

VS-C24-7A DC Controller



VS-C24-7A



Remote control

1.Functions

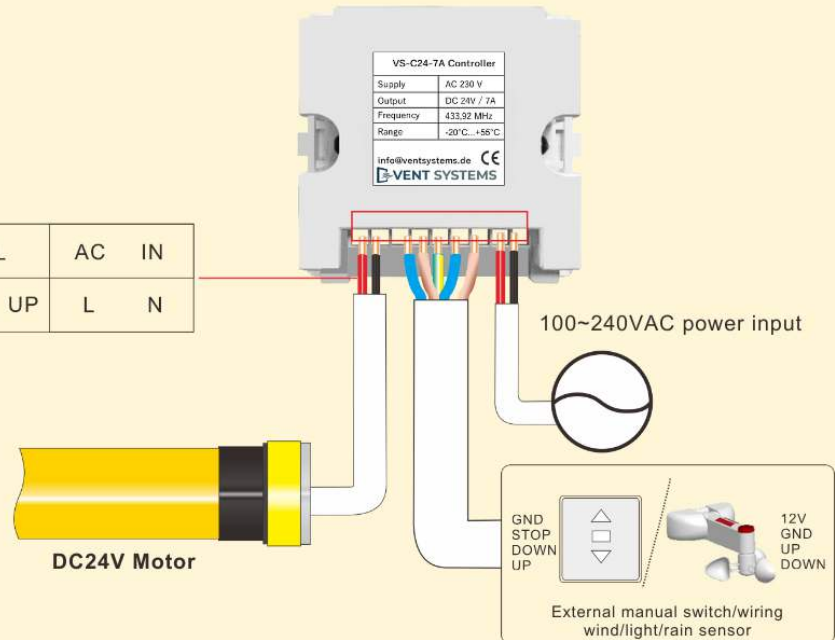
- 1.The controller is designed for controlling 24V DC motors, such as window drives, blind motors, roller shutter motors, etc.
- 2.86*86mm installation standard
- 3.TV5 anti impulse current relay is adopted, which is suitable for DC motors with power below 72W.
4. Common control ways, manual and remote control supported;
5. External sensors with DC12V/0.3A can be connected.

2.Specifications

Model No.	Input Voltage	Working Temp.	Loading Power	Receiving Frequency	Receiving Sensitivity	Paring Quantity	Control Mode
VS-C24-7A	100~240VAC 50/60Hz	-20°C ~ + 55°C	24V/7A	433.92MHz	≥ -110dBm	≤ 20pcs Emitters	Remote/ Manual Control

3.Installation and wiring

DC MOTOR	12V DC	CONTROL	AC IN
M+/- M-/+	12V GND	STOP DOWN UP	L N



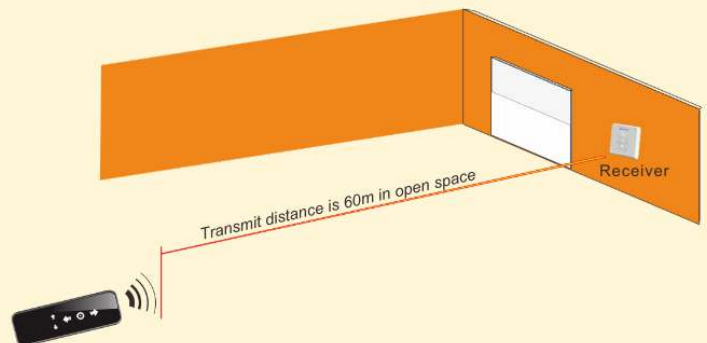
⚠ Cautions

1.Installation Notes

- 1.Minimum distance between receiver and floor : 1.5M;
- 2.Minimum distance between receiver and emitter: 0.3M;
- 3.Minimum distance between 2 receivers: 0.2M;
- 4.Pay attention that the screws and electric screwdriver do not collide with any components on PCB board when install;
- 5.Do not use the receiver in touch with mental objects, or the receiving distance will be defected;

2.Wiring Notes

- 1.Make sure the power has been cut off before wiring to ensure safety;
 - 2.Avoid static disturbance which could damage electronic components;
 - 3.Use flexible cables;
- Ensure no longitudinal force is acting on cables after installation



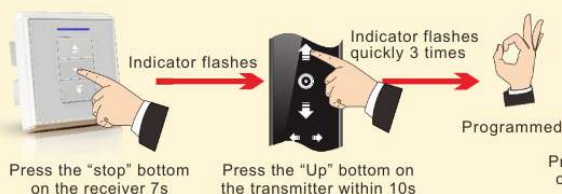
4. Product Diagram



*5minutes is the longest operation time for motor;
*0.5s The up/down change time is 0.5s;
*Please select the channel you want firstly when use multi-channel controllers, then go ahead to operate;

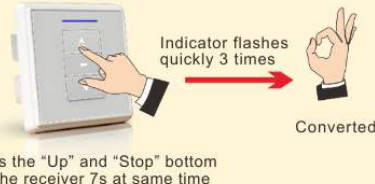
5. Operations

1. Programming

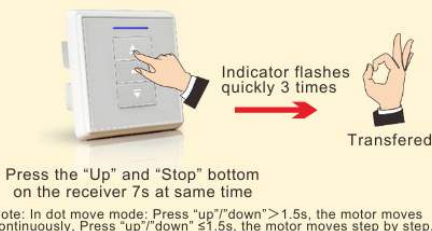


2. Direction Convert

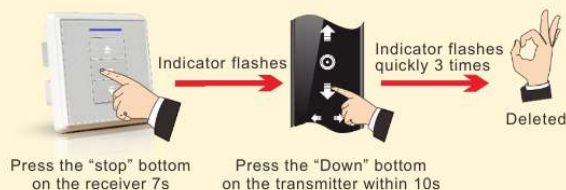
*Press the "Up" and "down" bottom on the receiver 7s at same time



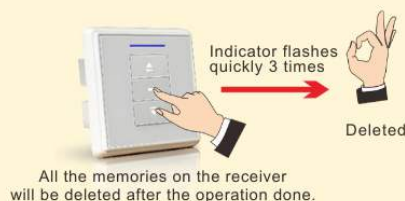
3. Dot and continuous moving transfer



4. Delete Single Code



5. Delete All Code



6. Signal Finite Logic

1. Signal classification

The signal of Open: Fire linkage, smoke signal;
The signal of Stop: Infrared anti pinch sensing signal;
The signal of Close: wind/rain sensor signal;
The signal of RF: Remote control signal.

2. Priority: Manual emergency control > Open > Stop > Close

First priority is to Open window: When the controller receives the signal of open window, the order will be carried out immediately and the status will be kept in 3 mins. During this time, it cannot be carried out or canceled to stop or close the window. Second priority is to stop window: When the controller receives the signal of stop window, it will check if there is the order of open window running, if yes, the signal of stop window will be canceled and will continue to open the window, if no order of open window, the order of stop window will be carried immediately; During this time, if the controller receives the order of open window which will be carried immediately; If receives the order of close window which will be ignored and continue to carry the order of stop window. Third priority is to close window: When controller receives the order of close window, it will check if there is the order of open and stop window running, if yes, it will run in compliance with first and second priority, if not, the order of close window will be carried. During this time, if receives the order of open and stop window, it will run in compliance with first and second priority as well.

3. Manual emergency control

When users press any bottom on the receiver more than 3s, all orders will be canceled no matter what orders are in carrying, and will run the new orders immediately.

7. Trouble shooting

No.	Problems	Solutions
1	Indicator on receiver does not light up	Please check if the wiring of receiver is correct
2	Indicator on transmitter does not light up or in poor light	Please check if the battery is in good conditions or the installation is right
3	Transmitter and receiver are in normal working, but motor doesn't work	Please check the motor wiring