

Mains Sentry – User Instructions

The Mains Sentry is intended to alert users to a failure of the Mains Electricity supply. It can be plugged into a standard UK 13 Amp socket and will warn the user of a mains power supply failure by ‘beeping’.

The unit has an internal power supply that is automatically re-charged when the unit is plugged into the mains socket and the mains power switched on. The internal power supply supports the unit during a power failure.

There is a green indicator that shows when mains power is present. During a Power failure the unit makes a beeping sound.

Using the Unit

The unit consists of two items:

- 1) The ‘Power Sensor’, this monitors the mains power.
- 2) The ‘Power Supply Adapter’, this supplies power to the sensor.



- a) Plug the Power Supply Adapter into the mains socket that you want to monitor.
- b) Plug the Power Sensor into the Power Supply Adapter Socket which is on the top of the adapter.

NOTE: The Power Sensor only fits one way round in the socket, the label should face forward.

- c) As soon as the Mains Socket is switched on, the Green Power Indicator on the front of the Power Sensor will illuminate indicating that there is mains power present. Also, the unit will start beeping – this is perfectly normal and indicates that the unit is working correctly.
- d) To stop the unit from beeping, press the ‘Reset’ button.
- e) The unit is now ready and monitoring the mains power. The internal battery will be automatically charged by the unit. The battery will take about 2 hours before it is fully charged.
- f) If the mains power fails, the Green Power Indicator on the front of the Power Sensor will not be illuminated and the unit will start beeping indicating a mains power failure. To stop the unit from beeping press the reset button
- g) If a power failure occurs and you do not reset the unit, the unit will continue to beep until the internal battery runs down – this will take about 2 to 3 hours. When Mains Power returns, the unit will start beeping again.

This is so that if you were not present when the power failure occurred (i.e. you were out of the house) and power then returned whilst you were still out of the house, you would be alerted that there had been a power failure whilst you were away.

To stop the unit from beeping, press the reset button.

Mains Sentry – Specifications

Mains Power	UK Mains – 230 Volts AC 50 Hz
DC Power to the Unit	+ 5 Volts @ 200 mA Max
DC Power Connector	USB Type A
Internal Battery	2.5F Ultra Capacitor (not user replaceable)
Operating Temperature Range	0 to 40 °C
Operating Humidity	0 to 80% RH Non-Condensing
Certification	CE - Relevant EU Directives (Electrical Safety, EMC and WEEE).
ROHS	Compliant with EU ROHS Directive.

Notes:

The unit is intended to be used in a dry household environment (i.e. indoors).

It is not intended to be used outside and the power adapter and the sensor unit should not be allowed to get wet.

The internal battery (Ultra capacitor) will not require replacing during the life of the product and is not replaceable – there are no user replaceable parts in the unit.

The power sensor should only be used with the mains power supply adapter supplied with the unit.

Do not dispose of in the household waste. The unit can be recycled at appropriate recycling centres. If in doubt, return the unit to Xtronix Ltd for disposal.

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RoHS

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