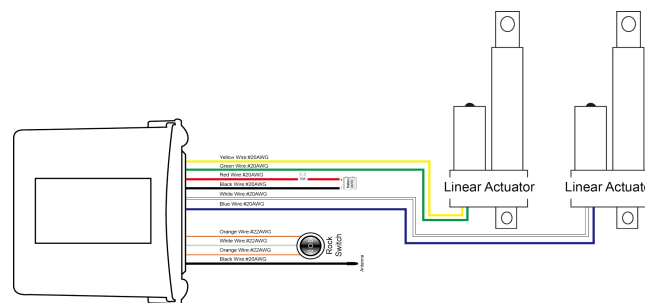


# 12V/24V MMACRM3/MMACRM4 (Safety) Manual Instruction

## 1. Remotes & Diagram:



## 2. Main Functions and Safety Features:

\* 1 or 2 Actuators controller with overcurrent safety protection function.

\* Wireless remote and wired switch compatible in one box, dual operation for option.

\* Remote with Momentary(Press and hold on) and Non-momentary(Press once quickly), two operation modes for option.

Safety Features: \* Any one of the actuators triggers the overcurrent protection, both actuators will reverse moving immediately. (In this situation, only the opposite operation is available, that's to say, if it runs overloading during extension/"UP", it will reverse moving, and you can only press" DN" to stop the reverse.)

Overcurrent Adjust \* Overcurrent value is adjustable basis on different actuators capacity and different applications needs.



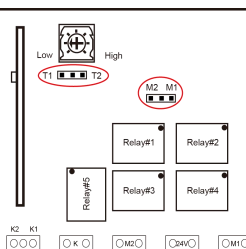
Turning Left will make the overcurrent value lower



Turning Right will make the overcurrent value higher

New Remote Programming \* Open the box, find out the two points J1/J2 on the board and make both connected; then LED lighting ON; at meanwhile press any key of the new remote, LED lighting OFF, new remote paired successfully.

## 3. Jumpers on board for Option:

Circuit Board Layout									Automatic/Momentary		Manual/Non-Momentary		Reverse Moving 1.5s for Safety (optional)		Reverse Moving Immediately for Safety							
									<p>Press and hold on "UP" to extend; Release the button to stop UP.</p> <p>Press and hold on "DN" to retract. Release the button to stop DN.</p>		<p>M2 ■ ■ ■ M1</p> <p>M2 ■ ■ ■ M1</p>		<p>Press"UP" one time, the actuators extend; Press "UP" again to stop.</p> <p>Press"DN" one time, the actuators retract; Press "DN" again to stop.</p>		<p>M2 ■ ■ ■ M1</p>		<p>Actuators will reverse moving 1.5s as soon as overcurrent safety is triggered. (The reverse moving time can be programmed)</p>		<p>T1 ■ ■ ■ T2</p> <p>Actuators will reverse moving immediately as soon as overcurrent safety triggered.</p>		<p>T1 ■ ■ ■ T2</p>	

## 4. Main Specifications:

- Working Voltage: 12V DC or 24V DC
- Frequency: 433.92 Mhz
- Remote range: 30 Meters / 100 feet

- Max Current: 10A
- Working Temperature: -30 ~ 65 °C
- Certificates: CE, FCC certified by SGS

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.