

Operation Manual



Model: Universal dimmer switch

Item No.: CMR-100

OVERVIEW:

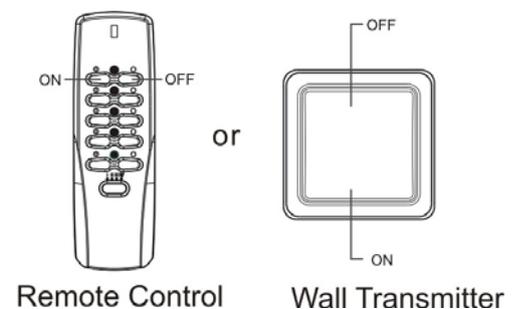
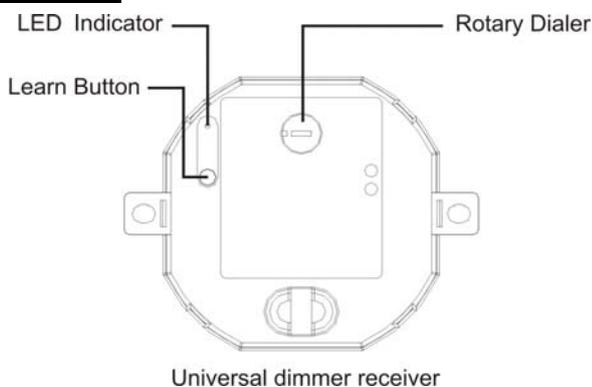
Featuring an unique universal plug and play adaptor that allows remote controlling existing house hold dimmable LED, dimmable energy saving lamp, incandescent lamp, 230V~ halogen lamp and 12V halogen lamp with inductive transformer or electronic transformer.

Hassle free wiring and easy built-in 8 steps rotary dialer setup for adjusting the lowest brightness level accordingly to different brands of lamp(s) used.

Compatible to available different type lamps of:

- Incandescent and halogen lamps (230V~) 20W-200W
- Electronic transformers (12V~) up to 20W-200W
- Inductive transformers (12V~): 40W-200W Max.
- Dimmable energy saving lamp: 3W-24W
- Dimmable LEDs 3W-24W
- ! Not compatible to fluorescent lamp

Specification



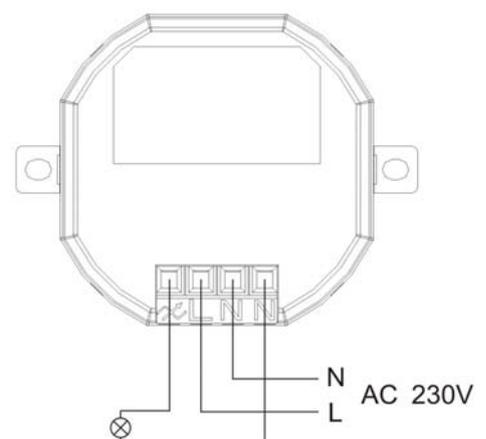
Wiring

Before commencing work, **ALWAYS** isolate the mains power supply and switch off the circuit breaker.

If universal dimmer receiver is to be fitted into a wall box, dismantle screw tab holder.

Connect AC wire and load to receiver block terminal.

- A) Live AC 230V wire into terminal “L-in”
- B) Neutral AC 230V wire into terminal “N-in”
- C) Load Live wire into terminal “~~X~~-out”
- D) Load Neutral wire into terminal “N-out”
- E) Connect back mains power supply.
- F) LED indicator will light ON and ready for pairing.



Pairing

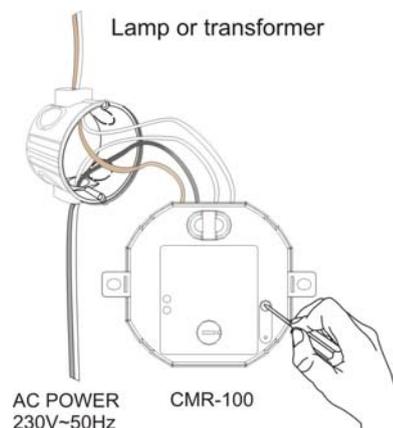
The universal dimmer receiver can pair with up to 6 different remote controls at any one time as it has a **maximum of 6 memories**.

This receiver is not to be controlled by “Code Switch System” remote transmitters.

Only compatible to “Self Learning System” remote transmitters.

Pairing using **LEARNING MODE**:

1. On the universal dimmer receiver press the **‘Learn’** button once, red LED will flash.
The universal dimmer receiver is now in learning mode.
2. Using a remote control press the **‘ON’** button intended to be paired; the load will flash twice to confirm that the remote control is now paired.



NOTE: Learning mode lasts for 12 seconds; if no signal is received from a remote control during this time then the dimmer receiver will automatically exit learning mode without pairing the device.

To exit learning mode manually, simply press the **‘Learn’** button again.

! If, during learning mode the load does not flash to confirm, this means that the universal dimmer receiver memory is **FULL** and no further remote control may be paired unless one of the existing remote control is first unpaired (see below).

Un-pairing

Removing single Device:

1. On the universal dimmer receiver press the **‘Learn’** button once, red LED will flash. The universal dimmer receiver is now in learning mode.
2. Using a remote control press the **‘OFF’** button intended to be unpaired; the load will flash twice to confirm that the remote control is now unpaired.

Clearing Memory (will remove all paired remote controls):

On the universal dimmer receiver press the **‘Learn’** button for 6 seconds (LED on receiver will flash), release then press once again. The load will flash twice to confirm that all remote control is now unpaired.

Lowest brightness setup

! Recommend using the same brand of load at the same time.

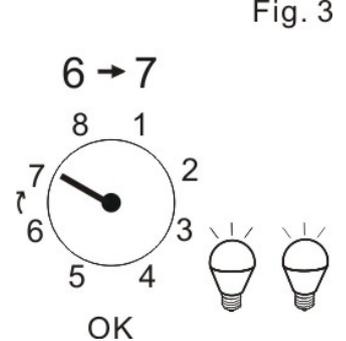
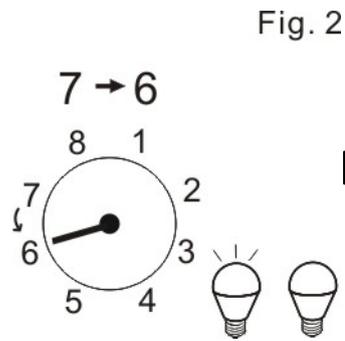
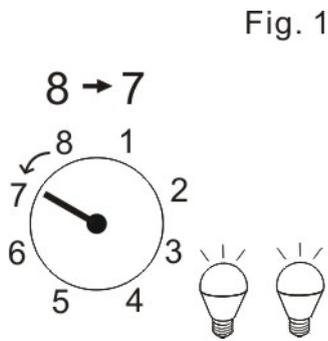
1. From factory pre-set the rotary dialer will be at 8 position.
2. Connect all lamps and with the paired remote control turn ON the universal dimmer, the lamp will rise to 100% brightness then dim down to the relevant brightness. You can clearly see the full range of dimming effect each time you alter the rotary dialer.



Fig.1 Adjust the rotary dialer anticlockwise from 8 to 7, the LED will rise to 100% brightness then dim down to the relevant brightness.

Fig.2 If you think the dim level is still too bright then alter further from 7 to 6, again the LED will rise to 100% brightness then dim down to the relevant brightness.

Fig.3 If during this step the LED flickers or turns OFF, the alter one step back from 6 to 7 for the most appropriate dim level setting.



Operation

Soft start ON/OFF Function:

Press the 'ON' button on remote control, the lights will gradually illuminate.

Press the 'OFF' button on remote control, the light will gradually turn OFF.

Dimming Function:

1. Make sure the load (light) is switched ON.
2. On the remote control press the ON button again, the loads will start to dim.
3. To stop at the desired brightness level, press the ON button again.

Dimming level dims in cycle, during the cycle if no signal is given 『with 4 cycles it will stop at 100% brightness』 .

! After setting a dim level using the remote control the light is then switched OFF, the next time that the light is switched back on again the dim level will automatically return to the previously stipulated setting.

Note:

This product is capable and safe for dimmable energy saving lamp and dimmable LEDs to operate up to 50W Max., but in order to fulfil the regulation the product specification rating must indicate 24W Max.

Caution:

Please leave minimum of 1.5 meters in-between 2 or more receivers.

Specification:

RF frequency: 433.92 MHz

Input rating: 220-240V~50Hz

Output rating:

Incandescent and halogen lamps (230V~): 20W-200W Max.

Electronic transformers (12V~): 20W-200W Max.

Inductive transformers (12V~): 40W-200W Max.

Dimmable energy saving lamp: 3W-24W Max.

Dimmable LEDs: 3W-24W Max.

Standby power consumption: Below 1W.