

Inline Relay Operation Manual

Model No: JSJS LW830

It is important to install this product in accordance with the fitting instructions below. Failure to do so may render your guarantee void.

IMPORTANT: PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE AND FOR GUIDANCE ON THE ASSOCIATION OF REMOTE HANDSETS. FOR HELP AND SETUP GUIDANCE PLEASE VISIT www.lightwaverf.com

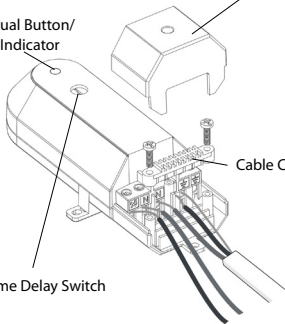
OVERVIEW:

Manual Button/
LED Indicator

Cable Cover

Time Delay Switch

Cable Clamp



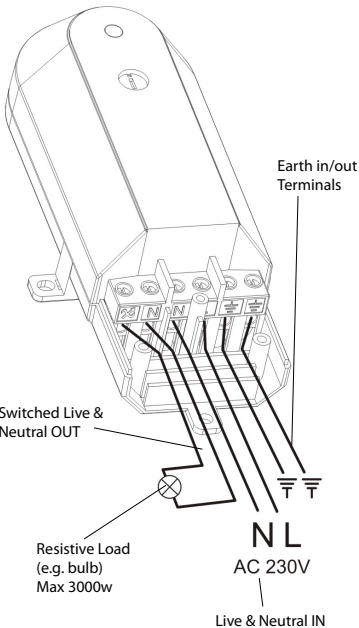
The Inline Relay is designed to switch mains rated resistive loads and is rated at up to 3000w. It is mains powered and includes a built-in time delay switch. The relay can be operated using any LightwaveRF Connect Remote or other transmitter.

FITTING AND WIRING INSTRUCTIONS:

Important Things to Consider Before you Begin

- 1). Before commencing work, ALWAYS isolate the mains power supply and remove the fuse in the fuse box or switch off the circuit breaker in the consumer unit.
- 2). If unit is to be used as a replacement for an existing product, remove existing unit from its location and disconnect the wiring.
- 3). Connect the wires as shown in appropriate wiring diagrams. Use green/yellow sleeving on any earth conductors not insulated. Ensure terminals are properly tightened and no bare wire is visible. When mounting products into mounting boxes make sure conductors are not trapped.
- 4). Products must be installed in accordance with the latest building and IEE wiring regulations. If in any doubt, please contact a qualified electrician.

INSTALLATION:



Installing the Inline Relay

- 1) Switch off the mains power
- 2) Connect the incoming Live and Neutral wires from the 230v mains circuit to the live and neutral terminals as shown in the diagram (incoming wires marked L & N).
- 3) Connect the incoming earth wire to one of the earth terminals indicated on the diagram. There are two terminals to accommodate an incoming AND an outgoing earth if required.
- 4) Connect the switched live and outgoing neutral wire connected to the switched circuit to the corresponding terminals as shown in the diagram.

IMPORTANT: Remember that the maximum loading for the Relay is 3000w (resistive load). Exceeding this limit could cause damage to the device.

SETUP:

IMPORTANT: Make sure that the relay is accessible once installed in order to operate the manual button for pairing.

Pairing with a LightwaveRF transmitter

1) Press and hold the manual button on the Inline Relay until the LED starts to flash.



2) Press the 'on' or 'up' button on the transmitter. The LED will flash quickly for 2 seconds to indicate a successful pairing.

NOTE: The Inline Relay can be paired with up to 6 separate transmitters at any one time.

Unpairing with a LightwaveRF transmitter

1) Press and hold the manual button on the Inline Relay until the LED starts to flash.

2) Press the 'off' or 'down' button on the transmitter (the LED will flash quickly for 2 seconds to indicate a successful unpairing of that device).

Complete Memory Reset

- 1) Press and hold the manual button. Release the button once the LED begins to flash. Press and hold a second time until the LED flashes more quickly.
- 2) Press (don't hold) the manual button a third time. The LED will flash quickly for 2 seconds to indicate that the memory has been cleared.

Setting the timer

The Inline Relay has an automatic time delay function built-in. This offers 8 separate time delays ranging from 3 seconds to 8 hours. After being turned on, once the allotted time has elapsed, the relay will automatically turn off.

Setting:

- '0': No timer set (default standard on/off operation).
- '3s': Automatically turn off after 3 seconds.
- '30s': Automatically turn off after 30 seconds.
- '1m': Automatically turn off after 1 minute.
- '10m': Automatically turn off after 10 minute.
- '2h': Automatically turn off after 2 hours.
- '4h': Automatically turn off after 4 hours.
- '8h': Automatically turn on/off after 8 hours.

Additional independent time delays can also be set using the 'timer' function on the LightwaveRF Smartphone app (requires the LightwaveRF Wifi-Link).

OPERATION:

- 1) Press the 'on' button on the transmitter to turn the circuit on.
- 2) Press the 'off' button on the transmitter to turn the circuit off.
- 3) Press the Manual button to toggle the Relay on/off Manually.

NOTE: If the RF range between the transmitter and receiver is too great to achieve reliable operation, the LightwaveRF **SIGNAL BOOSTER** may be used in conjunction with this product to increase the signal strength over greater distances.

SPECIFICATION:

Radio frequency: 433.92 MHz

Input: 230V~ / 50Hz

Output: max. 3000 watts for resistive load

Operating distance: 30 meter closed field.

Standby power consumption: ≤ 1 w.



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