OWL Micro

2save energy plc

Specification

Dimensions	Width	Height	Depth	Weight -no Battery	Comments
Display	79mm	86mm	53mm	~140g	Depth to end of stand
Transmitter and Sensor	56mm	90mm	25mm	~160g	Sensor to Transmitter connecting cable length ~750mm
	50mm	50mm	50mm		

Accuracy (Resistive Load)	<1A	1A to 3A	3A to 71A	3A to 200A
Current RMS ➔ 71Amp Sensor	Not Specified	Better than 10%	Better than 5%	N/A
Current RMS ➔ 200Amp Sensor	Not Specified	Better than 10%	Better than 5%	Better than 5%

Wireless Link	433MHz Radio Frequency
Wireless Range	30 metres in open area [walls, partitions and electrical appliances may affect reception range]
Display Power Supply	2xAAA / LR03 1.5V Batteries
Transmitter Power Supply	2xAAA / LR03 1.5V Batteries
Operating Temperature	5℃ ~ 45℃ (41℉ ~ 113℉) at 85% relative humidity
Storage Temperature	-5℃ ~ 60℃ (23℉ ~ 140℉) at 85% relative humidity

Display Features

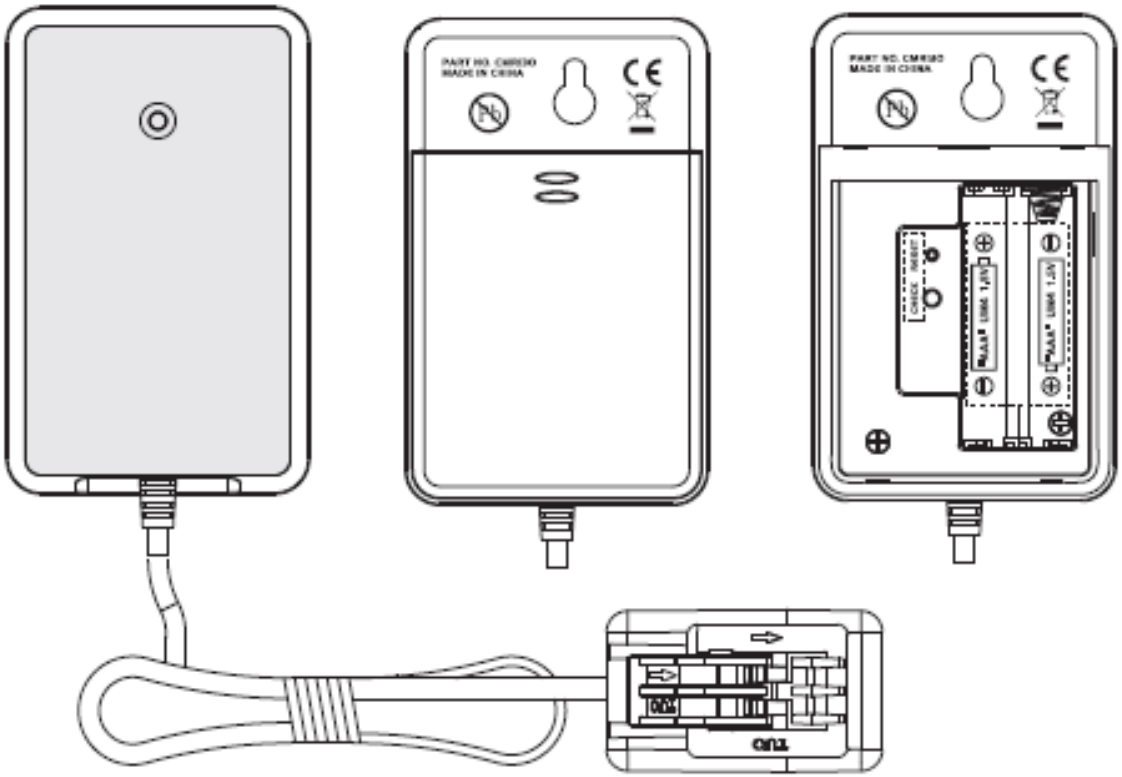
DISPLAY

1. Real Time Data Display
2. Indicates Display Mode
   - COST
   - ENERGY
3. Measurement units for Display Modes
4. Accumulative/Historical Data Display
5. Currency Units for Cost Display Mode
6. Indicates Battery Power Saver is ON
7. Low Battery Indicator
   - Display
   - Remote (Transmitter)

TRANSMITTER

8. RESET key
9. INCREMENT key [▲]
10. DECREMENT key [▼]
11. SET key

Transmitter Features



1. **Flashes to indicate data transmitted from Sender Box**
2. **CHECK key:- Forces transmission every 2 seconds (for 30 Seconds)**
3. **RESET key:- Resets the Sender Box and clears all data held in memory**
4. **Battery Compartment**
5. **Attached Standard Sensor**

SWITCHING BETWEEN DISPLAY MODES

1. **Electricity use can be viewed in a Cost or Energy Display. Press [▲] or [▼] to switch between the Display Modes.**
2. **In the Cost display view current cost of electricity per hour in the upper screen and accumulated cost since last reset in the lower screen.**
3. **In the Energy display view current kW in upper screen and accumulated Energy (kWh) since last reset in the lower screen.**

SETTING THE COST

1. **The cost of electricity per hour can be set from 00.00 to 99.99 pence. Press and hold the [SET] key to enable the SET Mode to adjust the cost of electricity per hour (Default 10.00).**
2. **The "Main Units" will flash slowly ("10"). Press [▲]and/or [▼] to adjust the cost of electricity per hour "Main Units". Press [SET] to confirm Main Units value. The "Sub Units" will flash slowly ("00"). Press [▲]and/or [▼] to adjust the cost of electricity per hour "Sub Units". Press [SET] to confirm Sub Units value. The cost of electricity per hour has been set and returns back to display mode.**

PLACE DISPLAY INTO POWER SAVE MODE

1. **The display unit has a power save mode to extend the life of the batteries, by changing the receive rate from every 6 seconds to every 60 seconds.**
2. **Note that the Transmitter has an auto power save as it transmits every 6 seconds only if there is a change in the electricity usage otherwise transmits every 60 seconds.**
3. **Press and hold [▼] key to place Display into or to take Display out from Power Save Mode.**

RESET ACCUMULATED VALUES

RESET ACCUMULATED VALUES

1. **Press and hold [▲] + [▼] keys simultaneously for greater than 2 seconds to reset the accumulated cost & energy values to 0.**

LOW BATTERY WARNING

A low battery warning icon will appear in top right hand corner of the display when in either the COST or ENERGY display modes.

This indicates that the batteries in the Display or Transmitter are coming close to the end of their usable life and should be replaced soon.