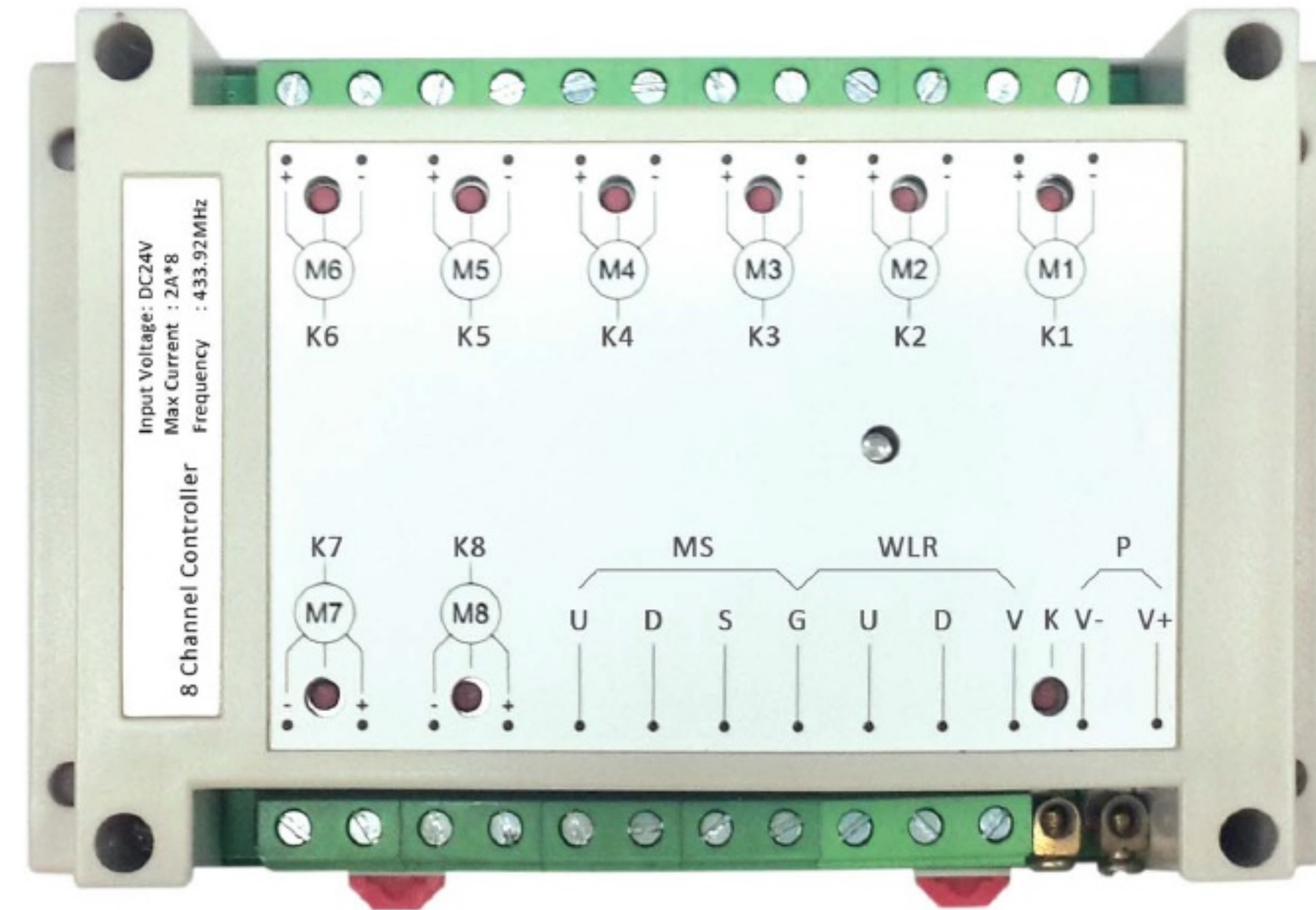


## 8 CHANNEL ACTUATOR CONTROLLER



## Wiring Diagram



### Feature

- Control 8 actuators separately or at the same time.
- External switching power supply and manual switch.
- Made by low-power and high-speed CMOS technology.
- Strong anti-interference ability.
- Manual control and remote control.
- Can connect with wind/rain sensor.
- Motor protection, cutting power off automatically in 5 minutes.
- Installation size: 145x90X40mm.

### Specification

Model	Input Voltage	Output Voltage	Max. Current	Working Frequency	Receiving Sensitivity	Operating Temperature
AC151	DC24V	DC24V	2A*8	433.92MHz	-100dBm	-20 ~ +65°C

Sym.	Description	Sym.	Description	Sym.	Description
M1	Motor 1	MS	Manual Switch	P	Switch Power Supply
M2	Motor 2	U	Up	V+	DC24V+
M3	Motor 3	D	Down	V-	DC24V+
M4	Motor 4	S	Stop	K	Setting for all motors
M5	Motor 5	G	GND	Kx	Setting for motor Mx
M6	Motor 6	WLR	WLR Sensor		Kx=K1 to K8
M7	Motor 7	G	GND		Mx=M1 to M8
M8	Motor 8	U	Up		
+	DC24V+	D	Down		
-	DC24V-	V	DC12V+		



## Operation Description

- Setting method of single channel is as same as multi channel.
- Before setting multi channel transmitter, please choose the right channel which you want to program.
- Maximum running time of motor is 5 minutes.
- UP/DOWN delay time of switch is 500ms.
- Button [K] for setting all connected motors.
- Button [Kx] only for setting single motor Mx.
- The maximum current of each channel is 2A.
  
- Matching Code
  - Power the controller on.
  - Keep pressing [Kx] on the controller for 3 seconds.
  - Press [UP] on the remote within 15 seconds
  - LED flashes 3 times and turns off.
  - Codes are matched successfully.
  
- Clearing Single Code
  - Power the controller on.
  - Keep pressing [Kx] on the controller for 3 seconds.
  - Press [DOWN] on the remote within 15 seconds
  - LED flashes 3 times and turns off.
  - Code is cleared successfully.
  
- Clearing All Codes
  - Power the controller on.
  - Keep pressing [K] on the controller for 6 seconds.
  - LED flashes 3 times and turns off.
  - All the codes matching the channel will be deleted after this operation.

- Changing direction
  - Power the controller on.
  - Keep pressing [Kx] on the controller for 3 seconds.
  - Keep pressing [STOP] on the Transmitter for 0.5 second.
  - LED flashes 3 times and turns off.
  - Directions changed successfully.

## Installation Notes

- Please observe the following provisions in accord with standard of effective power.
- Do not use metal objects to touch or shade the receiver, avoid the interference of receiving signals.
- Transmit distance: 50 meters without obstacle, 20 meters through wall.
- The installation distance between the receiver and ground, between the receiver and the ceiling is more than 1.5 m, between two receivers is more than 0.2 m.
- The main power supply must be cut off before installing wiring.
- In order to prevent electrostatic interference, must ensure that the receiver is effectively grounded.
- After the installation, ensure that the receiver and cable are not affected by tension.

## Troubleshooting

No.	Symptom	Solution
1	LED flashes, receiver shut down.	1. Check the connection of wires. 2. Check the receiver setting.
2	LED on the transmitter is off or weak.	1. Make sure the right installation of the battery. 2. Change the battery.
3	The transmitter and the receiver work well, the motor does not work.	1. Check the wiring of motor. 2. Make sure the motor no failure.