

PIR

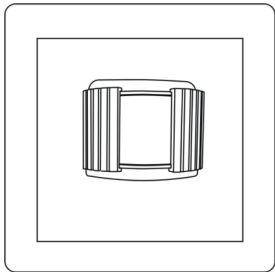
Operation Manual

Model No: JSJS LW107

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

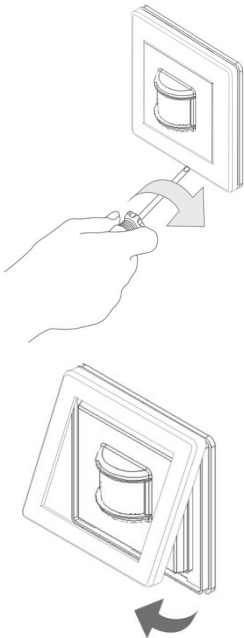
IMPORTANT: PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. FOR HELP AND SETUP GUIDANCE PLEASE VISIT www.lightwaverf.com

OVERVIEW:



INSTALLATION & SETUP

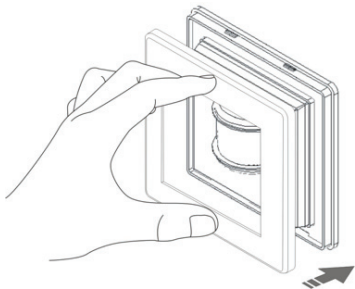
1. Carefully remove the frame by inserting a flat head screwdriver into the slots and lift away from the unit.



2. Stick double-sided tape onto the back of the base to stick on the wall, or alternatively the base may be screwed to the wall (double-sided tape and screws are included). If using the tape, ensure that the switches on the reverse are not obstructed.

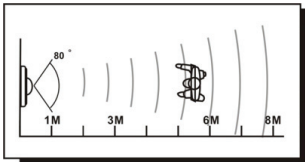
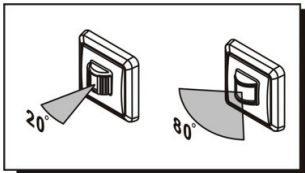
3. Install batteries, (x 2 AAA 1.5V Alkaline, not included). To do this, remove the frame and pull off the back cover.

4. Replace the plate – a 'click' sound should be heard to signify that the plate has been correctly replaced.



Detection Angle

1. Vertically, the maximum detection angle is 65 degrees.
2. Horizontally, the maximum detection angle is 80 degrees without lens-cover and 20 degrees with the lens-cover (uncut).

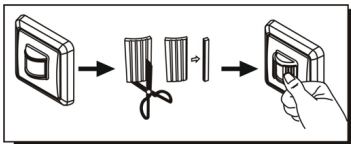


Lens Cover

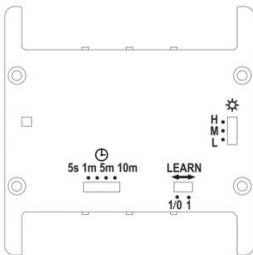
The use of the lens-cover is optional.

- With a full lens-cover the maximum detection angle is 20 degrees.
- The lens-cover may be cut to alter the detection angle (the narrower lens-cover, the wider detecting angle).

- Alternatively the lens-cover may be completely removed to give a maximum detection angle of 80 degrees.



Function of Switches



PAIRING SWITCH

1. Set the motion detector to '1/0' or '1' mode and position near to the receiver with which it will be paired.
2. Press the learning button on the receiver. The LED will flash.

3. Slide the pairing switch from either from '1/0' to '1' or '1' to '1/0'; the PIR will then send the RF code to the receiver.

4. If the receiver is linked to a lamp the lamp will flash twice to confirm that the PIR is paired. The receiver LED will stop flashing.

- If the switch is moved to position '1' during pairing (see below for pairing instructions) then the 'ON' code will be transmitted to paired devices when the PIR is triggered, and an 'OFF' command sent after the set delay period (see below).

- Switching from '1' to position 1/0 during pairing will cause the PIR to send the 'ON' code when triggered but NOT the following 'OFF' command, therefore the receiver (e.g. lamp) will remain ON until manually turned off.

DELAY-OFF TIME SWITCH

- The switch has 4 positions: 5sec./1min./5min./10min.
- Each selection refers to the delay period after the PIR is initially triggered and the 'ON' command is sent, before which the 'OFF' command is then transmitted.

LUX. SETTING SWITCH

- The switch has 3 positions: H/M/L.
- In position 'H' the 'DELAY-OFF TIME' switch is disabled (when working with a door chime receiver, set the PIR in H mode).

- In position 'M' the PIR will become active when daylight levels fall under 20 +/-5 lux. (about late afternoon levels)
- In position 'L' the PIR will become active when daylight levels fall under 10 +/-5 lux. (about late evening levels)

NOTE: When changing the LUX setting it may take up to 30 seconds for the PIR to adjust.

Battery Low Indicator

The Battery low indicator is positioned inside the sensor lens. If the battery is low, the indicator will blink after the set delay period ends to inform that the batteries need changing.

SPECIFICATION

RF frequency: 433.92 MHz

Delay-off Time: 5sec./1min./5min./10min

Angle of detection:

Vertical- max. 65 degree

Horizontal- max. 80 degree without lens-cover ~ 20 degree with lens-cover uncut.

2x 1.5V AA Alkaline battery not included

Adhesive tape x 2pcs included

Screws x 2pcs (direct screwing onto the wall) included



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If you are going to use LightwaveRF equipment in your house, please read the information below to ensure you will get the most out of your hardware.

Loading

Our one and two gang dimmers can handle a maximum of 250W of load on *each gang* of the switch. The three and four gang switches have a maximum load of 210W on *each gang*. If you exceed this load, the switches may overheat and cease to work correctly.

Each gang requires a minimum load to function. This is generally 40w but can be lower with some lamps. This is generally the case with LEDs where a load of 14W can be enough to have the switch operating.

Bulbs

LightwaveRF switches can be used with standard incandescent bulbs, halogen bulbs (including low energy halogens) and dimmable LED bulbs (see below).

Fluorescent tube lighting, including CFL bulbs cannot be used with LightwaveRF equipment. This includes the LightwaveRF CFR bulb.

LEDs

As there is no standard set for LEDs at present, we cannot state that every dimmable LED will work with LightwaveRF equipment. Even if exceeding the minimum load, certain LEDs will not function on their own. In these situations wiring a dummy load* in parallel across the circuit will correct the issue.

The following LEDs have been tested and do work when at least 2 lamps are in a circuit:

- AuraLED AL-GU10 PRO 5W
- AuraLED AU-GU10 5x1W
- Auralux AU-5W LED Globe 5x1W
- IstorialED G9 DL Flood
- IstorialED G9 WW Flood
- TCP Dimmable Energy Saver LED 5W
- Truelux 230-5W-DIM
- Toshiba LDRC0627MU1EUD 6.5W 270lm LED

Please check www.lightwaverf.com for up-to-date information on compatibility.