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ARC	MANUAL

WIRELESS MINI WALL MODULE MWMR-2300

CONTENTS

1. Overview and features

Powerful 2300W mini wall switch receiver module with adaptive mains zero crossing switching.

Main features of Mini Wall Module;

- Compatible to L and M series'.
- Small compact size for installation into wall box or inside light fittings.
- Delay off timer (1M / 10M / 1H / 4H) select by trimmer resistor.
- 32 memories, first in first out storage maintain.
- Scene status memory, create your desired atmosphere.
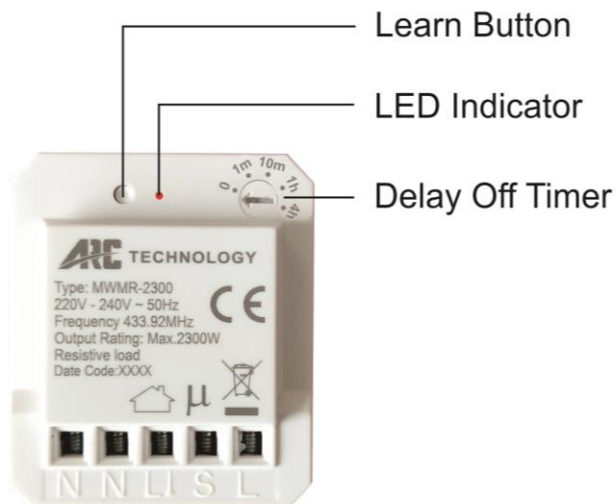- 2-way switch function.

⚠ Not compatible to:
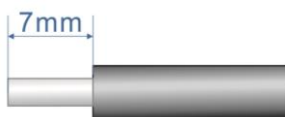
ARC Code switch system product range

2. Diagrams

Notes for the diagrams:

Learn Button

LED Indicator

Delay Off Timer

N - Terminal for neutral wire
L↓ - Output terminal for load wire
S - Terminal for power supply to the switch
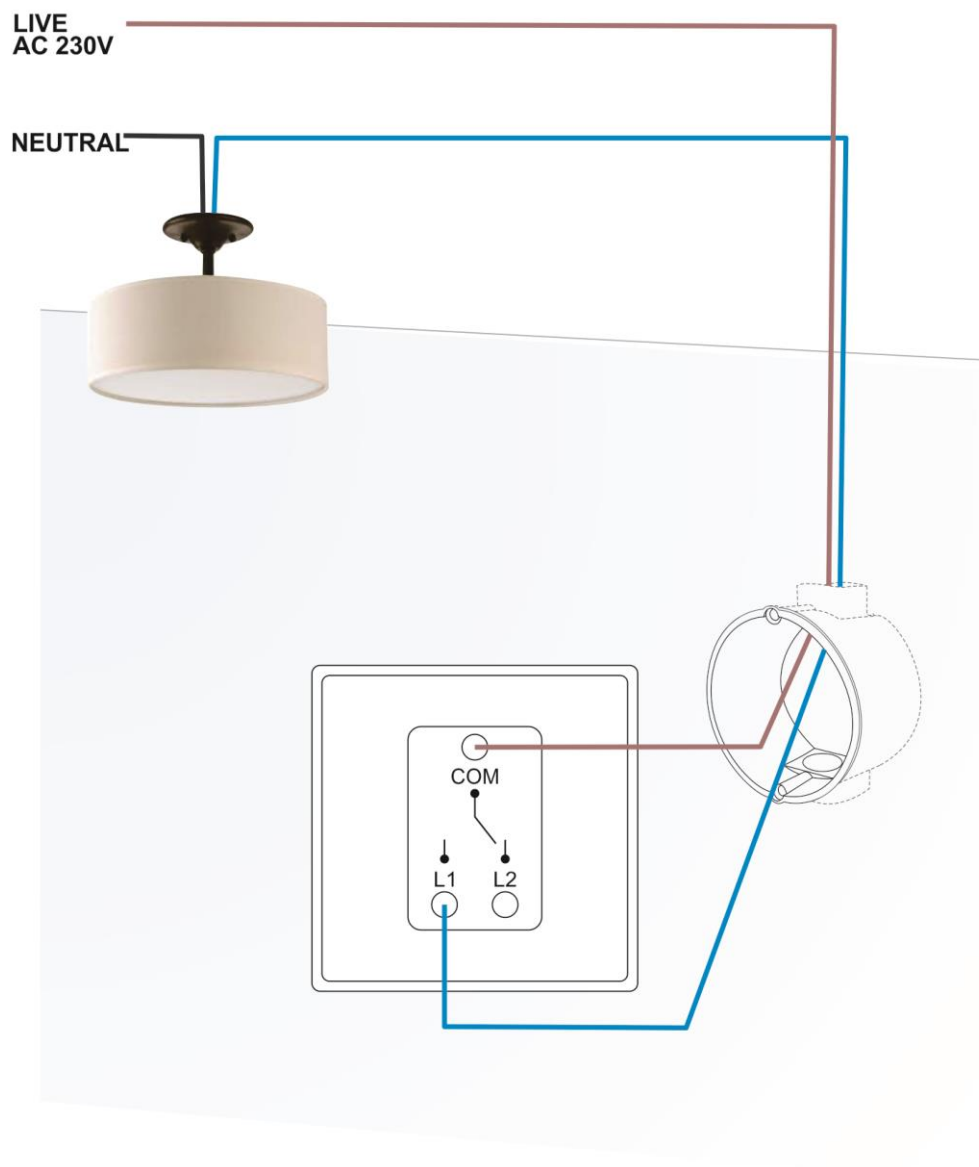L - Terminal for live wire

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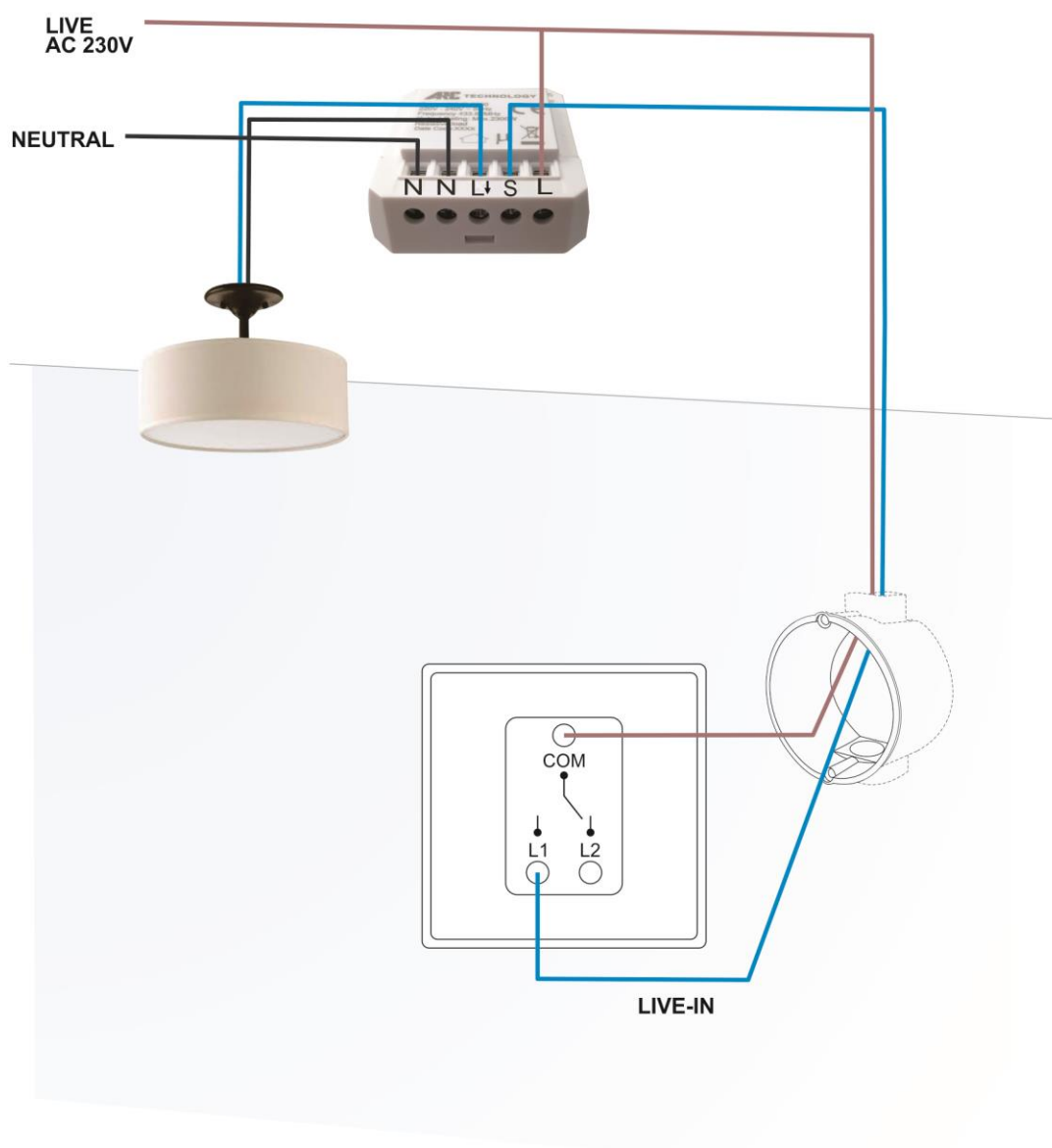- Suitable wire size for terminal is 1.6mm^2 to 2mm^2

7mm

3. Installation - Wiring

⚠ Cut off main power before installing and wiring.

Current existing house wiring should be as below.

LIVE AC 230V

NEUTRAL

COM

L1   L2

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Add mini module with one way operation

1. Connect permanent Live wire into module terminal 'L'.
2. Connect Neutral wire into module terminal 'N'.
3. Connect wire from module terminal ' L↓ & N' to Load.
4. Connect switch Live wire from module terminal 'S' into switch 'L1' terminal.
5. Connect permanent Live wire into switch 'Com' terminal.
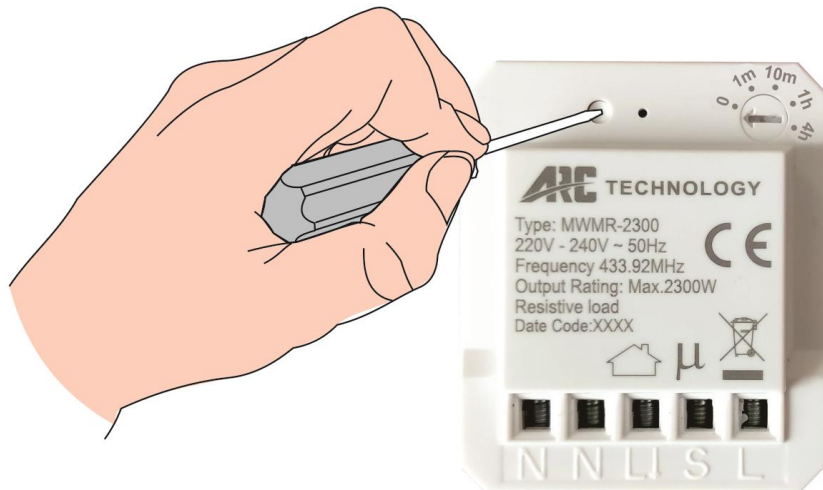6. Connect back mains power supply.

INSTALLATION - WIRING

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Add mini module with two way operation

Two Way Operation

1. Switch 1 and 2 must be connected together with wires into 'L1 & L2' terminal.
2. Connect permanent Live wire into module terminal 'L'.
3. Connect Neutral wire into module terminal 'N'.
4. Connect wire from module terminal ' L↓ & N' to Load.
5. Connect permanent Live wire into switch 1 'Com' terminal.
6. Connect switch Live wire from module terminal 'S' into switch 2 'Com' terminal.
7. Connect wire from module terminal 'L↓& N' to Load
8. Connect back mains power supply.

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4. Pairing / Un-pairing Device

PAIRING

Pairing using **LEARNING MODE**:

1. Press **'Learn'** button once (LED on module will flash), this will enter learning mode.

2. With a remote control press the **'ON'** button; LED on module will flash to confirm that the remote control is now paired.

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

Removing single Device:

1. Press **'Learn'** button once (LED on module will flash), this will enter learning mode.
2. With a remote control press the **'OFF'** button intended to be un-paired; LED on module will flash to confirm that the remote control is un-paired.
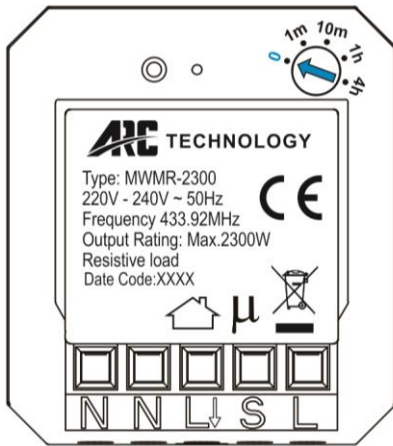
Clearing All Memory

Removing all memory stored in the module.

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

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5. Delay Off Timer Setup

You may choose the mini module to operate normally as an ON/OFF receiver or have the extra benefit to set up delay off timer.

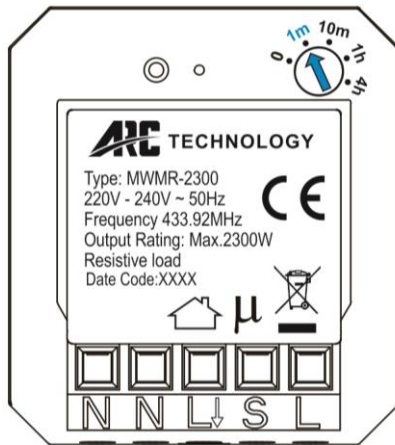Factory pre-setting will be at '0' hour position as normal ON/OFF receiver.

Set up delay off timer:

- There are 4 timer selections, 1 min – 10 mins – 1 hour – 4 hours
- Adjust rotary switch clockwise to the hours that you wish to setup.
- LED on module will blink once to confirm the mini wall module is properly setup in each time slot.
- Timer will only remember the first activate timer.
- If during timer count down you adjust the time slot, mini wall module will ignore the new timer until the current timer ends or you manually turn OFF. So next time you switch on the module the new timer will be activated.

Example:

1. Adjust rotary switch clockwise to position 1m. LED on module will blink once to confirm.

2. Turn ON mini module and timer will start to count down
3. Once timer reaches to 1 minute it will automatically turn OFF.
4. If during the count down the mini module is turned OFF then this will automatically deactivate the timer count down.

6. Operation

Mini module is compatible to "Self Learning" system and M series remote control. Please refer to the relevant user guide for detailed operation.

Operation via Rocker Switch:
Turn the load ON:
Toggle switch once to turn ON load.

Turn the load OFF:
Toggle switch once again to turn OFF load.

Operation example using in conjunction with a remote control and rocker switch. If load is switched ON from the rocker switch then switch OFF via the remote control.
The next time turning ON the load can either be:
(i)   on the remote press the ON button
      OR
(ii) on rocker switch toggle switch **once**.

Rocker Switch Two way operation:
Turn the load ON:
Toggle switch once to turn ON load.

Turn the load OFF:
Toggle switch once again to turn OFF load.

Operation example:
Switch 1 is located downstairs & Switch 2 is located upstairs.
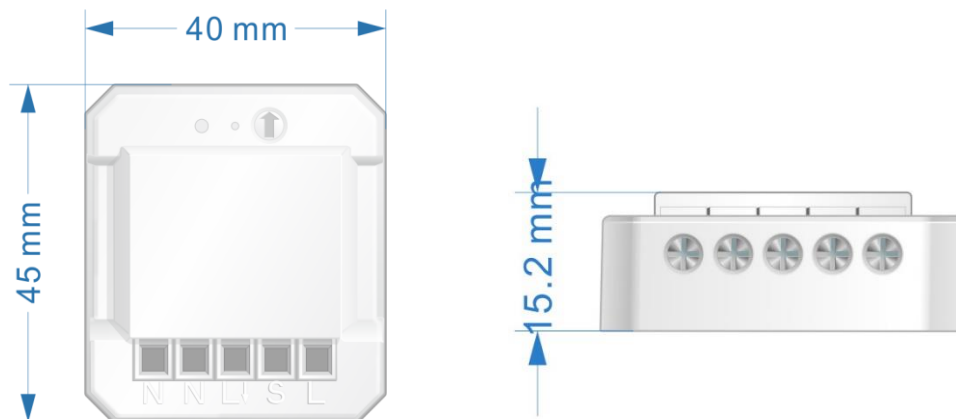While going up the stairs, toggle "Switch 1" once to turn ON the load, once you reach upstairs toggle "Switch 2" once to turn OFF the load.

OPERATION

7. Specifications

Input Rating:	230V~50Hz
Output Rating:	2300W (Resistive Load)
Radio Frequency:	433.92MHz
Power consumption:	<1W
Environment Temperature:	0-40 ^{o}C
Range:	up to 50 m indoors (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.

Dimension (L x W x H)	45 x 40 x 15.2mm
Weight:	20 g

NOTE

- Please leave minimum of 1.5 meters in-between 2 or more modules.
- When inserting module into back box make sure excess wires do not cover module's back side. This may reduce the performance of radio transmission.
- During standby mode, LED on module will not illuminate.

SPECIFICATION