IP54	RF+Zigbee
AM55-20/26-EL-HV-E-Z	110~230V/50~60Hz	135W	20N.m	26rpm	-20℃~+65℃	868MHz	251.5mm	IP54	RF+Zigbee

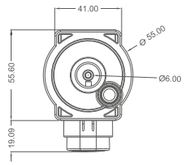
AM55

Radio Outdoor Venetian Blind Motor

AC268-01
Receiver (optional)







OUTDOOR
VENETIAN BLIND

Emergency stop

- Emergency stop switch for security operation Available for upward and downward installation

Silent & smooth movement

- Leading quiet technology, Helical super silent structure design, silent brake design, come with the soft start-stop to protect the Venetian blind from damage.

Overload protection

- Overload protection function; prolong the lifetime of the blind system

Double Shaft

- Double driving shaft for stronger torque output

Electronic limit

- Setting the limits position by the limit setting switch.

RF remote control

App control

Voice control

Timer control

Wind sensor

Sunlight sensor

Model No.	Rated Voltage	Rated Power	Rated Torque	Rated RPM	Working Temperature	Frequency	Tube Length A	IP Class	Built-In Chip
AM55-6/35-EL-E	230V/50Hz or 120V/60Hz	80W	6N.m	35rpm	-20℃~+65℃	433MHz	231mm	IP54	RF
AM55-10/35-EL-E	230V/50Hz or 120V/60Hz	120W	10N.m	35rpm	-20℃~+65℃	433MHz	241mm	IP54	RF
AM55-20/35-EL-E	230V/50Hz or 120V/60Hz	160W	20N.m	35rpm	-20℃~+65℃	433MHz	241mm	IP54	RF

MOTORIZED LOUVRE

Motorized louver ,the basic functions include ventilation, shading and concealment. The adjustable angle of the hundred blades can ensure the indoor natural ventilation, and at the same time can prevent outdoor harmful ultraviolet radiation: Automatic fire exhaust and ventilation combined, connected with the fire system, in emergency, can be automatically opened to achieve the effect of smoke exhaust Motorized louver mainly used in factory smoke exhaust ventilation, civil sunshade anti-theft. Building exterior facade surfaces, typhoon protection Settings, improved ventilation Settings, school protection Settings, etc., can be achieved through different design or installation methods of ventilated shutter curtains.

The system characteristics1.Lighting and shading :the turning angle of the blade can be adjusted according to the angle of sun expose to achieve the best effect of shading and dimming .2.Heat preservation, heat insulation, noise reduction: when the blades are closed, the sash is airtight, and the hundred blades are double hollow design, which can effectively maintain the indoor temperature and isolate the outdoor high temperature, and can reduce the noise of more than 30 db.3.Fire control: can receive fire signals, such as smoke sensor, temperature sensor probe, fire emergency button, and receive the signal sent by the fire control center, as an automatic smoke exhaust cooling gate.

MOTORIZED LOUVRE BENEFITS

Ease of Use
A motorized louver requires only the push of a button, controlling your louver via remote, smart phone or voice

Sensor Control
Motorized louver will adjust automatically to weather conditions by Sun-light and wind sensors

Sun-light Adjustment
A motorized louver can reduce the pressure of forward wind when closing , and the turning angle of the blade can be adjusted according to the angle of sun expose to achieve the best effect of shading and dimming

Energy Savings
A motorized louver provide great sun protection in summer and heat loss in the winter

RECOMMENDED SOLUTION

01 — Wired

DC Linear actuator	Bracket	Bracket	Bracket
x1	x1 (Optional)	x1 (Optional)	x1 (Optional)

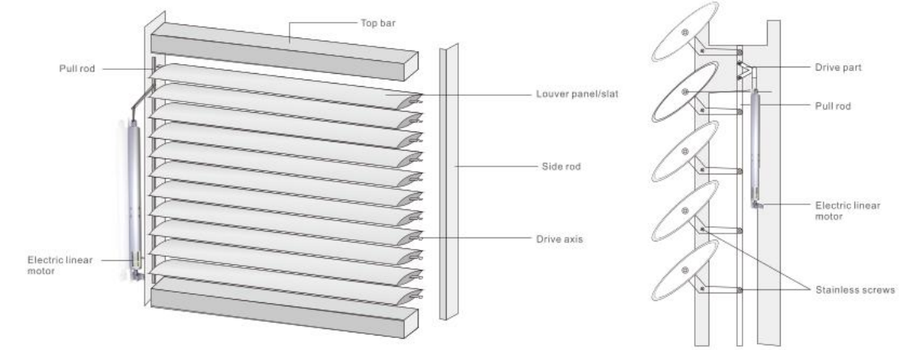
02 — Radio

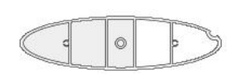
DC Linear actuator	External radio receiver	Remote	Bracket	Bracket	Bracket
x1	x1	x1	x1 (Optional)	x1 (Optional)	x1 (Optional)

03 — Radio

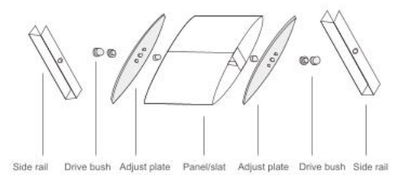
DC Linear actuator	Control box	Bracket	Bracket	Bracket
x1	x1	x1 (Optional)	x1 (Optional)	x1 (Optional)

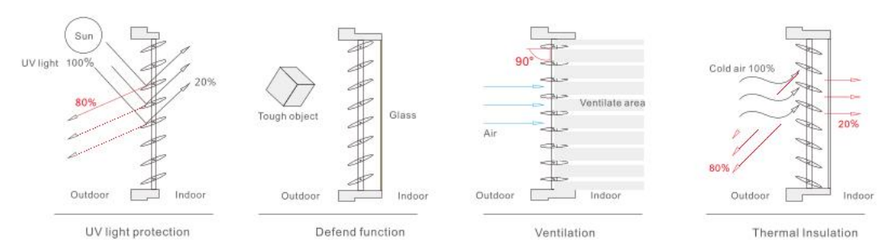
STRUCTURE





Panel slat side view

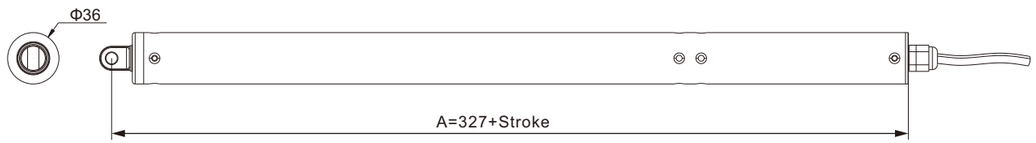


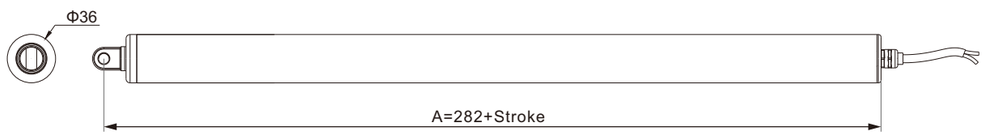


*Select suitable motors for your Louvre, please refer to the above chart according to your needs.
For more information, please check detailed technical parameters on motor pages.

AM36

Linear DC Motor





LOUVRE

DC Power

Built in synchronization

More than 10000 durability tests

IP67 protection level

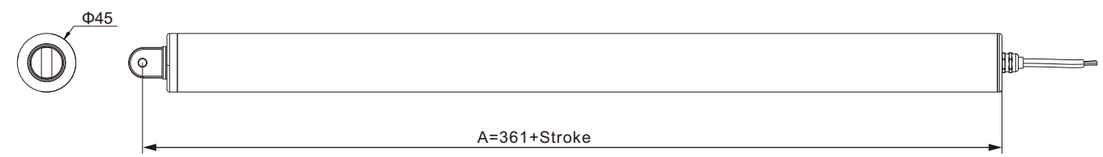
Precision helical gear planetary reduction motor

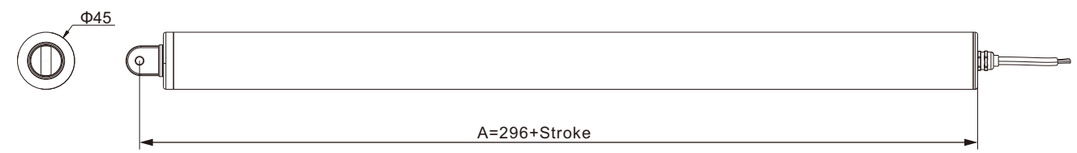
RF
remote control

Model	Rated Voltage	Rated Current	Rated power	Push and pull force	Speed	Stroke length	IP Class	Built-In Chip
AM36-D800N-300mm	DC 24V	1.3A	30W	800N	8mm/s	30mm	IP67	RF
AM36-D1200N-300mm	DC 24V	1.8A	45W	1200N	8mm/s	30mm	IP67	RF
AM36B-DT800N-300mm	DC 24V	1.3A	30W	800N	8mm/s	30mm	IP65	RF
AM36B-DT1200N-300mm	DC 24V	1.8A	45W	1200N	8mm/s	30mm	IP65	RF

AM46

Linear DC Motor





LOUVRE

DC Power

Built in synchronization

More than 10000 durability tests

IP67 protection level

Precision helical gear planetary reduction motor

RF
remote control

Model	Rated Voltage	Rated Current	Rated power	Push and pull force	Speed	Stroke length	IP Class	Built-In Chip
AM46-D1500N-300mm	DC 24V	1.5A	36W	1500N	4mm/s	30mm	IP67	RF
AM46-D2000N-300mm	DC 24V	1.8A	43W	2000N	4mm/s	30mm	IP67	RF
AM46B-DT1500N-300mm	DC 24V	1.5A	30W	1500N	4mm/s	30mm	IP65	RF
AM46B-DT2000N-300mm	DC 24V	1.8A	43W	2000N	4mm/s	30mm	IP65	RF

MOTORIZED FOLDING CANOPY

Folding canopy, using the motor to drive the aluminum alloy coil tube rotation, so that the fabric coiled on the coil tube extend and withdraw, while relying on the arm support rod within the spring force will make fabric taut.

The system has a maximum shading area of 50 square meters and an opening angle of 0~130 degrees, which can be operated by switch, remote control, wind and light control and other control methods. With comprehensive external sunshade function, it can completely block ultraviolet radiation, reduce indoor temperature and air-conditioning load, the awning has energy-saving effect, which is of great significance from the point of view of energy saving as well as environmental protection; at the same time of blocking the hot summer, it can make the strong sunlight reflected into the interior in the form of diffuse light to make the indoor light bright but not dazzling, and does not affect the view to outside. People's living space from the indoor extends to the outdoor, creating a new living space. Its sunshade fabric has a special anti-ultraviolet function, not only to keep the human skin from ultraviolet rays, but greatly extend the life time of interior decoration and furniture.

MOTORIZED FOLDING CANOPY BENEFITS

Ease of Use
A motorized folding canopy requires only the push of a button, controlling your louver via remote, smart phone or voice

Sensor Control
Motorized folding canopy will adjust automatically to weather conditions by Sun-light and wind sensors

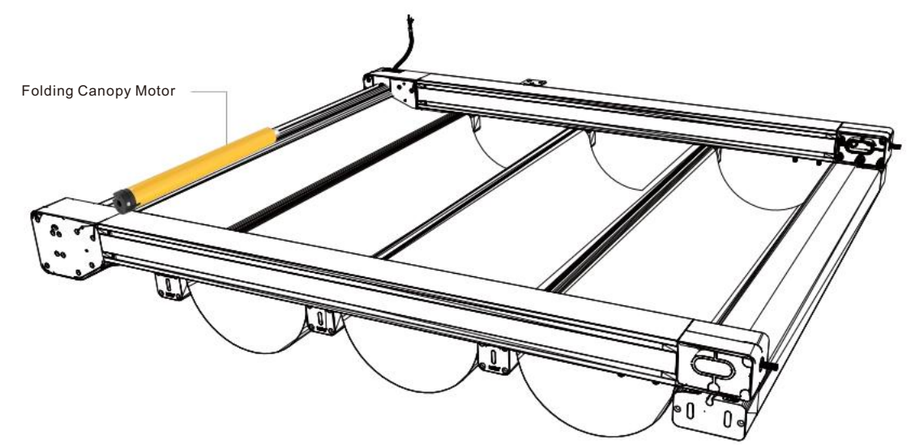
Provides Outdoor Comfort
A motorized folding canopy can make your outdoor entertaining area feel like another room in your home. With a fully enclosed outdoor area providing you outdoor comfort

Energy Savings
A motorized folding canopy provide great sun protection in summer

RECOMMENDED SOLUTION

01	Wired Folding Canopy AC Motor (AM66-60/15 (S-0719106))	Receiver	Remote	Adaptor	Crown	Bracket	Idle	Wired
	x1	x1	x1	x1	x1	x1	x1	
02	Radio Folding Canopy AC Motor (AM60-60/15-EL (S-0719085))	Remote	Adaptor	Crown	Bracket	Idle		Radio
	x1	x1	x1	x1	x1	x1		
03	Mechanical limit dual output shaft AC Motor	Receiver	Remote	Adaptor	Crown	Bracket	Idle	Radio
	x1	x1	x1	x1	x1	x1	x1	

STRUCTURE



*Select suitable motors for your folding canopy, please refer to the above chart according to your needs.
For more information, please check detailed technical parameters on motor pages.

*For accessories details please see page 149-156

RADIO EMITTERS

Hand-held Emitters

Wall Mounted Emitters

Garage Door Emitters

Hand-held Emitters

AC153

AC153-01

Hand-held 01-Channel Emitter

Battery type:	AAA LR03-1.5V
Emission current:	≤35mA
Transmitted power:	≤10mW
Emission frequency:	433.92MHz / 868MHz
RF Modulation mode:	ASK / FSK
Operating temperature:	-20°C~+55°C

AC153-03

Hand-held Day & Night Shades Emitter

Battery type:	AAA LR03-1.5V
Emission current:	≤35mA
Transmitted power:	≤10mW
Emission frequency:	433.92MHz / 868MHz
RF Modulation mode:	ASK / FSK
Operating temperature:	-20°C~+55°C

AC153-06

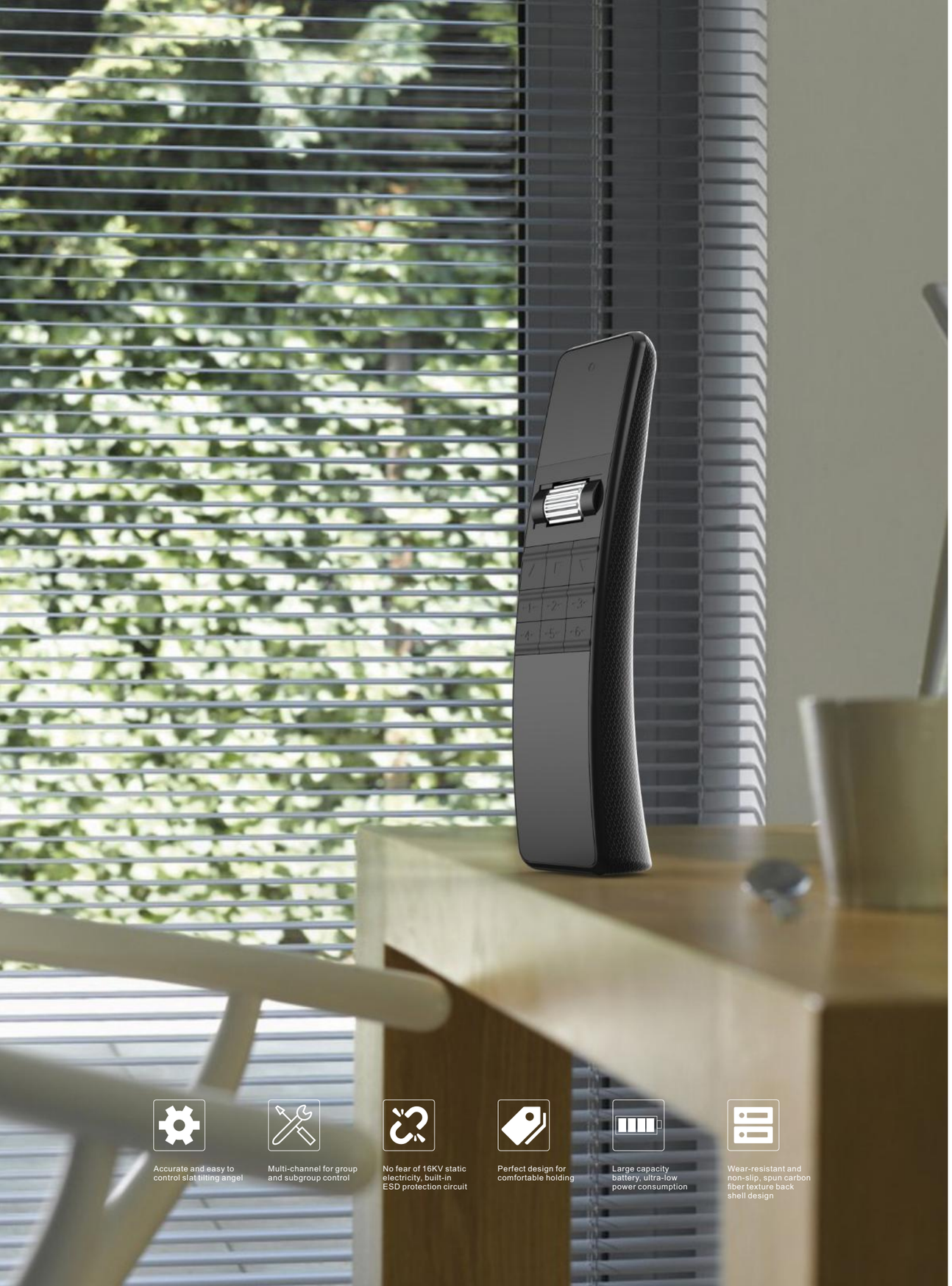
Hand-held 06-Channels Timing Emitter

Battery type:	AAA LR03-1.5V
Emission current:	≤35mA
Transmitted power:	≤10mW
Emission frequency:	433.92MHz / 868MHz
RF Modulation mode:	ASK / FSK
Operating temperature:	-20°C~+55°C

AC153-16

Hand-held 16 Channels Emitter

Battery type:	AAA LR03-1.5V
Emission current:	≤35mA
Transmitted power:	≤10mW
Emission frequency:	433.92MHz / 868MHz
RF Modulation mode:	ASK / FSK
Operating temperature:	-20°C~+55°C



Scroll wheel Emitter

AC152

AC152-06

Hand-held 06 Channels Emitter

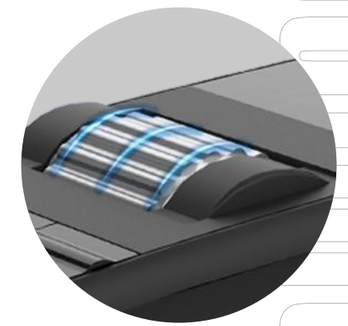
Battery type:	AAA X2(3V)
Emission current:	≤25mA
Transmitted power:	≤10mW
Emission frequency:	433.92MHz / 868MHz
RF Modulation mode:	ASK
Operating temperature:	-20°C~+55°C

AC152

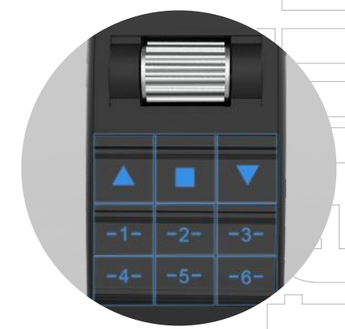
Sunshine room dedicated transmitter

Battery type:	AAA X2(3V)
Emission current:	≤25mA
Transmitted power:	≤10mW
Emission frequency:	433.92MHz / 868MHz
RF Modulation mode:	ASK
Operating temperature:	-20°C~+55°C

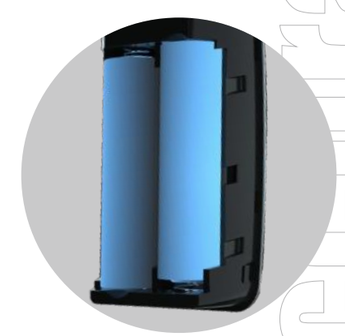
Accurate



Accurate Dimming



Reliable Mechanical Buttons



Low Power Consumption

- Follow simple trend design, with luxurious piano lacquer surface treatment to show honorable and elegant
- High hardness acrylic panel to ensure flawless appearance
- CR2032 button battery, easy to get and replace
- Ultra-long standby time, batteries last 2-3 years

Hand-held Emitters

AC123

AC123-01

Hand-held 01-Channel Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤25mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC123-02

Hand-held 02-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤25mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC123-06

Hand-held 06-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤25mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC123-16

Hand-held 16-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤25mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

- Stylish and elegant appearance can be applied to different decoration styles
- Ultra-low power design, high stability, strong anti-interference ability
- Universal CR2032 button battery, more convenient to install and purchase

Hand-held Emitters

AC157

AC157-01

Hand-held 01-Channel Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤20mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC157

Special transmitter for drying racks

Battery Type:	3V CR2032
Transmitting Current:	≤20mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC157-02

Hand-held 02-Channel Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤20mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC157-06

Hand-held 06-Channel Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤20mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

- Energy saving design, CR2450 battery support for 2 years working
- With capacitive touch panel, stronger anti-interference and higher stability
- RF transmitted power is 10mW, compatible with all A-OK RF receivers

Hand-held Emitters

AC140

AC140 -01/02/06/16 (Channel selection)

Hand-held Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz / 868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC140C -01/02/06/16 (Channel selection)

Hand-held Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz / 868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC140-L-XP -01/02/06/16-L-XP (Channel selection)

Waterproof transmitter (rechargeable)

Battery Type:	3.7V Li-ion(150mAh)
Transmitting Current:	≤40mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz / 868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

- With capacitive touch panel, stronger anti-interference and higher stability
- RF transmitted power is 10mW, compatible with all A-OK RF receivers
- Energy saving design, CR2450 battery support for 2 years working

Hand-held Emitters

AC141

AC141-01C

Hand-held 01-Channel Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz / 868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC141-02C

Hand-held 02-Channels Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz / 868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC141-06C

Hand-held 06-Channels Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz / 868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC141-16C

Hand-held 16 Channels Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz / 868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

- Follow simple trend design, with luxurious piano lacquer surface treatment to show honorable and elegant
- Magnet mounting holder, easy to install
- High hardness acrylic panel to ensure flawless appearance
- CR2032 button battery, easy to get and replace
- Ultra-long standby time, batteries last 2-3 years

Hand-held Emitters

AC127

AC127-01

Hand-held 01-Channel Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC127-02

Hand-held 02-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC127-06

Hand-held 06-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC127-16

Hand-held 16-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

- Built-in 3.7V rechargeable Li-ion battery and with USB-C charging port
- Follow simple trend design, with luxurious piano lacquer surface treatment to show honorable and elegant
- Magnet mounting holder, easy to install
- High hardness acrylic panel to ensure flawless appearance

Rechargeable Hand-held Emitters

USB-C

AC127L

AC127-01L

Hand-held 01-Channel Emitter

Battery Type:	3.7V Li-ion Battery
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC127-02L

Hand-held 02-Channels Emitter

Battery Type:	3.7V Li-ion Battery
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC127-06L

Hand-held 06-Channels Emitter

Battery Type:	3.7V Li-ion Battery
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

AC127-16L

Hand-held 16-Channels Emitter

Battery Type:	3.7V Li-ion Battery
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz/868MHz
RF Modulation Mode:	ASK / FSK
Working Temp:	-20°C~+55°C

- Energy saving design, CR2450 battery support for 2 years working
- Stronger anti-interference and higher stability
- RF transmitted power is 10mW, compatible with all A-OK RF receivers

Hand-held Emitters

AC136

AC136-01-CA (Awning)

Hand-held 01-Channel Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	868MHz
RF Modulation Mode:	FSK
Working Temp:	-20°C~+55°C

AC136-01

Hand-held 01-Channel Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC136-02

Hand-held 02-Channels Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC136-05-CA (Awning)

Hand-held 05-Channels Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	868MHz
RF Modulation Mode:	FSK
Working Temp:	-20°C~+55°C

AC136-05-CAL (Awning+LED)

Hand-held 05-Channels Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤30mA
Transmitting Power:	≤10mW
Frequency:	868MHz
RF Modulation Mode:	FSK
Working Temp:	-20°C~+55°C

AC136-06

Hand-held 06-Channels Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC136-16

Hand-held 16 Channels Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

Wall-mounted Emitters

AC133

- Classic black and white color combination.
- Housing surface with piano lacquer craft.
- Surface moisture-proof treatment.
- With 3M adhesive tape to avoid damage to the wall.

AC133-01

Wall-mounted 01-Channel Emitter

Battery Type:	3V CR2302
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC133-02

Wall-mounted 02-Channels Emitter

Battery Type:	3V CR2302
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC133-05

Wall-mounted 05-Channels Emitter

Battery Type:	3V CR2302
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

- Classic black and white color combination, simple and fancy
- Housing surface with piano lacquer craft to show texture
- Surface moisture-proof treatment
- With 3M adhesive tape to avoid damage to the wall

Wall-mounted Emitters

AC134

AC134-01

Wall-mounted 01-Channel Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC134-02

Wall-mounted 02-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC134-06

Wall-mounted 06-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

- Classic black and white color combination, simple and fancy
- Housing surface with piano lacquer craft to show texture
- Surface moisture-proof treatment
- With 3M adhesive tape to avoid damage to the wall

Wall-mounted Emitters

AC135

AC135-01

Wall-mounted 01-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC135-02

Wall-mounted 02-Channels Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤18mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

Wall-mount Timer Emitter

AC151

- Fashionable and elegant style design for various decoration
- Luxurious piano lacquer surface treatment, honorable and elegant
- Universal CR2450 button battery, convenient for replacement
- Six channel with timer function, three working mode available
- All settings will be retained even when power off and on again

AC151-06 screen display and button function

AC151-06

Wall-mounted 06-Channels Timer Emitter

Battery Type:	3V CR2450
Transmitting Current:	≤20mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

Wall-mounted Emitters

AC125/AC126

- Built in light guide makes indicator light soft and user comfort
- Acrylic face cover, scratching protection
- 3M adhesive tape and screw type for optional for installation
- Energy saving design, battery life is 2-3 years
- Built in silk print, simple and generous

AC125-01

Wall-mounted 01-Channel Emitter

Battery Type:	3V GP 27A 12V
Transmitting Current:	≤10mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

AC126-01

Wall-mounted 02-Channels Emitter

Battery Type:	3V GP 27A 12V
Transmitting Current:	≤10mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

Portable Emitter

AC116-03

Portable Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤10mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

- With key ring, easy to take
- Sliding cover prevent of wrong operation
- Low power consumption design, battery life 2-3 years
- Multi mode program to meet the maximum use requirements

AC129-01/04

Portable Emitter

Battery Type:	DC3.7V
Transmitting Current:	≤10mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

- Small and exquisite design, easy for carrying
- The surface is porcelain whitening technology, the cover is anti-scratching
- Rechargeable lithium battery built inside
- General USB interface, easy for charging
- Optional for 1 and 4 channels

AC124-01

Wireless Safety Edge Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤10mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

- Waterproof design, IP65 Class
- Exquisitely shaped, anti-pry protection function
- Rebound/stop is optional
- Low voltage alarm
- CR2032 button battery
- Ultra low standby power consumption design, the battery

AC12-01

Portable Emitter

Battery Type:	3V CR2032
Transmitting Current:	≤10mA
Transmitting Power:	≤10mW
Frequency:	433.92MHz
RF Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

- Patent design, Fashionable and elegant
- Low power consumption
- 15S Key locking function, prevent of wrong operation
- Emergency unlocking stop function in case any of accident
- With key ring, easy to take
- CR2032 button battery

RADIO RECEIVERS

Wall Mounted Radio Receiver

External Radio Receiver

External Mini/Waterproof
Radio Receiver

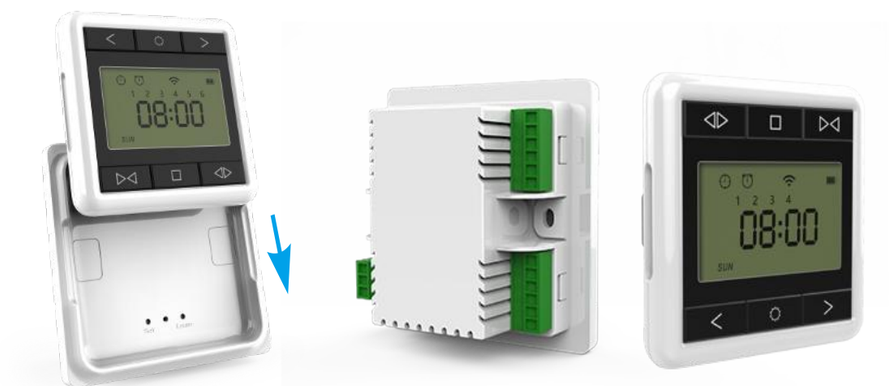
Garage Door Controller

Pergola Controller

- AC100-240V wide range voltage input, DC24V output
- Work with 4pcs A-OK DC motors each with current below 1A
- Control options of switch control, timer control, remote and RS485 interface control
- Superheterodyne mudule used for more receiving sensitivity
- Industrial type of CPU has a steady function
- Plastic housing use fireproof material for safety application
- 5 minutes continuous operation time

4 Routes Radio Timer Receiver

AC287



AC287-01

Wall Mounted Radio Receiver

Input Voltage:	100V-240V AC
Control Mode:	RF Remote Control / RS485
Frequency:	433.92MHz
Loading Power:	24V*1A(4 Routes)
Receiving Sensitivity:	≥-110dBm
Working Temp:	-20°C~+55°C

Wall Mounted Radio Receiver

AC227/AC228

AC227-01

Single-route AC motor receiver

Input Voltage:	AC220-240V 50/60Hz
Frequency:	433.92MHz
Modulation Mode:	ASK
Output load:	⩽ 500W

AC227-13

Single-route DC motor receiver

Input Voltage:	AC100-240V 50/60Hz
Frequency:	433.92MHz
Modulation Mode:	ASK
Output load:	DC24V, 7A

AC228-01

Double-routes AC motor receiver

Input Voltage:	AC220-240V 50/60Hz
Frequency:	433.92MHz
Modulation Mode:	ASK
Output load:	500W x 2

AC228-05

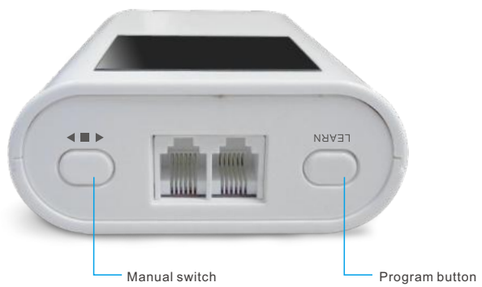
Double-routes DC motor receiver

Input Voltage:	AC100-240V 50/60Hz
Frequency:	433.92MHz
Modulation Mode:	ASK
Output load:	DC24V, 1A X 2

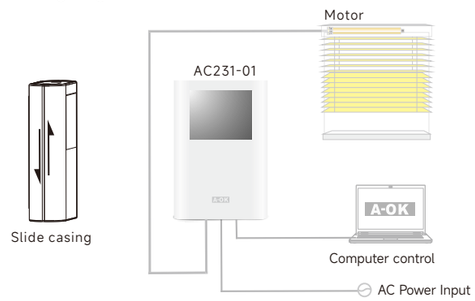
External Radio Receiver

AC231

- Simple design, suitable for many different decorations
- Fire proof and ultraviolet rays material, have flame retardant and anti aging features
- Adopt slide cover installation, more easy and effective; standard 6P connector, accept RS485/232,and 3/4 wire dry contact
- Superheterodyne mudule used for more receiving sensitivity
- Can change the working direction by manual switch on receiver or remote
- Wire with external 12V wind sensor or photocell



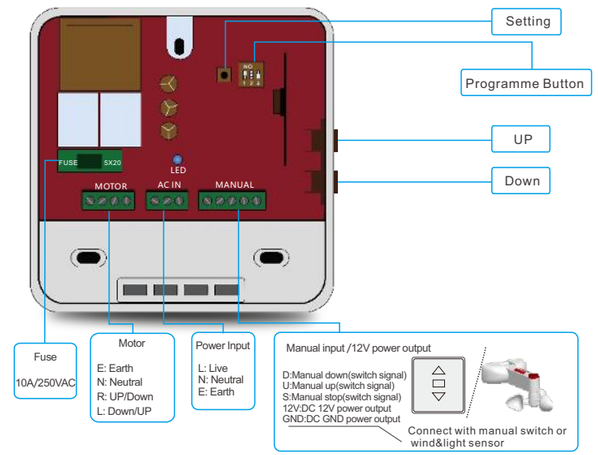
Wiring diagram



External Radio Receiver

AC252

- Fancy and modern design
- Available to connect external manual switch , flexible and convenient
- Design with super heterodyne module, sensitivity is -110dBm
- Industrial grade CPU for more steady function
- Fire-proof material for safe use
- Power supply is safe, output time is 5 minutes



AC231-01

External Radio Receiver

Working Voltage:	AC220-240V 50/60Hz
Working Frequency:	433.92MHz
Loading Power:	⩽ 500W
Working Temp:	-20°C~+55°C

AC252-01

External Radio Receiver

Working Voltage:	AC230V / AC120V
Working Frequency:	433.92MHz
Modulation Mode:	ASK
Working Temp:	-20°C~+55°C

Radio Receiver for Outdoor Venetian Blind Drive

AC268

- Mini size, can be placed inside of the track of Venetian blind system
- Hirschmann plug, confirm to requirements of installation and certification
- IP54 for outdoor installation
- Dimming by inching meets different needs for dimming from customers

AC268-01

Radio Receiver for Outdoor Venetian Blind Drive

Working Voltage:	AC100-240V 50/60Hz
Working Frequency:	433.92MHz
Receiving Sensitivity:	≤110dBm
Working Temp:	-20°C~+55°C

- Mini size, can be placed inside of the track of Venetian blind system
- Hirschmann plug, confirm to requirements of installation and certification
- IP54 for outdoor installation
- Dimming by inching meets different needs for dimming from customers

AC268-01-Z

ZigBee Radio Receiver for Outdoor Venetian Blind Drive

Working Voltage:	AC100-240V 50/60Hz
Working Frequency:	868MHz
Receiving Sensitivity:	≤110dBm
Working Temp:	-20°C~+55°C

- Mini size, can be placed inside of the track of Venetian blind system
- IP54 for outdoor installation
- Dimming by inching meets different needs for dimming from customers

AC268-02

Radio Receiver for Outdoor Venetian Blind Drive

Working Voltage:	AC100-240V 50/60Hz
Working Frequency:	433.92MHz
Receiving Sensitivity:	≤110dBm
Working Temp:	-20°C~+55°C

Radio Receiver

AC212/AC226

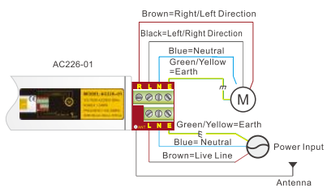
- Suitable for 76mm*76mm wall type mounting
- Radio control or manual switch control
- Work with motor power below 300W
- Quicker and easier wiring, clamp type terminals
- Shock-proof Tv5 level relay
- SMT automatically assembly, damp-proof craft

AC212-03

European Style Radio Receiver

Working Voltage:	230V AC 50Hz
Working Frequency:	433.92MHz
Loading Power:	⩽ 300W
Working Temp:	-40°C~+85°C
Sensitivity:	-110dBm
Operation:	Remote / Manual

- Mini size, can be easily hidden
- Fully sealed design, waterproof IP65 level
- Plastic sealed transformer, more stable
- Shock proof relay, work with motor power under 500w
- Reliable and high interference resistance
- SMT assembly, damp-proof on surface



AC226-01

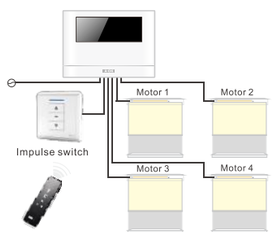
Waterproof Radio Receiver

Working Voltage:	230V AC / 120V AC
Working Frequency:	433.92MHz
Loading Power:	⩽ 500W
Working Temp:	-40°C~+85°C
Sensitivity:	-110dBm
Protection Level:	IP55

Group Controller

AC408/AC405

- Radio receiver and group controller together
- Connect with 4 motors individual and group control
- Individual switch, group switch, local switch and master switch for various applications
- Rs485 interface for building control
- UV and fire proof ABS plastic material
- Industry level CPU, with temperature -40 ~ +85

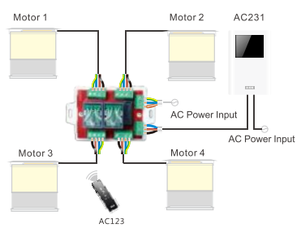


AC408-02

Four Routes Group Controller

Working Voltage:	230V AC / 120V AC
Working Frequency:	433.92MHz
Loading Power:	500W x 4
Working Temp:	-40°C~+85°C

- Fancy shape, simple and generous
- Connect with 4 motors for group control
- Wire with external switch or external radio receiver
- Industry relays for big capacity
- PCB and housing adopt UL-94 fire proof material



AC405-01

Group Controller

Working Voltage:	230V AC / 120V AC
Working Frequency:	433.92MHz
Loading Power:	500W x 4
Working Temp:	-40°C~+85°C

Garage Door Controller

AC277/AC249

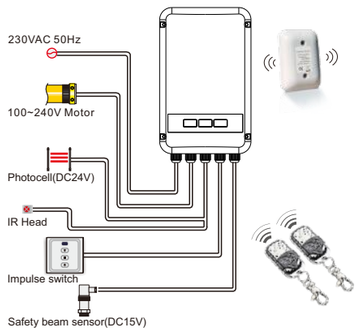
- Be convenient to use on night with built-in lamp
- Support for wiring with external photocell and safety eadge device
- Overloading protect & can connect manual switch
- Auto setting running time (1-90S)
- Auto setting close door time (1-180S after the door fully opened)
- Protection Level IP44
- Fire prevention UL94 V-0,UV resistance

AC277

Garage Door Controller(Built-in Lamp)

Working Voltage:	230V AC 50/60Hz or 120V AC 60Hz
Working Frequency:	433.92MHz
Loading Rate:	Motor≤500W Light≤100W
Working Temp:	-20℃~+55℃
IP Class:	IP44

- With LED light, can be use at night
- Support for wiring with external photocell and safety edge device
- Over loading protect & can connect manual switch
- Auto setting running time (1-90S)
- Auto setting close door time (1-180S after the door fully opened)
- Protection Level IP56
- UV resistant and fire proof plastic housing



AC249-01

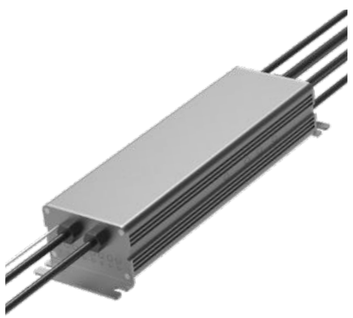
Garage Door Controller(Built-in Lamp)

Working Voltage:	230V AC / 120V AC
Working Frequency:	433.92MHz
Loading Power:	Motor≤500W；Lamp≤100W
Working Temp:	-20℃~+55℃
IP Class:	IP56

Pergola Controller

AC292/AC226

- Daily electricity design is convenient to use
- Waterproof quick plug with high power output
- Fully sealed and waterproof treatment of the shell
- Long service life, UV resistant design
- The receiving sensitivity reaches -110dBm
- Built in superheterodyne receiver module



AC292

Sunshine room controller（AC）

Model No:	AC292-02-W	AC292-02-RGB
Input Voltage:	AC 100-240V/50-60Hz	AC 100-240V/50-60Hz
RF Frequency:	433.92MHz	433.92MHz
Modulation Mode:	ASK	ASK
IP Class:	IP65	IP65
Working Temp:	-20℃~+65℃	-20℃~+65℃
LED Output:	LED_W Monochromatic white light strip 300W/24VDC	LED-RGB Tri color LED strip 100W Per channel×3/24VDC

- Precision SMT process, surface moisture-proof treatment
- Sealed box structure, suitable for outdoor equipment
- Using relays with strong resistance to current surges
- Powered by a sealed transformer with stable performance
- Adopting the latest GaN gallium nitride power technology
- Motor direction switching function; Can easily switch the direction of motor operation
- Power failure memory function, automatically saves function parameters after power failure
- Built in superheterodyne receiver module, with long remote control distance, strong anti-interference ability, and a receiving sensitivity of -110dBm

AC226

Sunshine room controller

Model No:	AC226-01	AC226-02	AC226-03	AC226-AC
Input Voltage::	DC 24V	DC 24V	DC 24V	AC 220V 50Hz
Input Power:	800W	900W	1.2KW	/
RF Frequency:	433.92MHz	433.92MHz	433.92MHz	433.92MHz
Modulation Mode:	ASK	ASK	ASK	ASK
IP Class:	IP65	IP65	IP65	IP65
LED Output:	DC 24V/800W	DC 24V/800W	DC 24V/800W	DC 24V/60W
Working Temp:	-20℃~+65℃	-20℃~+65℃	-20℃~+65℃	-20℃~+65℃

Pergola Controller

AC296/AC297

- Daily electricity design, easy to use
- Waterproof treatment and UV protection design for the shell
- The shell is made of black aluminum alloy, with a long service life, safe and reliable
- Simple and atmospheric appearance
- Built in superheterodyne receiver module
- The receiving sensitivity reaches -110dBm

AC296

Lithium battery sunroom controller（DC）

Input Voltage:	DC 24V
Control method:	RF Remote Control
RF Frequency:	433.92MHz
Modulation Mode:	ASK
Sensitivity:	-110dBm
DC motor output:	DC 24V
LED Output:	DC 24V
LED Power:	100W
Working Temp:	-20℃~+65℃
Operating time:	5min

- Supports WiFi, BLE, and Zigbee
- Support external wired control panel
- External independent wired temperature sensor
- Support external wired wind, solar, and rain sensors
- Adopting the latest third-generation SiC silicon carbide high-power power supply technology
- External function setting switch and OTA program upgrade function, supporting customized programs

AC297

Sunshine room controller

Model No:	AC297-03-W-US	AC297-03-RGB-US	AC297-03-W-EU	AC297-03-RGB-EU	AC297-07
Input Voltage::	AC 110V/60Hz	AC 110V/60Hz	AC 230V/50Hz	AC 230V/50Hz	AC 100V-240V/50-60Hz
RF Frequency:	433.92MHz	433.92MHz	433.92MHz	433.92MHz	433.92MHz
Modulation Mode:	ASK	ASK	ASK	ASK	ASK
IP Class:	IP65	IP65	IP65	IP65	IP65
Working Temp:	-20℃~+65℃	-20℃~+65℃	-20℃~+65℃	-20℃~+65℃	-20℃~+65℃
LED Output:	LED-W Monochromatic white light strip 150W/24VDC	LED-RGB Tri color LED strip 150W/24VDC	LED-W Monochromatic white light strip 150W/24VDC	LED-RGB Tri color LED strip 150W/24VDC	LED-W Monochromatic white light strip 200W/24VDC LED-RGB Tri color LED strip 100W Per channel×3/24VDC

SENSORS

AC301 Wind/Light/Rain Sensor

AC302 Wind/Light/Rain Sensor

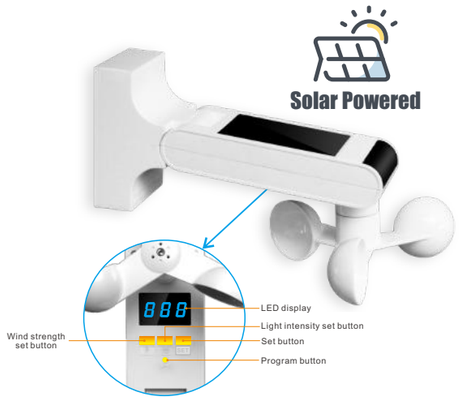
AC303 Wind Sensor

AC131 Light Sensor

Wind/Light Sensor

AC302

- UV resistance housing, suitable for outdoor application
- Flexible structure design for wind sensor part to ensure the high sensitivity
- Auto checking the wind, light value transmitting to motor/main controller to opening or closing the awning/screens
- Available to set the sensitivity according to the weather or climate, flexibility in setting the wind level and light intensity,Sensitivity,available to set 1-9 levels sensitivity of the wind Strength and light intensity according to climate
- When sun ray intensity reaches the set value, the awning will automatically open
- When wind intensity reaches the set value, the awning will automatically close
- Suitable for electric awning and electric shutter and sun protection products



AC302-01

Wireless Wind/Light Sensor

Working Voltage:	3.7V DC lithium battery powered solar panel
Working Temp:	-20°C ~ +55°C
Frequency:	433.92MHZ
Transmitting Power:	< 10dBm
IP Class:	IP55
Modulation:	ASK

AC302-02

Wireless Wind/Light Sensor

Working Voltage:	230V AC
Working Temp:	-20°C ~ +55°C
Frequency:	433.92/868.47MHZ
Transmitting Power:	< 10dBm
IP Class:	IP55
Modulation:	ASK/FSK

Wind/Light/Rain Sensor

AC302

- Customers can flexibly set the wind speed level, light intensity, and rainfall amount according to the characteristics of their surrounding environment to achieve the best state
- When the wind speed reaches the set value, the electric sunshade will automatically retract to protect the sunshade
- When the intensity of sunlight reaches the set value, the electric sunshade automatically opens to provide shade
- The wind sensing part of the bearing adopts in mold injection molding technology to reduce friction and have high sensitivity
- Automatically detect wind and light intensity, and implement related automation control
- The shell material is resistant to ultraviolet radiation and meets outdoor usage conditions
- Suitable for products such as electric sunshades and electric rolling shutter windows
- Wind speed, lighting, rain sensing gear and size can be set
- Compatible with any wireless receiving system from A-OK

AC301

Wireless Wind/Light/Rain Sensor

Working Voltage:	12V DC
Working current:	< 10uA
Frequency:	433.92MHZ
Transmitting Power:	< 10dBm
IP Class:	IP65
Working Temp:	-20°C ~ +65°C

AC302-03-Bi

Wireless Wind/Light/Rain Sensor

Working Voltage:	100V~240V AC
Working Temp:	-20°C ~ +65°C
Frequency:	868MHZ
Transmitting Power:	≤10dBm
IP Class:	IP55
Working current:	< 30mA

Wind Sensor

AC303

- The shell is made of anti-ultraviolet radiation ABS material
- The wind strength is designed to be adjustable from level 1 to 9, and level 1 has the highest sensitivity
- Use two AAA batteries，low power consumption design for long time usage
- The shell structure is designed to be waterproof IP65, and the excellent for outdoor application
- The wind sensor is installed on the front bar of the awning. And it's detecting the wind strength value, if the wind blow over the preset value, it would send commands to the awning motor to withdraw the awning fabric for preventing of damage.

AC303-01

Wireless Wind Sensor

Working Voltage:	3V DC
Working Temp:	-40℃~+85℃
Frequency:	433.92/868.47MHZ
Transmitting Power:	≤10mW
Working Current:	10mA
Standby Current:	1μA
Operation Mode:	Automatic emission
Modulated Mode:	FSK

Light sensor

AC131

- Built-in solar panel, energy saving and environmental protection. The battery can be charged at the same time
- With USB interface, built-in charge management function, when there is no solar battery voltage is not enough for a long time, you can quickly charge the battery through the USB interface
- Vibration detection function, when the glass is detected when the alarm signal, to achieve anti-theft function
- It is equipped with a power switch, which can be turned off when not used for a long time to extend the battery service time
- Test mode and working mode selection, the test mode is opened when demonstrating the function, and the response is very fast
- Summer mode and winter mode selection, summer when the light is too strong hope to close the curtain to avoid glare
- Ultra low standby power consumption design, the battery
- In winter, the sun's light is soft, and I hope to open the window to increase the indoor brightness
- Compatible with all A-OK products

AC131-01

Light sensor

Battery Capacity:	150mAh/3.7V
Working Current:	< 10uA
Frequency:	433.92Mhz
Transmitting Power:	< 10dBm
Charging Voltage:	5V DC
Modulated Mode:	ASK
Adapter:	5V/1A
Charging Interface:	Mirco USB

SOLAR PRODUCTS

AC601 Solar Panel

AC605 Solar Panel

AC701 Lithium Battery Wand

AC705 Ni-MH Battery Wand

- Solar energy convert into electricity effective rate is over 19%
- Pouring sealant for production, anti-UV material for cable
- Adhesive tape or screw type installation for optional
- Less thickness, free to adhesive and well-fitted

Solar Panel

AC601/AC605

AC601-01

Solar Panel

Power:	1W(±5%)
Open circuit voltage:	18V
Short circuit current:	0.095A
Working Voltage:	12V
Working Current:	0.08A
Battery chip size:	375 x 50(±0.3)x 3.2mm
Test Condition:	AM1.5, 1000W/m²25°c

AC605-01

Solar Panel

Power:	3.5W(±5%)
Open circuit voltage:	21.5V
Short circuit current:	0.208A
Working Voltage:	18V
Working Current:	0.194A
Battery chip size:	450 x 60(±0.3)x 5mm
Test Condition:	AM1.5, 1000W/m²25°c

AC605-03

Solar Panel

Power:	4.7W
Open circuit voltage:	19.8V
Short circuit current:	0.29A
Working Voltage:	17V
Working Current:	0.276A
Battery chip size:	600x62x4.4mm
Test Condition:	AM1.5, 1000W/m²25°c

AC605-04

Solar Panel

Power:	7W
Open circuit voltage:	19.84V
Short circuit current:	0.432A
Working Voltage:	17V
Working Current:	0.412A
Battery chip size:	600x90x4.2mm
Test Condition:	AM1.5, 1000W/m²25°c

- Work with A-OK solar powered DC low-power consumption motors
- Built-in 14.8V 4400mAh lithium battery, can cycle charge and discharge 500 times
- Charged by electricity charger or solar panel
- It will take 6 hours for charging fully
- Full charged supports 160 cycle of motor running

Battery Wand

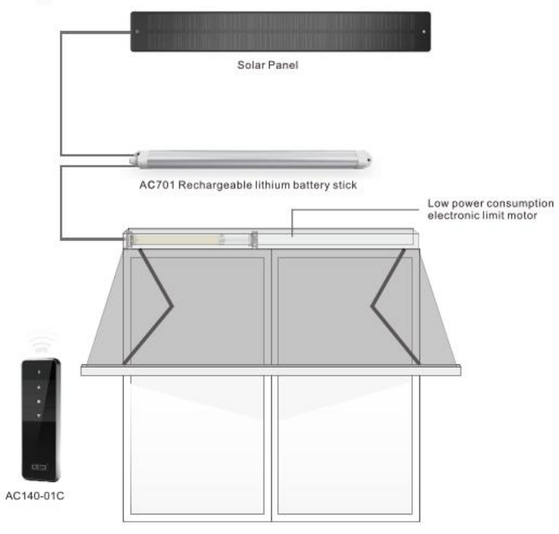
AC701

AC701-01

Lithium battery stick

Working Voltage:	DC 14.8V
Working Current:	7A
Capacity:	4400mA/H
Working Temp:	-20°C+55°C

Application



- Mainly work with solar panel, A-OK DC tubular motor
- Built-in 12V 2800/4000mAh lithium battery
- Charged by electricity charger or solar panel
- Full charged supports 160 cycles of motor running

Battery Wand

AC705

AC705-01

Ni-MH battery stick

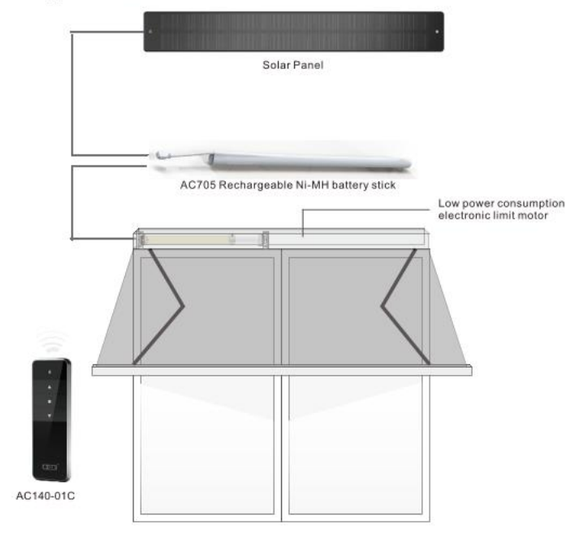
Working Voltage:	12V DC
Working Current:	1.3A
Capacity:	2800mA/H
Working Temp:	-10°C+60°C

AC705-02

Ni-MH battery stick

Working Voltage:	12V DC
Working Current:	1.3A
Capacity:	4000mA/H
Working Temp:	-10°C+60°C

Application



SMART-HOME HUB

AC520 Wi-Fi RF Hub

AC520 Wi-Fi RF USB Hub

AC526 ZigBee Hub

AC527 ZigBee+Matter Hub

- Upgrade experience from product island to Internet interconnection
- Secure and stable intelligent cloud service that supports tens of millions of concurrency
- Standardized, customizable and scalable intelligent interaction

WI-Fi Hub

AC520

AC520-02

WI-Fi Hub

Size:	70.5×70.5×26.5mm
Receiver Frenquency:	433.92MHz
WiFi Frequency:	2.4G Hz
Rated Current:	<300mA
Modulation:	ASK
Power Supply:	5V DC / 1A
Working Temp:	-20℃-+55℃
Receiving Sensitivity:	Max 20dbm

AC520-03

Wi-Fi RF USB Hub

Size:	83×31×10 mm
Receiver Frenquency:	433.92MHz
WiFi Frequency:	2.4G Hz
Rated Current:	<300mA
Modulation:	ASK
Power Supply:	5V DC / 1A
Working Temp:	-10℃-+45℃
Receiving Sensitivity:	Max 20dbm

- Upgrade experience from product island to Internet interconnection
- Secure and stable intelligent cloud service that supports tens of millions of concurrency
- Standardized, customizable and scalable intelligent interaction

ZigBee/Matter Hub

AC526/AC527

AC526

ZigBee Hub

ZIGBEE

Size:	60×60×15mm
Receiver Frenquency:	2.4GHz
Rated Current:	<300mA
Power Supply:	5V DC / 1A
Working Temp:	-10℃-+45℃
Receiving Sensitivity:	Max 20dbm

AC527

Matter Hub

MATTER ZIGBEE

Size:	90×90×23mm
Receiver Frenquency:	2.4GHz
Rated Current:	<300mA
Power Supply:	5V DC / 1A
Working Temp:	-10℃-+45℃
Receiving Sensitivity:	Max 20dbm

SWITCHES

Mechanical Switch

Low Voltage Switch

Mechanical Switch

AC513/AC514

AC513-01

Mechanical 01-Channel Switch

Max Current:	10A
Switch Voltage:	250V
Working temp:	-20°C~+55°C

AC513-02

Mechanical 02-Channels Switch

Max Current:	5A
Switch Voltage:	30V DC
Working temp:	-20°C~+55°C

AC514-01

Impluse 01-Channel Switch

Max Current:	10A
Switch Voltage:	Max 30V DC
Working temp:	-20°C~+55°C

AC514-02

Impluse 02-Channels Switch

Max Current:	10A
Switch Voltage:	Max 30V DC
Working temp:	-20°C~+55°C

AC514-03

Impluse 03-Channels Switch

Max Current:	10A
Switch Voltage:	Max 30V DC
Working temp:	-20°C~+55°C

Low Voltage Switch

AC525-01/02

AC525-01

Low Voltage 01-Channels Switch

Max Current:	24V/12V/5V/3.3V DC
Switch Voltage:	12V 50mA
Working temp:	-20°C~+55°C

AC525-02

Low Voltage 02-Channels Switch

Max Current:	24V/12V/5V/3.3V DC
Switch Voltage:	12V 50mA
Working temp:	-20°C~+55°C

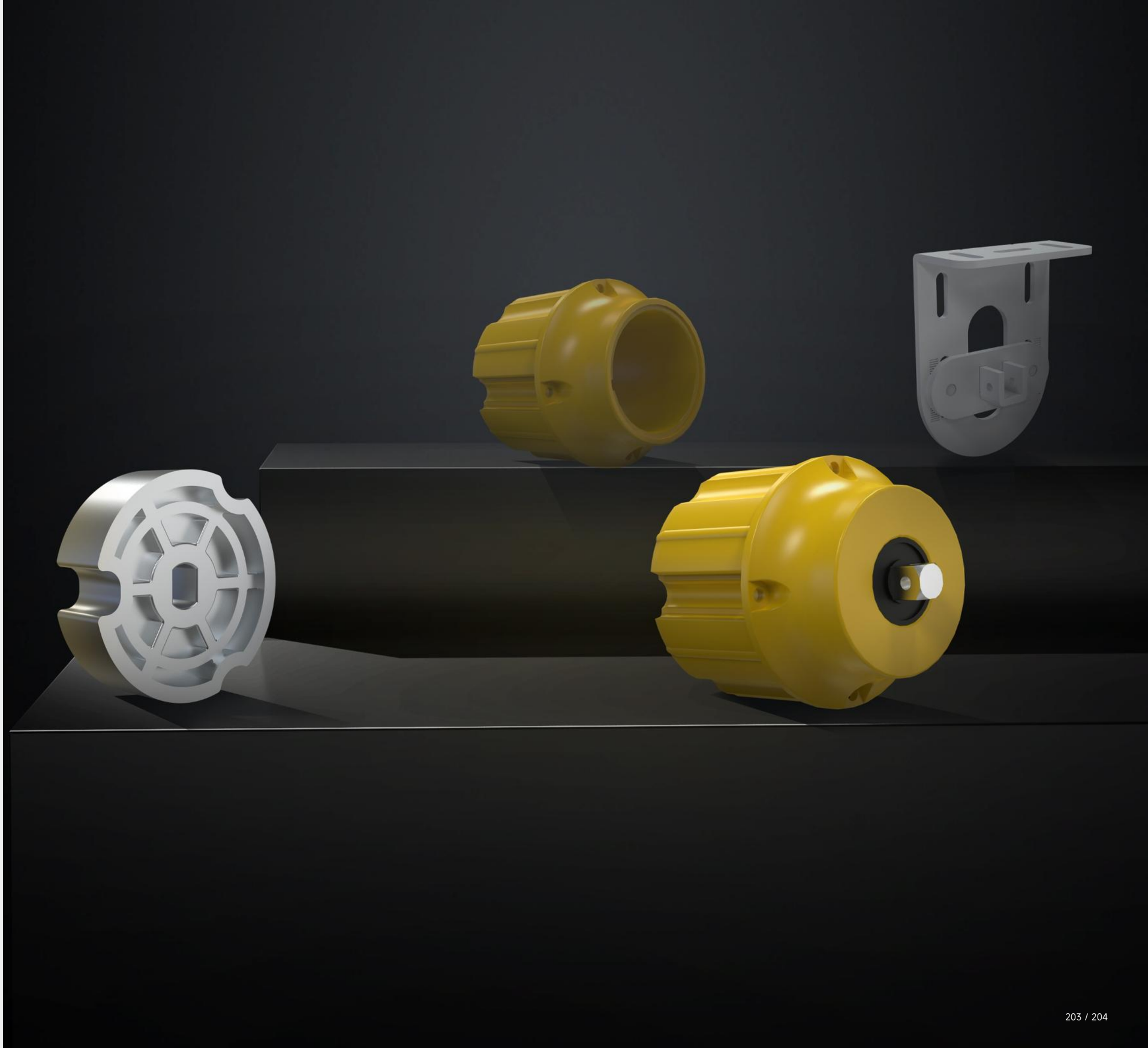
ACCESSORIES

Crown

Adaptor

Idler

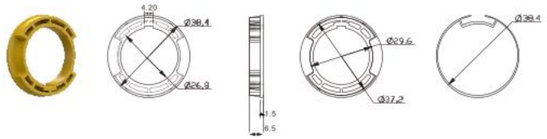
Bracket



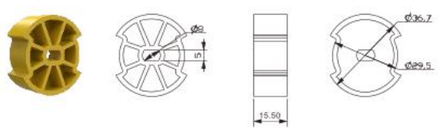
Crown / Adaptor / Idle

Φ38TUBE / Equipped with 25 motors

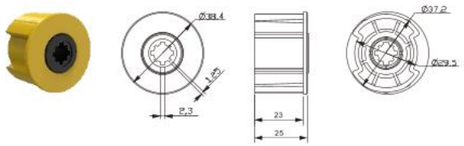
Crown



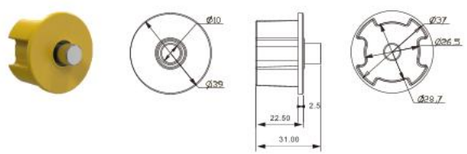
Drive - Flat Head



Spline tail plug

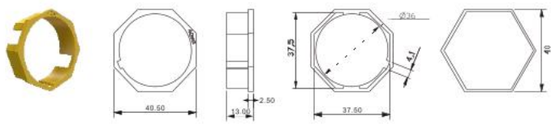


Rubber round shaft tail plug

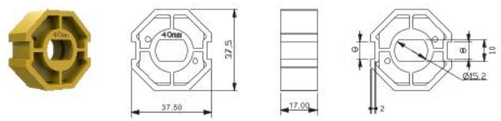


Φ40TUBE (Inner octagon) / Equipped with 35 motors

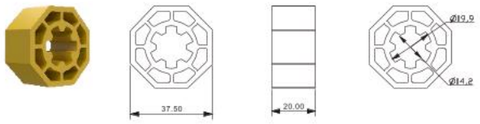
Crown



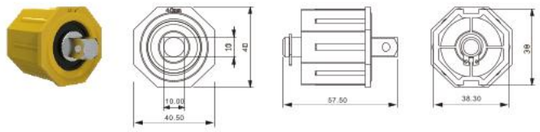
Drive - Flat Head



Drive - Little Plum Blossom

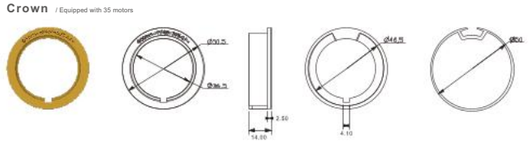


Tail plug

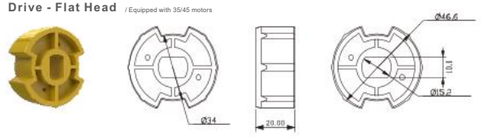


Φ50TUBE

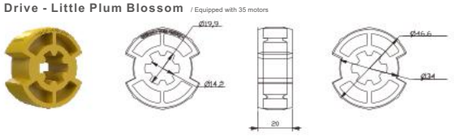
Crown / Equipped with 35 motors



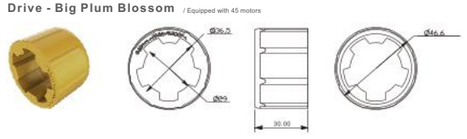
Drive - Flat Head / Equipped with 35/45 motors



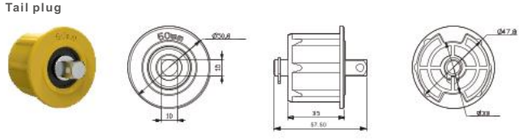
Drive - Little Plum Blossom / Equipped with 35 motors



Drive - Big Plum Blossom / Equipped with 45 motors

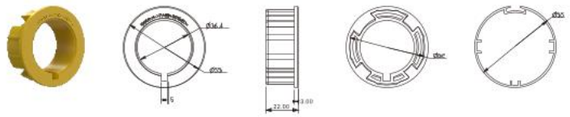


Tail plug

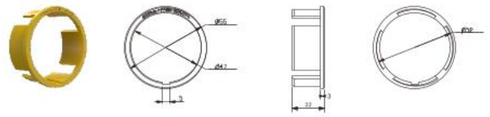


Φ55TUBE

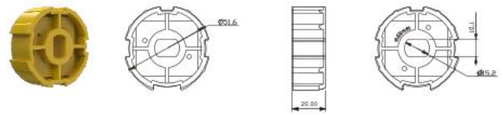
Crown / Equipped with 35 motors



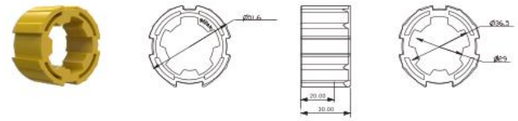
Crown / Equipped with 45 motors



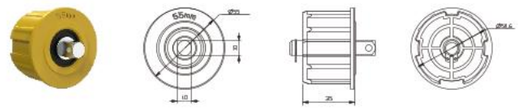
Drive - Flat Head / Equipped with 35/45 motors



Drive - Big Plum Blossom / Equipped with 45 motors

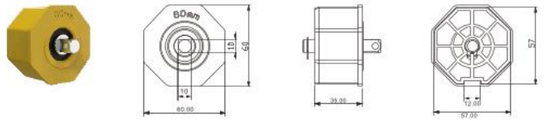


Tail plug / Equipped with one 6000-ZZ bearing

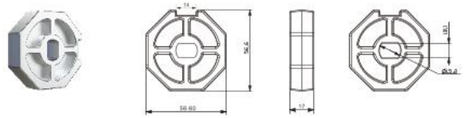


Φ60TUBE

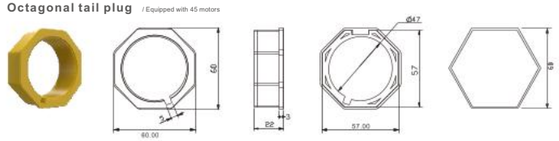
Octagonal tail plug / Equipped with one 6000-ZZ bearing



Drive - Octagonal Flat Head / Equipped with 35/45 motors / zinc alloy

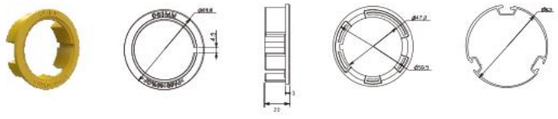


Octagonal tail plug / Equipped with 45 motors

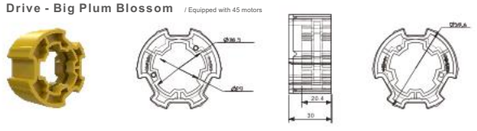


Φ63TUBE

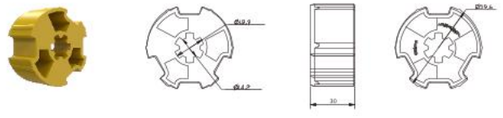
Crown / Equipped with 45 motors



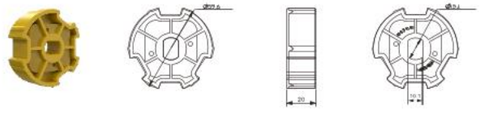
Drive - Big Plum Blossom / Equipped with 45 motors



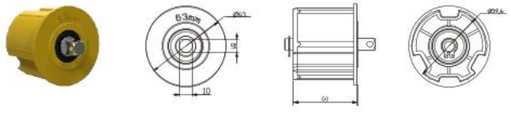
Drive - Little Plum Blossom / Equipped with 35 motors



Drive - Flat Head / Equipped with 35/45 motors



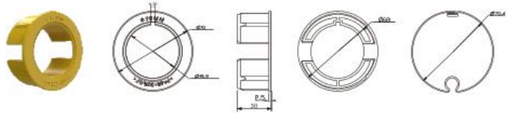
Tail plug / Equipped with two 6000-ZZ bearings



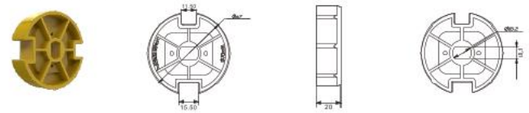
Crown / Adaptor / Idle

Φ70TUBE / Equipped with 45 motors

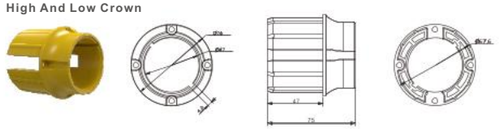
Crown



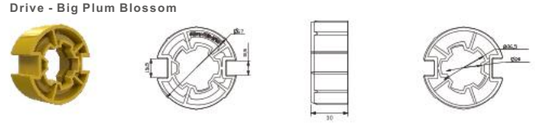
Drive - Flat Head



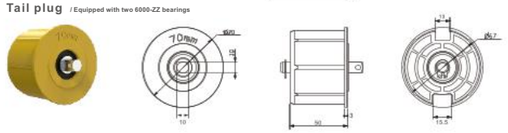
High And Low Crown



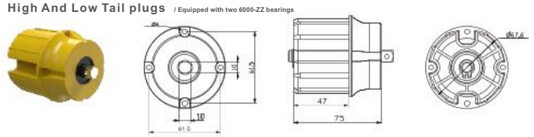
Drive - Big Plum Blossom



Tail plug / Equipped with two 6000-ZZ bearings

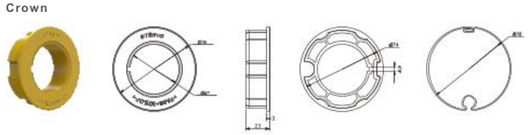


High And Low Tail plugs / Equipped with two 6000-ZZ bearings

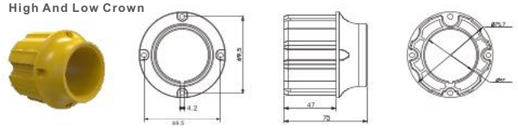


Φ78TUBE / Equipped with 45 motors

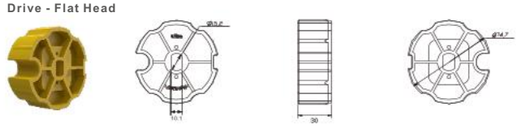
Crown



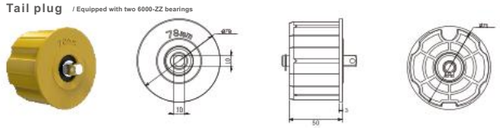
High And Low Crown



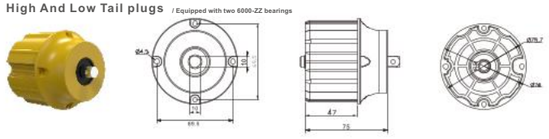
Drive - Flat Head



Tail plug / Equipped with two 6000-ZZ bearings

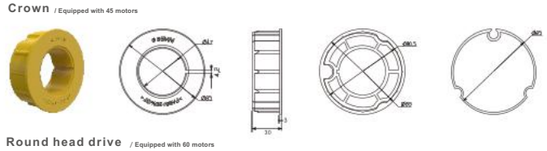


High And Low Tail plugs / Equipped with two 6000-ZZ bearings

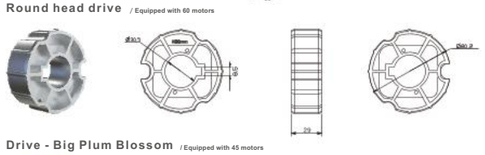


Φ85TUBE

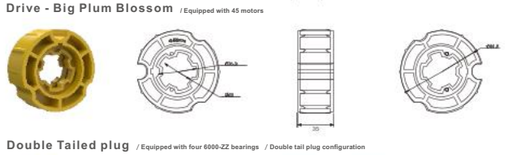
Crown / Equipped with 45 motors



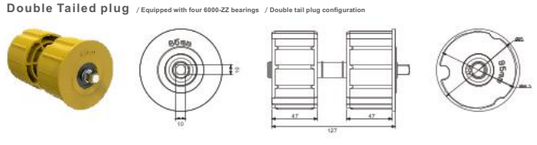
Round head drive / Equipped with 60 motors



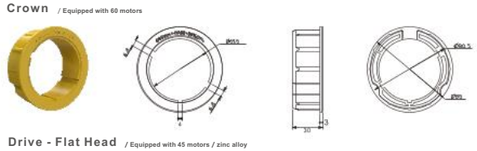
Drive - Big Plum Blossom / Equipped with 45 motors



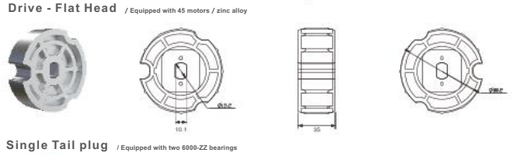
Double Tailed plug / Equipped with four 6000-ZZ bearings / Double tail plug configuration



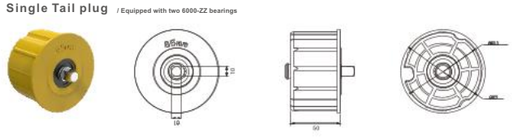
Crown / Equipped with 60 motors



Drive - Flat Head / Equipped with 45 motors / zinc alloy



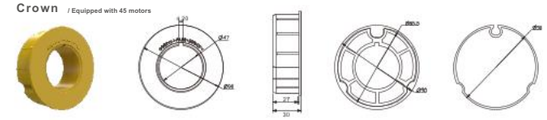
Single Tail plug / Equipped with two 6000-ZZ bearings



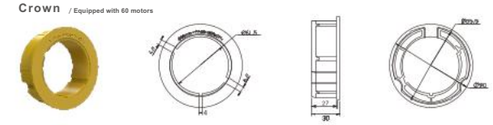
Crown / Adaptor / Idle / Bracket

Φ90TUBE

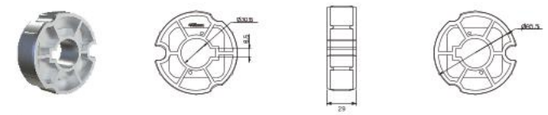
Crown / Equipped with 45 motors



Crown / Equipped with 60 motors

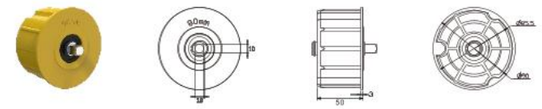


Drive / Equipped with 60 motors

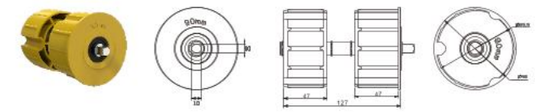


Drive - Flat Head / Equipped with 45 motors / zinc alloy

Single Tail plug / Equipped with two 6000-ZZ bearings



Double Tailed plug / Equipped with four 6000-ZZ bearings / Double tail plug configuration



50/55/63/70 Middle Bracket

50tube Middle bracket

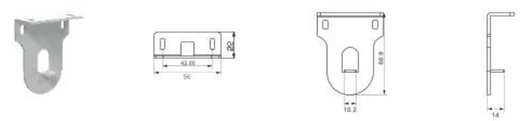
63tube Middle bracket

55tube Middle bracket

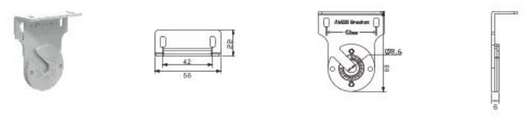
70tube Middle bracket

Bracket series

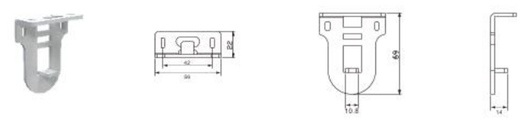
Head support bracket
AM25 Motor / 38tube



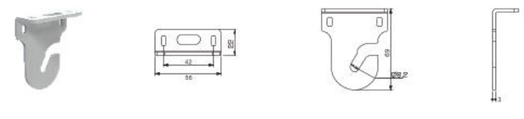
Tail bracket
AM25 Motor / 38tube



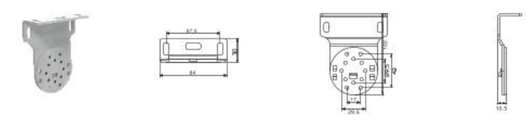
Head support bracket
35Micro



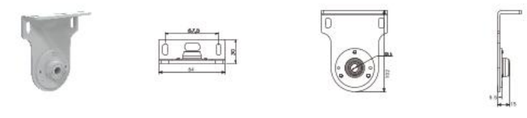
Tail bracket
35Micro



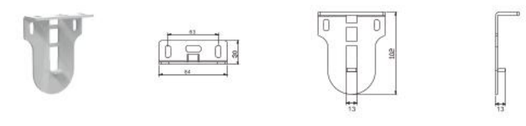
Motor end cover bracket
AM35 Motor



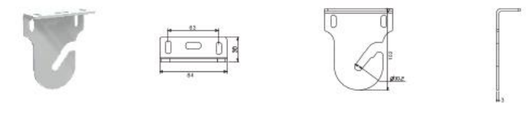
Motor Tail shaft bracket
AM35 Motor



Zero gap motor head bracket
AM35 Motor



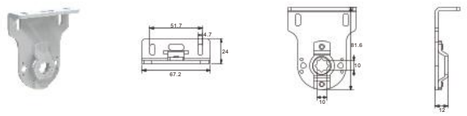
Zero gap motor tail bracket
AM35 Motor



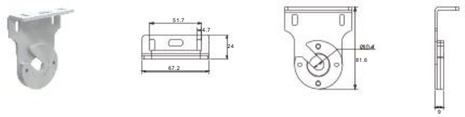
Bracket /

Mount / Shock-absorbing foot pad / Bracket

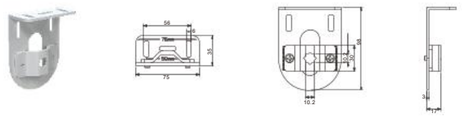
Square axis installation bracket
(81.6MM)



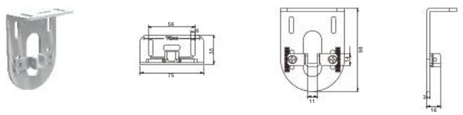
Circular shaft installation bracket
(81.6MM)



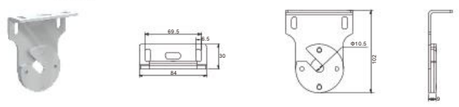
Adjustable motor installation bracket square shaft
(98MM)



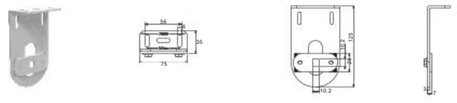
Adjustable motor installation bracket What font
(98MM)



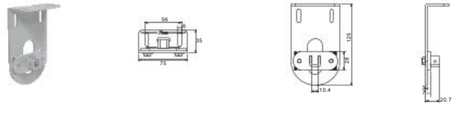
Circular shaft installation bracket
45Motor (102MM)



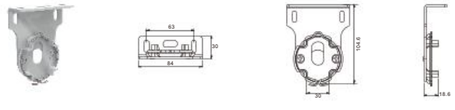
Adjustable Motor Extended Installation Bracket square shaft
(125MM)



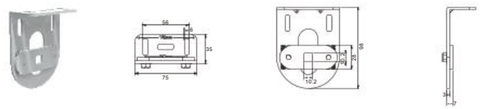
Adjustable bracket Large torque zigzag shape
(125MM)



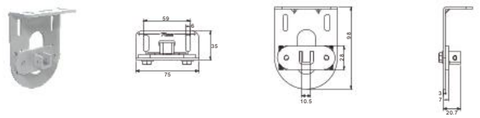
Quick installation bracket
45Motor



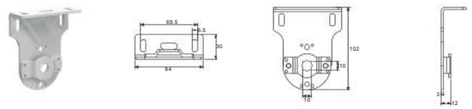
Adjustable bracket
(98MM)



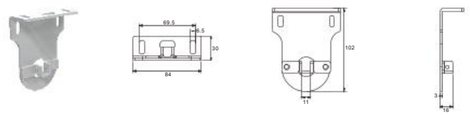
Adjustable bracket Large torque zigzag shape
(98MM)



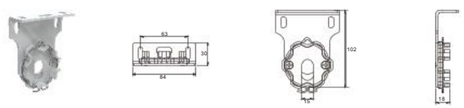
Am45 quick installation square head bracket
(102MM)



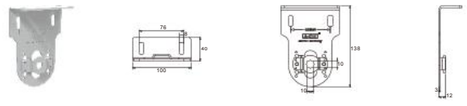
Am45 zigzag installation bracket
(102MM)



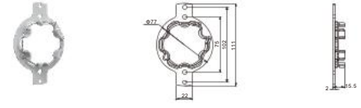
Quick installation bracket
45Motor



mounting bracket
(138MM)

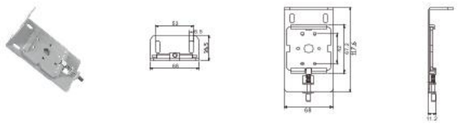


Quick installation bracket
45Motor

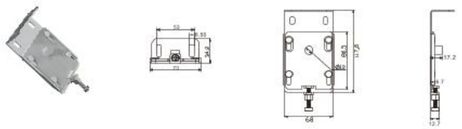


Quick installation bracket

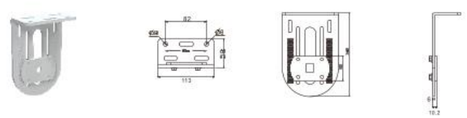
Horizontal adjustable head bracket



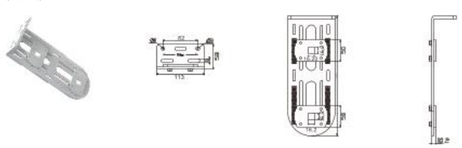
Horizontal adjustable tail bracket



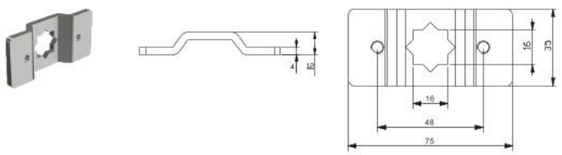
FTS-One Stent
(10X10)



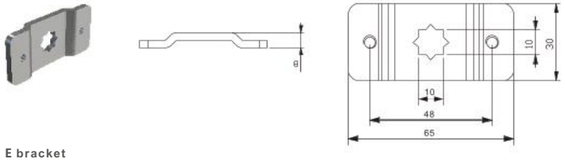
FTS-Double Stents
(16X16)



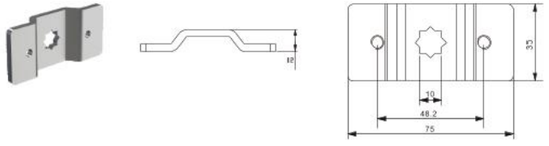
E bracket
(16-16)-12MM



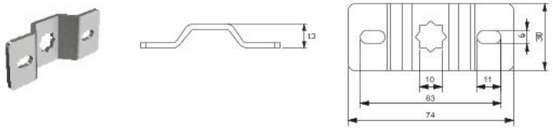
E bracket
8MM



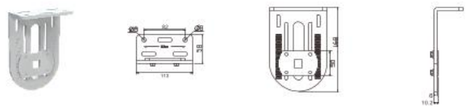
E bracket
12MM



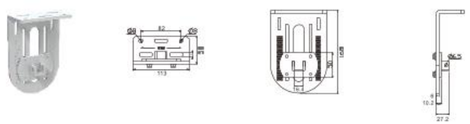
E bracket
13MM



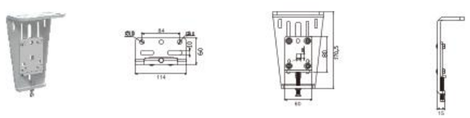
FTS-Head support bracket
(16X16)



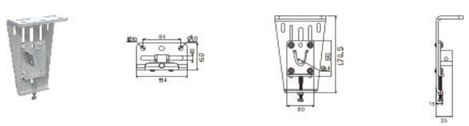
FTS-Tail bracket



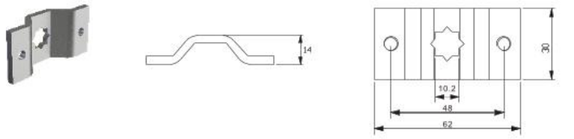
FTS-Large installation head bracket



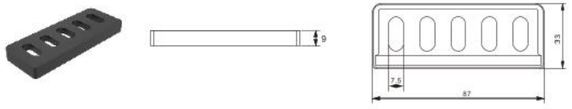
FTS-Large installation tail bracket



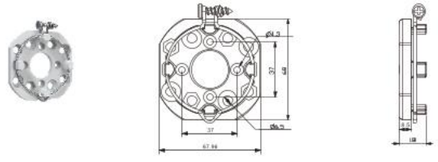
E bracket
14MM



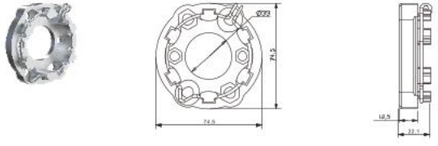
Shock-absorbing foot pad



Zinc alloy quick installation seat

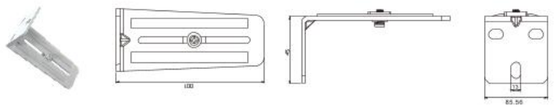


Zinc alloy plum blossom head installation seat

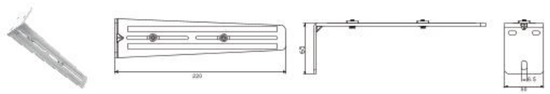


Bracket / Top mounted code / Transmission case

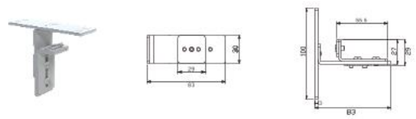
L-shaped monorail side mounting bracket



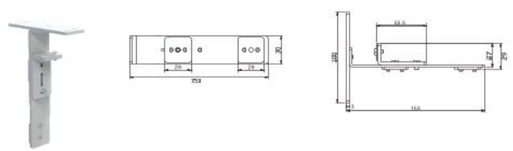
L-shaped double track side mounting bracket



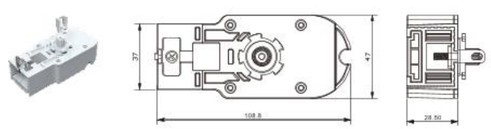
Lift and open curtain monorail bracket



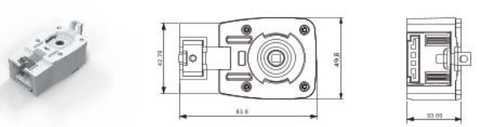
Double track bracket for lifting and opening curtain



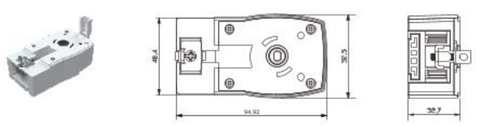
AM47 transmission box with Jialisi rail



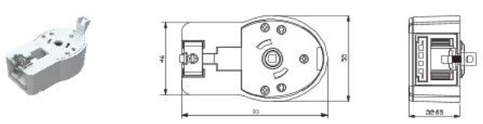
AM50 transmission box with Jialisi rail



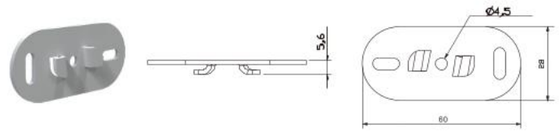
AM57 transmission box with Jialisi rail



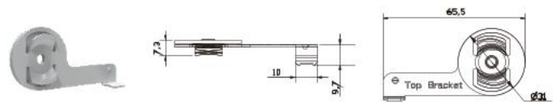
AM68 transmission box with Jialisi rail



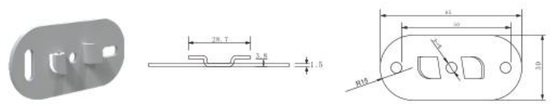
68 rail top mounting code



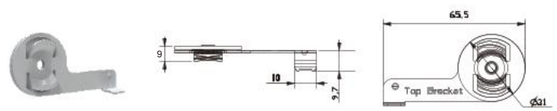
68 track rotary buckle top mounting code



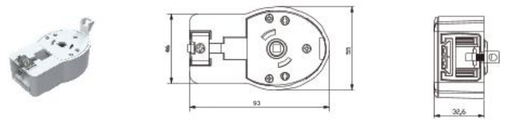
Jialisi Top Installation Code



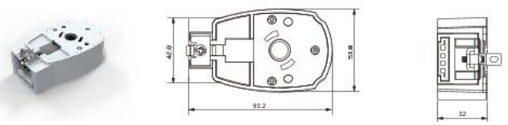
Jialisi rail spiral buckle top mounting code



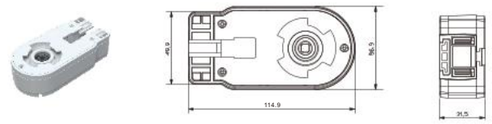
AM68 transmission box with 68 rails



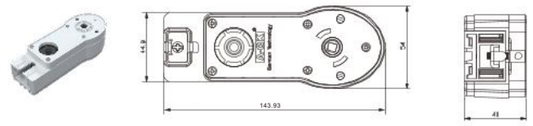
AM75 transmission box with Jialisi rail



AM95 transmission box with 68 rails

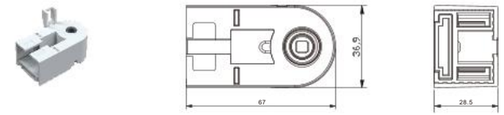


AM68 Ceiling Curtain Transmission Box

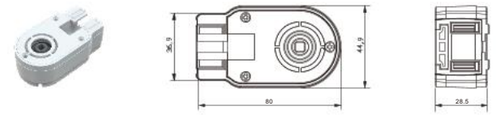


Transmission case / Connection strip / Trolley / Hanging wheel / Lock block

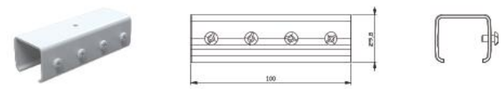
Jialisi auxiliary transmission box



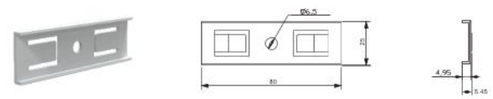
68 rail pair transmission box



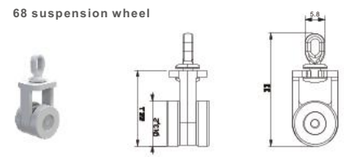
68 track external connection strip



68 track internal connecting strip

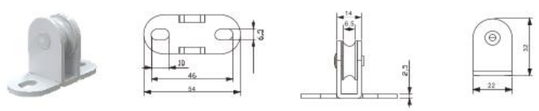


68 suspension wheel

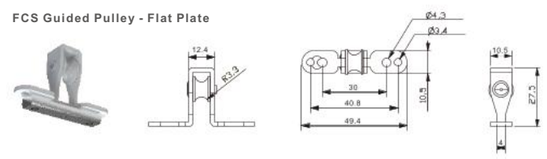


Buckle type hanging wheel

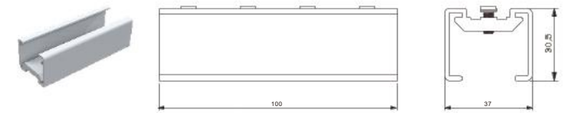
T-shaped directional pulley



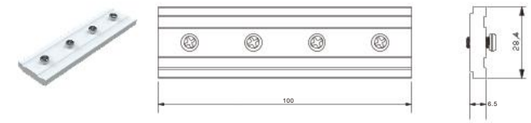
FCS Guided Pulley - Flat Plate



Jialisi External Connection Strip

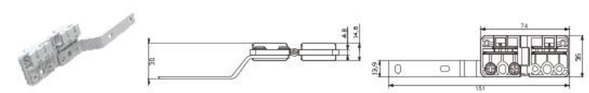


Jialisi internal connecting strip

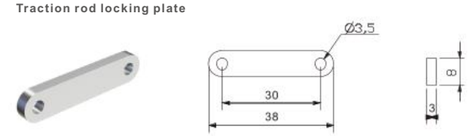


68 track pulley

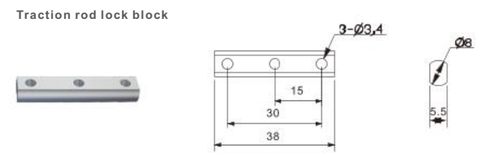
Jialisi track pulley



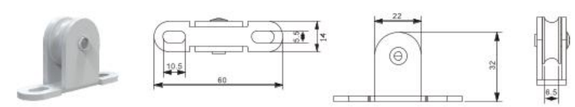
Traction rod locking plate



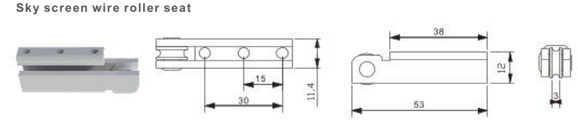
Traction rod lock block



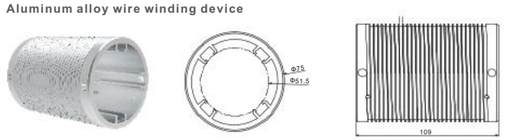
Linear directional pulley



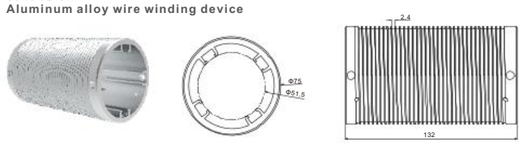
Sky screen wire roller seat



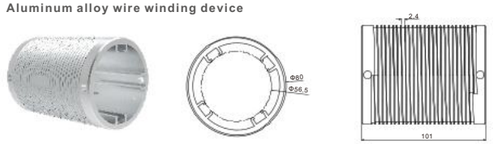
50Tube-6m
Aluminum alloy wire winding device



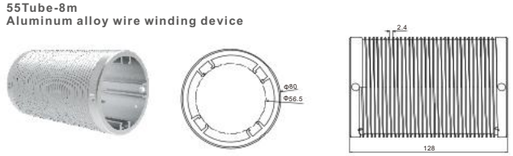
50Tube-8m
Aluminum alloy wire winding device



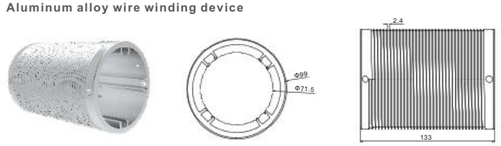
55Tube-6m
Aluminum alloy wire winding device



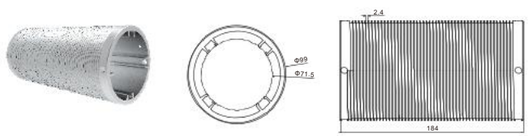
55Tube-8m
Aluminum alloy wire winding device



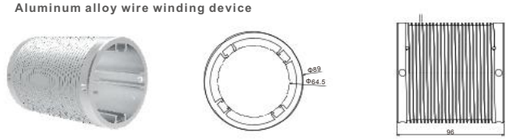
70Tube-10m
Aluminum alloy wire winding device



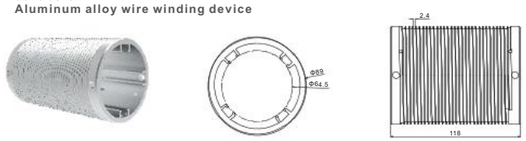
70tube-15
Aluminum alloy wire winding device



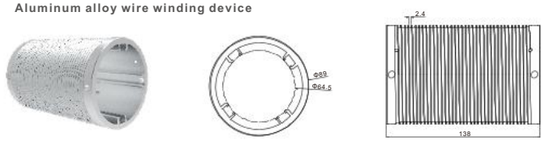
63Tube-6m
Aluminum alloy wire winding device



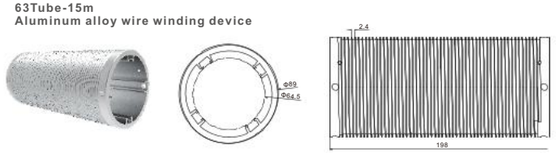
63Tube-8m
Aluminum alloy wire winding device



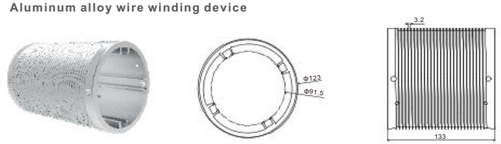
63Tube-10m
Aluminum alloy wire winding device



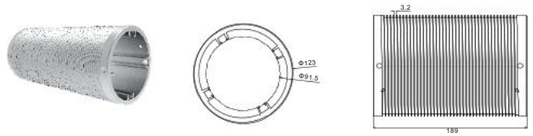
63Tube-15m
Aluminum alloy wire winding device



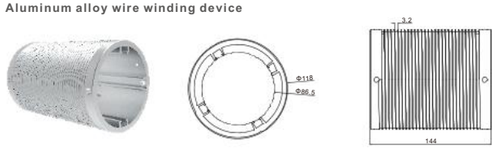
90Tube-10m
Aluminum alloy wire winding device



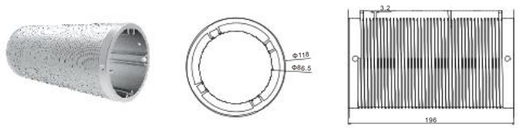
90tube-15
Aluminum alloy wire winding device



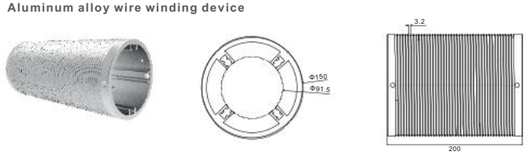
85tube-10m
Aluminum alloy wire winding device



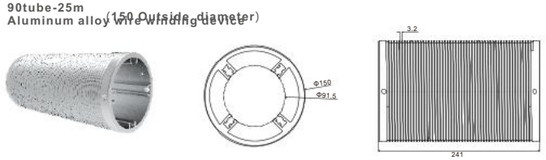
85tube-15m
Aluminum alloy wire winding device



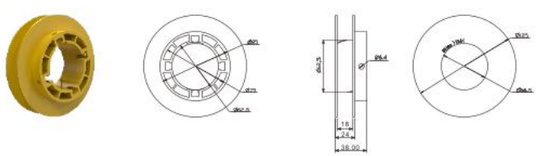
90tube-20m （150 Outside diameter）
Aluminum alloy wire winding device



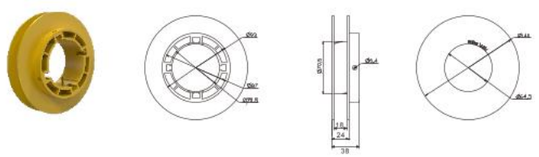
90tube-25m （150 Outside diameter）
Aluminum alloy wire winding device



55Broadband cable reel



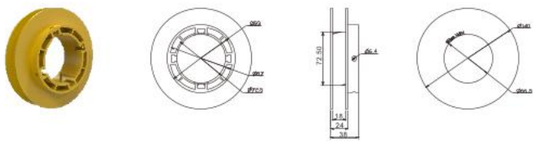
63Broadband cable reel



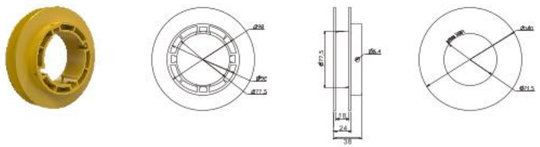
90tube-20m （150 Outside diameter）
Aluminum alloy wire winding device

90tube-25m （150 Outside diameter）
Aluminum alloy wire winding device

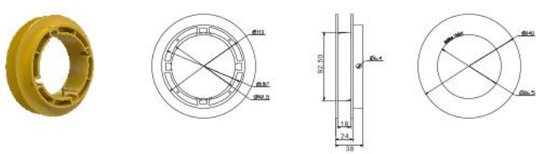
65Broadband cable reel



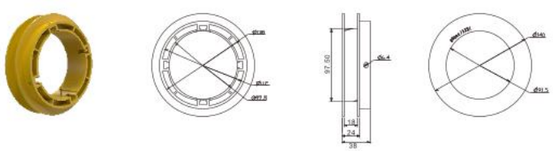
70Broadband cable reel



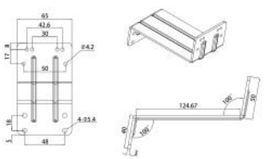
85Broadband cable reel



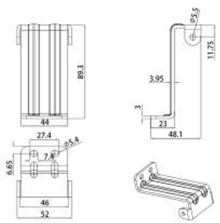
90Broadband cable reel



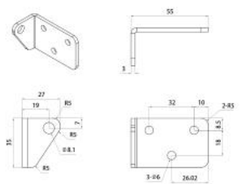
Z-shaped bracket（AM53-D600N）



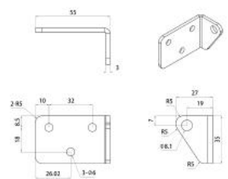
Z-shaped bracket（AM56-D250N）



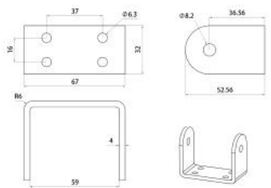
Short single hole right mounting bracket（AM53-D600N）



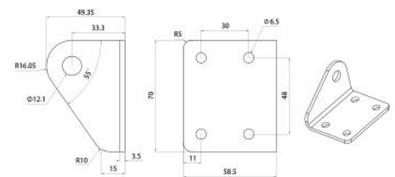
Short single hole left installation bracket（AM53-D600N）



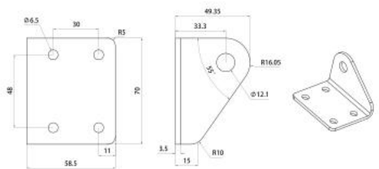
Window connecting block（AM78）



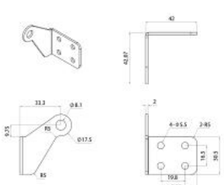
Right installation bracket（AM78）



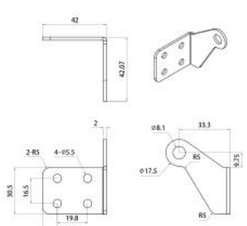
Left installation bracket（AM78）



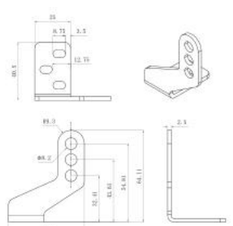
Single hole left installation bracket（AM53-D600N）



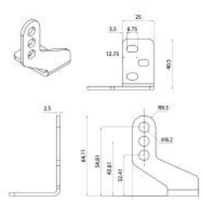
Single hole right installation bracket（AM56-D600N）



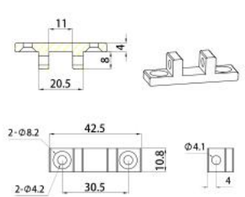
Three hole right installation bracket（AM56-D600N）



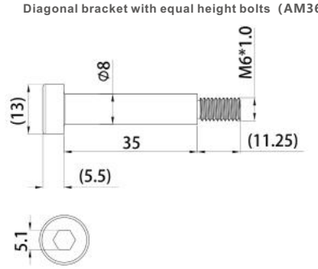
Three hole left installation bracket（AM56-D600N）



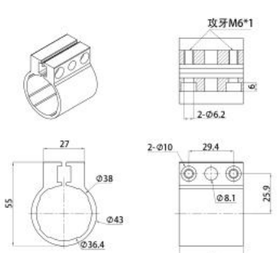
Window connecting block（AM26）



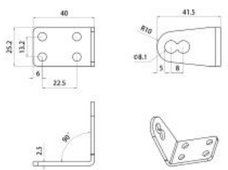
Diagonal bracket with equal height bolts（AM36）



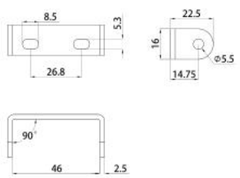
Body fixing components（AM36）



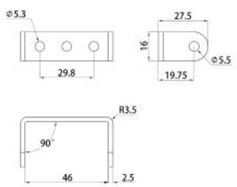
Two hole installation bracket（AM53-D600N）



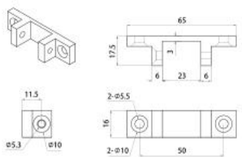
Window connecting block（AM53-D600N）



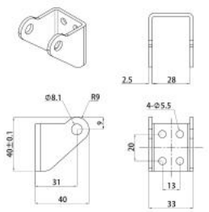
Window block (raised version)



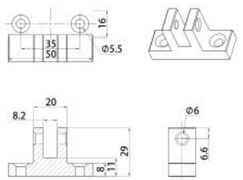
Side bending chain window block（transverse perforation）



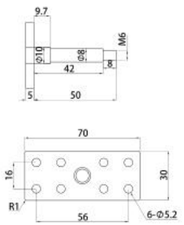
Diagonal bracket（AM36）



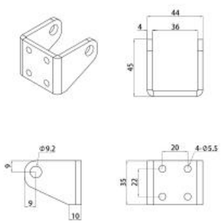
Window connecting block（AM36）



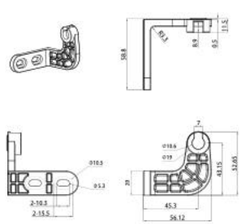
Sunroof hidden installation bracket（AM36）



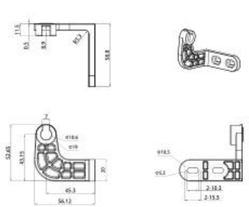
Diagonal bracket（AM46）



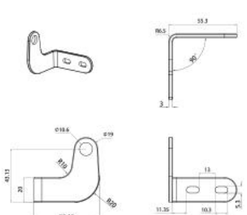
Left installation bracket（AM56-D250N）



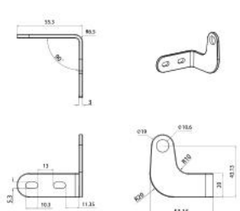
Right installation bracket（AM56-D250N）



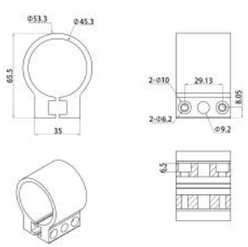
Right installation bracket with sunroof（AM53-D600N）



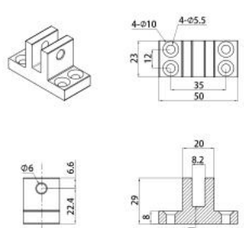
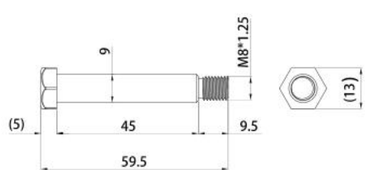
Left installation bracket with sunroof（AM56-D250N）



Body fixing components（AM46）



Window connecting block（AM46）



Diagonal bracket with equal height bolts（AM46）