

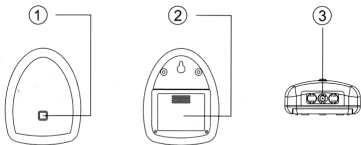
## Energy Monitor Operation Manual

### Model No's: JSJS LW600

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](http://www.lightwaverf.com)**

### OVERVIEW:



#### KEY

1. LED to indicate the data transmission
2. Battery compartment
3. Sensor cable sockets (3pcs)

This device enables you to view your current electricity usage using a smartphone, iPod Touch/iPhone/iPad or a PC webpage (not included). This product must be used in conjunction with a LightwaveRF Connect Wifi-Link and wireless router (not included).

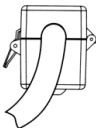
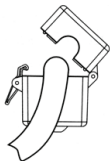
## **INSTALLATION:**

### **WARNING!**

Extreme care must be taken when working with electrical equipment as touching exposed electrical wires may result in electrocution. If you are in any doubt, please consult a qualified electrician.

### Attaching the transmitter

1. Locate Electricity Meter and identify live supply cable.
2. Visually inspect the insulation (plastic covering) to ensure no damage or deterioration such as cracks in the outer covering, visible copper cores etc.
3. Firmly attach the sensor around the cable using the self-locking cable clamp.



4. Insert the 2 X AA batteries into the transmitter.

5. Attach the transmitter to the wall using the wall mount kit provided, ensuring that the length of the sensor cable will reach the location of the transmitter.

## **SETUP:**

The Energy monitor is designed to work in conjunction with the LightwaveRF Connect Wifi Link. Please refer to the Wifi-Link setup instructions for guidance on how to install and setup the app or web console.

### PAIRING THE ENERGY MONITOR

Once you have set up the Wifi-Link and installed the Energy Monitor, you will need to pair the two together.

1. Ensure that you are in RF range of the device when setting up (generally within the home is acceptable range).

2. On the Wifi-Link Menu screen, press one of the green buttons to scroll across until 'Energy Monitor' is displayed. Press the green button next to the word 'install'.

3. Press the green LED button on the Energy Monitor. The LED should flash green to indicate a successful pairing. The monitor is now paired with the Wifi-Link.

## OPERATION:

Once you have paired the Energy Monitor and Wifi-Link, after around 30 seconds the monitor will start to send data to Wifi-Link which will be displayed on the LCD screen.

The energy data can also be displayed on the LightwaveRF app or PC web console. As long as your device is registered with the Wifi-Link, you should automatically be able to see the live data by migrating to the 'Ecometer' tab (there may be a short delay when you first view the page).

You can adjust the electricity tariff cost calculations by choosing 'Comm Settings' and then 'Eco Meter' on the settings tab of the app. For guidance on how to do this using the web console please follow the online instructions.

### Battery Replacement

Requires 2 AA batteries (not included). **When battery voltage is low, the transmission range may become poor and meter readings may be unreliable.** Slide down the battery cover and replace with a fresh new battery.

## **SPECIFICATION:**

RF frequency: 868 Mhz

Range: >30m

Power supply: 3V (2 x AA batteries)

Blue LED indicator

Operating Environment:

Operating temp: 0°C-50°C

Storage temp: 0°C-70°C



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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](http://www.lightwaverf.com) for up-to-date information on compatibility.