Issue date: 29/7/2021

ARC   MANUAL

SHUTTER REMOTE CONTROL
&
RECEIVER MODULE
MJLT-2005+MJLR-2001

CONTENTS

1. Overview and features

From shutters to pavilions, motorized electronics and furnishing are part of a modern home. Now they can be part of your connected home.

2-in-1 handy remote or wall switch control can easily be wall mounted and or affix on any magnetic base.
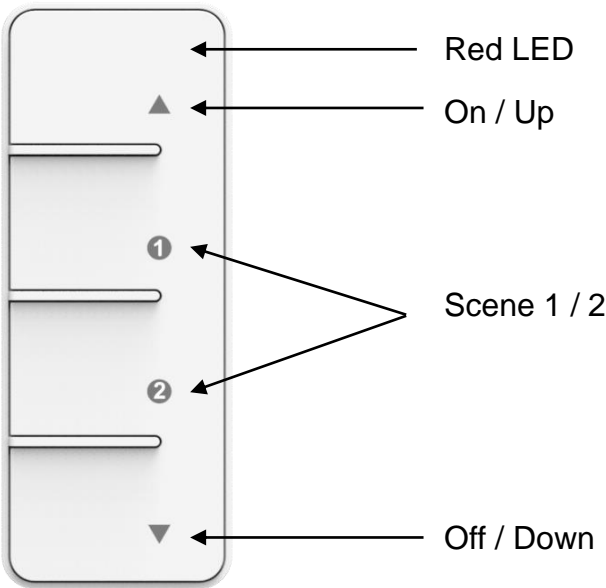
Main features;

Remote Control
- Compatible to L and M series.
- Control shutter/curtains up, down or stop at any level.
- 2 scene button, configure your favorite scenario scenes.
- 3V CR2032 battery operation.
- Red LED indication representing different operation status.
- Easy screw mounting or on magnetic surface.

Receiver Module
- 32 memories, first in first out storage maintain.
- Built-it motor calibration setting.
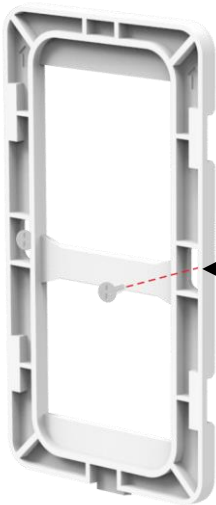- Scene status memory, create your desired atmosphere.

2. Diagrams.

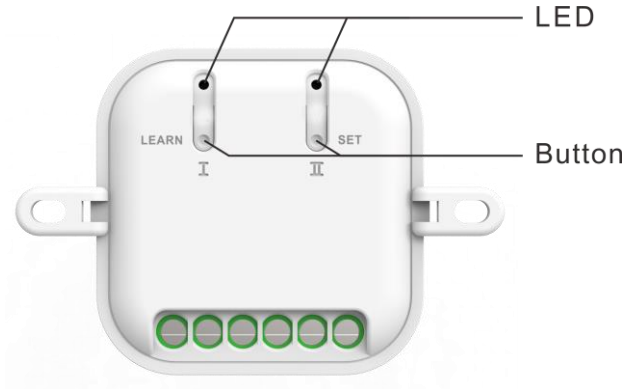**Main Handy Remote Control**

Red LED

On / Up

Scene 1 / 2

Off / Down

Magnetic Back Holder

Front   Back

Fixing Screws

Receiver Module

LED

LEARN   SET

I   II

Button

DIAGRAMS

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3. Battery

1. With a Φ3mm flat headed screwdriver, insert into the allocated slot and with a little force push open the battery cover then remove battery insulation stirp. (First time use only)

2. Insert flat headed screwdriver and slightly lift to remove battery.

BATTERY

3. Insert new 3V CR2032 battery making sure the positive symbol is facing upwards and slide back the battery cover.
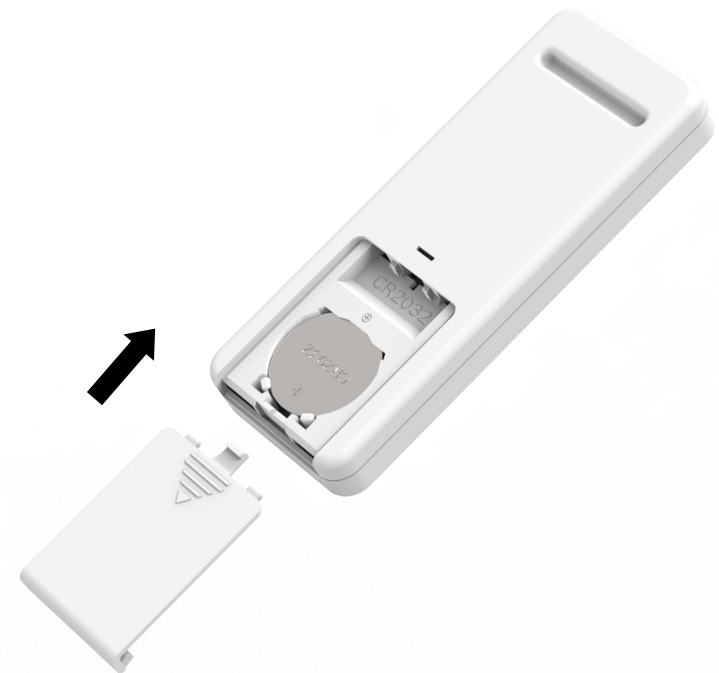
LITHIUM BATTERY CAUTION:

Risk of Explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the environment protection rules.

BATTERY

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4. Mounting On Surface

1. Insert flat headed screwdriver into the button slot and lift open the front magnetic holder.

2. Position the back magnetic holder onto surface making sure the arrow is facing up then affix tightly with 2 screws.
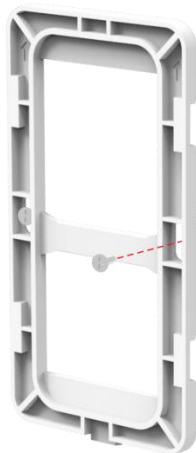
3. Align the front magnetic holder onto the 4 clips and with a little force push forward making sure 'click' sound is heard.
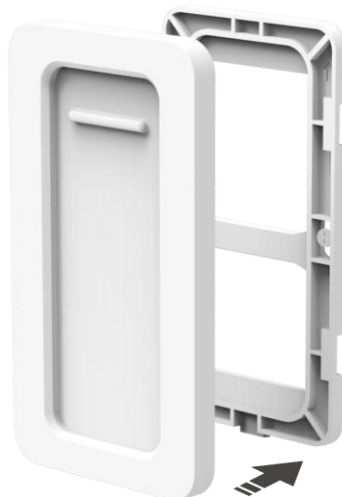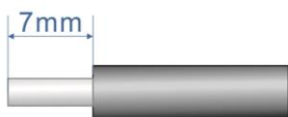
MOUNTING

5. Installation – Wiring

To install module into wall box, break off the mounting tabs.


WIRING

⚠ Cut off main power before installing and wiring.

- Strip wires at least 7mm then connect the wires as per diagrams below, ensure terminals are properly tightened and no bare wire is visible.
- Suitable wire size for terminal is 1.6mm^2 to 2mm^2

INSTALLATION - WIRING

With 230V Motor

1. Connect permanent Live wire into module terminal [L].
2. Connect Neutral wire into module terminal [N].
3. Connect jump wire in between module terminal [Com] and [L].
4. Connect 2 Live wire from motor into module terminal [↑ ↓], one to control 'Up' and one to control 'Down'.
5. Connect Neutral wire into Motor terminal.
6. Tighten the terminal screws.
7. Connect back mains power supply and proceed pairing with remote control.


INSTALLATION - WIRING
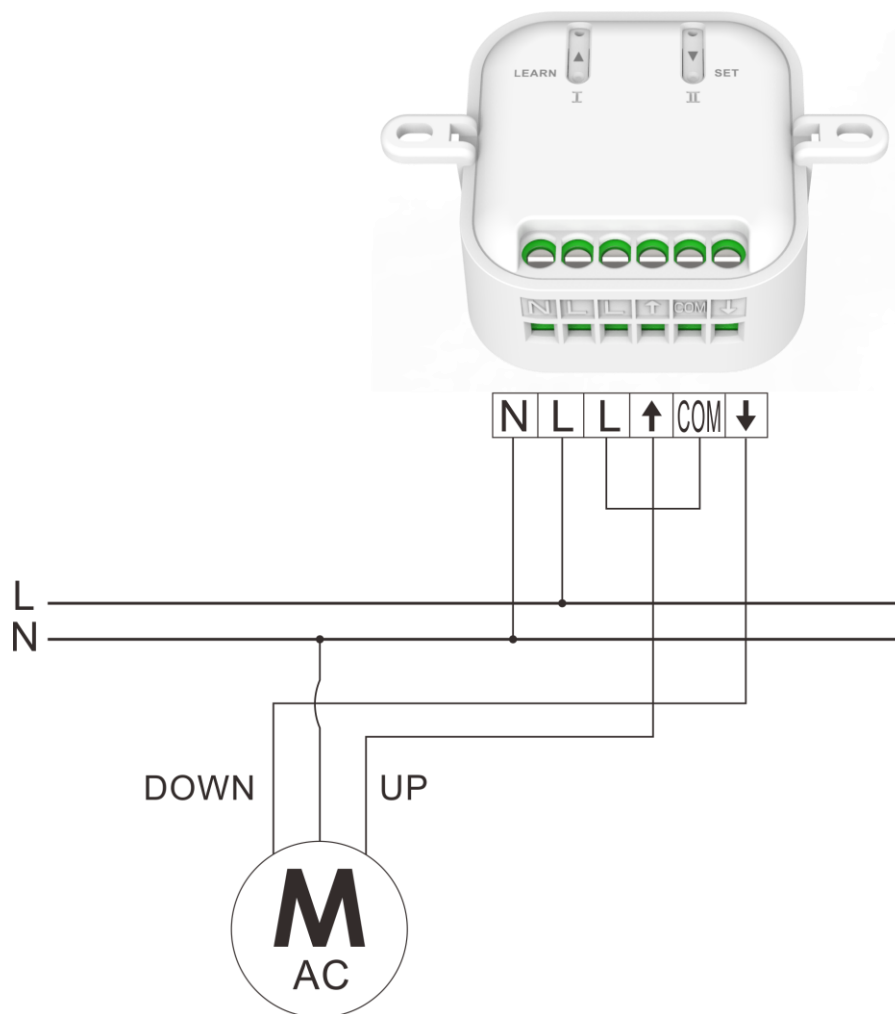
With 24V Motor

1. Connect permanent Live wire into module terminal [L].
2. Connect Neutral wire into module terminal [N].
3. Connect 2 Live wire (A+ & B+) from motor into module terminal [↑ ↓], one to control 'Up' and one to control 'Down'.
4. Connect wire from motor terminal 24V+ to module terminal [Com].
5. Connect wires 24V- & 24V+ to motor.
6. Tighten the terminal screws.
7. Connect back mains power supply and proceed pairing with remote control.

INSTALLATION - WIRING
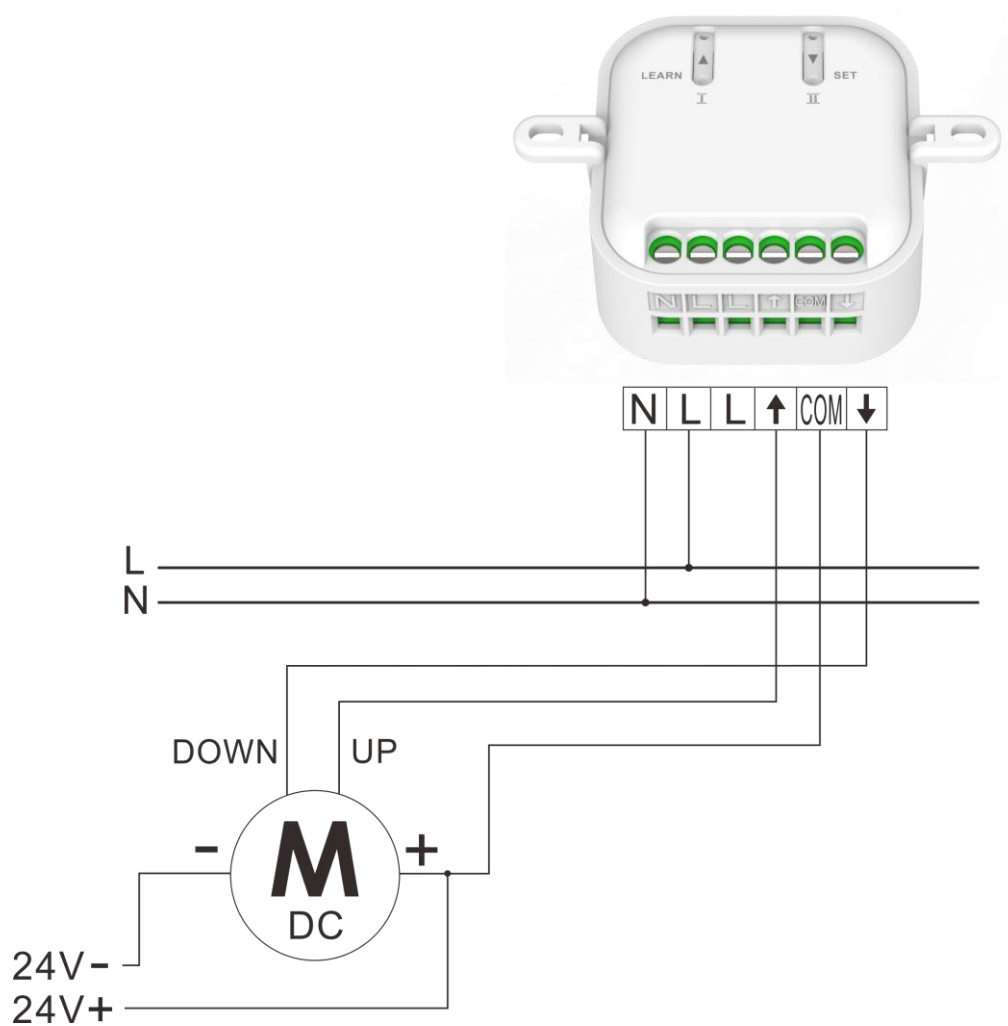
6. Pairing / Un-pairing Device

PAIRING

Pairing using **LEARNING MODE**:

1. On the module receiver, press **'Learn'** button once (Left LED on module will flash), this will enter learning mode.
2. Within 6 seconds press the UP ▲ button to pair, left LED will quick flash to confirm that pairing is successful and complete.
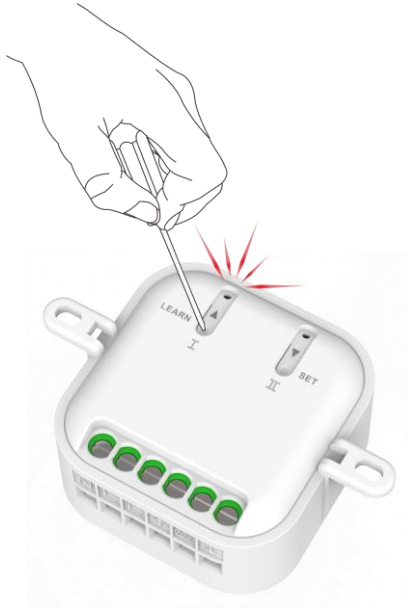
NOTE: If no signal is received from a remote control within 12 seconds then the module will automatically exit learning mode without pairing the device.
To exit learning mode manually, simply press the **'Learn'** button again.

UN-PAIRING

1. On the module receiver, press **'Learn'** button once (Left LED on module will flash), this will enter learning mode.
2. Within 6 seconds press the DOWN ▼ button to unpair, left LED will quick flash to confirm that unpairing is successful and complete.

CLEARING ALL MEMORY

Removing all memory stored in the module.

1. On the module press the **'Learn'** button for 6 seconds, left LED on module will flash.
2. Release button then press again, this will remove all memory stored in the module.

7. Motor Calibration

There are wide variety of shutters, curtains, and motorised electronics in the market. So, for a better performance the receiver module has a calibration features built in.

For the shutter to position properly, we must firstly set up the maximum and minimum level of the actual shutter you wish to control.

Carefully follow the below procedure with each individual receiver modules.

<u>Set up within receiver module</u>

1. On the receiver module press SET button for 3 seconds, both LED on module will flash.

2. Press DOWN ▼ button once to close the shutter and once it reaches to the bottom, press the DOWN ▼ button again. (Minimum level is now stored)
3. Press UP ▲ button once to open the shutter and once it reaches to the top, press the UP ▲ button again. (Maximum level is now stored)
4. To complete the set-up mode, press SET button for 3 seconds, both LED on module will quick flash to confirm.
   ※ If no signal is given within the 30 second time frame, the receiver will exit the set-up mode.)

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Set up with MJLT-2005

1. On the receiver module press SET button for 3 seconds, both LED on module will flash.
2. With the remote press DOWN ▼ button once to close the shutter and once it reaches to the bottom, press the DOWN ▼ button again. (Minimum level is now stored)
3. Press UP ▲ button once to open the shutter and once it reaches to the top, press the UP ▲ button again. (Maximum level is now stored)
4. To complete the set-up mode, press SET button on receiver module for 3 seconds, both LED on module will quick flash to confirm.
   ※ If no signal is given within the 30 second time frame, the receiver will exit the set-up mode.)

Set up with LYCT-505

1. Make sure the receiver module is first paired with the remote control and with the shutter at top (open) position.
2. On the receiver module press SET button for 3 seconds, both LED on module will flash.
3. With the remote press OFF button to close the shutter and once it reaches to the bottom, press the OFF button again. (Minimum level is now stored)
4. Press ON button to open the shutter and once it reaches to the top, press the ON button again. (Maximum level is now stored)
5. To complete the set-up mode, press SET button on receiver module for 3 seconds, both LED on module will quick flash to confirm.
   ※ If no signal is given within the 30 second time frame, the receiver will exit the set-up mode.)

In case the shutter level is not in the right position after few usages, you can manually calibrate the shutter by letting the shutter reach to the top or bottom (maximum or minimum level) and wait for 2 minutes.

MOTOR CALIBRATION

8. Operation

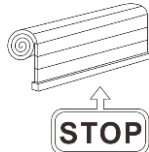## OPEN / CLOSE OPERATION

MJLT-2005

Method 1.

Press the UP ▲ button to open shutter.

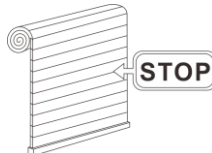To stop, press the UP ▲ button again.

Press the DOWN ▼ button to close shutter.
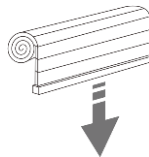
To stop, press the DOWN ▼ button again.

Method 2.

Press and hold down UP ▲ button to open shutter.

To stop at the desired level, release button.

Press and hold down DOWN ▼ button to close shutter.

To stop at the desired level, release button.

※ Shutter will stop when it reaches to the top or bottom.

OPERATION

SCENE SETUP

Scene setup and control is only compatible with M Series receiver(s).

1. Using the ▲▼ button set the desired shutter level position, for example halfway down.
2. Press button 1 or 2 for 3 seconds to store the scene, LED will quick flash to confirm scene is successful stored.
3. To replace the already stored scene, simply repeat step 1 and 2.

SCENE CONTROL

To recall the scenes, simply press the button 1 or 2.

You can also configure your scene with other receivers to control your lighting at the same time.

For example:
Scene 1, when the shutter is opened, the light can be turned OFF at the same time.

Scene 1

Scene 2, when the shutter is closed half-way, the light can be turned ON.

Scene 2

OPERATION

MJLR-2001 module receiver is also compatible to MEBT-2004, MRYT-1805, MTHT-1806, MEBT-1706 and MKFT-1704.

INDIVIDUAL OPERATION

MEBT-2004

Pair MEBT-2004 with MJLR-2001 module first by entering learning mode and press MEBT-2004 button once.

Operation:

Method 1.
Press button once to open shutter.
While the shutter is opening press the button once to stop.

Press button twice to close shutter.
While the shutter is closing press the button twice to stop.

Method 2.
Press and hold down button to open or close shutter, when you reach to the desired position release button to stop.
Note: When shutter reaches to the top or bottom it will stop. To continue, press and hold down the button again.
The next time the button is pressed, the shutter will run at the opposite position.

MRYT-1805

Pair MRYT-1805 with MJLR-2001 module first by entering learning mode and with the function switcs to I position, press button once.

OPERATION

Operation:

Slide function switch to II position.

Method 1.

Turn rotary button clockwise to open shutter, the shutter will stop after you stop turning the rotary button.

Turn rotary button counterclockwise to close shutter, the shutter will stop after you stop turning the rotary button.

Method 2.

Press button once to open shutter.
While the shutter is opening press the button once to stop.

Press button twice to close shutter.
While the shutter is closing press the button twice to stop.

Method 3.

Press and hold down button to open or close shutter, when you reach to the desired position release button to stop.
Note: When shutter reaches to the top or bottom it will stop. To continue, press and hold down the button again.
The next time the button is pressed, the shutter will run at the opposite position.

OPERATION

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MTHT-1806

Pair MTHT-1806 with MJLR-2001 module first by entering learning mode and with the function switch to 1 position, tap button once.

Operation:

Slide function switch to 1 position.
Method 1.
Tap button once to open shutter.
While the shutter is opening tap the button once to stop.

Tap button twice to close shutter.
While the shutter is closing tap the button twice to stop.

Method 2.
Press and hold down button to open or close shutter, when you reach to the desired position release button to stop.
Note: When shutter reaches to the top or bottom it will stop. To continue, press and hold down the button again.
The next time the button is pressed, the shutter will run at the opposite position.

Scene Control.
If you already used MJLT-2005 to set up scene, you can also control scene 1 and 2 with this remote control.

Slide the function switch to 2 position
Scene 1.
Tap button once → Amber LED flash 1 time.
Scene 2.
Tap button twice → Amber LED flash 2 times.

OPERATION

MEBT-1706

Pair MEBT-1706 with MJLR-2001 module first by entering learning mode and with the function switch to 1 position, press button once.

Operation:

Slide the function switch to 1 position.
Method 1.
Press button once to open shutter.
While the shutter is opening press the button once to stop.

Press button twice to close shutter.
While the shutter is closing press the button twice to stop.

Method 2.
Press and hold down button to open or close shutter, when you reach to the desired position release button to stop.
Note: When shutter reaches to the top or bottom it will stop. To continue, press and hold down the button again.
The next time the button is pressed, the shutter will run at the opposite position.

Scene Control.
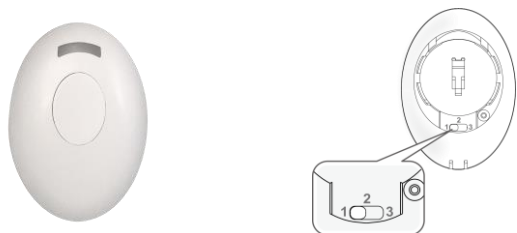If you already used MJLT-2005 to set up scene, you can also control scene 1 and 2 with this remote control.

Slide the function switch to 2 position
Scene 1.
Press button once → Amber LED flash 1 time.
Scene 2.
Press button twice → Amber LED flash 2 times.

OPERATION

MKFT-1704

Pair MKFT-1704 with MJLR-2001 module first by entering learning mode and with the function switch to 1 position, press button once.

Operation:

Slide the function switch to 1 position

Method 1.
Press button once to open shutter.
While the shutter is opening press the button once to stop.

Press button twice to close shutter.
While the shutter is closing press the button twice to stop.

Method 2.
Press and hold down button to open or close shutter, when you reach to the desired position release button to stop.
Note: When shutter reaches to the top or bottom it will stop. To continue, press and hold down the button again.
The next time the button is pressed, the shutter will run at the opposite position.

Scene Control.
If you already used MJLT-2005 to set up scene, you can also control scene 1 and 2 with this remote control.

Slide the function switch to 2 position
Scene 1.
Press button once → Amber LED flash 1 time.
Scene 2.
Press button twice → Amber LED flash 2 times.

OPERATION

9. Specifications

Battery:	MJLT-2005: 3V CR2032 Lithium Cell Battery
Input Rating:	MJLR-2001: 230V~50Hz
Output Rating:	MJLR-2001: 1000W*2 (Resistive Load)
Radio Frequency:	433.92MHz
Power consumption:	<1W
Environment Temperature:	0-40 ^{o}C
Range:	Up to 50 M (Depends on building materials)
In accordance with:	Low Voltage Directive 2014/35/EU
	RED Directive 2014/53/EU
CE Certification:	The CE marked affixed to this product confirms Its complaisance with the European Directives Which apply to the product and in particular its compliance with the harmonizes standards and specifications.

CE ♻ 🗑 RoHS

Dimension	MJLT-2005: 60 x 110 x 15 mm
	MJLR-2001: 48 x 48 x 25mm
Weight:	MJLT-2005: 60g
	MJLR-2001: 40g
Accessory pack enclosed:	2pcs double sided adhesive tape.
	2pcs screws.

SPECIFICATION