110-230Vac Power Supply Monitor

Features

- AC Power Monitor with RF Transceiver
- Power Status can be monitored on your Smartphone - anywhere.
- Automatically Triger Local RF Receiver
- FM/LoRa Spread Spectrum Modulation
- FM Range upto 1Km
- LoRa Range:
  - Up to **3Km** range line of sight.
  - Up to **1Km** range in buildings
- Screw Terminal Connections
- Weatherproof IP68 Enclosure



Description

This Sensor monitors the presence of a 110-230Vac power line and provides regular updates (user configured) of the power status on one or many users Smartphones/ Website.

When the power fails or is restored an immediate RF signal is sent from the sensor. This can also directly trigger a local RF Receiver to switch any local apparatus / alarm / sounder / backup generator etc.

Ordering Information

Part Number	Description
SENW-ACPF-8T1	110/230Vac Sensor 868MHz
SENW-ACPF-9T1	110/230Vac Sensor 918MHz

RIoT AC Power Supply Monitor

Application example: Monitoring Power to a Refrigerator Freezer



Technical Specification

Dimensions: 92 x 92 x 59mm

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage TX/RX:	100	230	250	Vac
Operating Frequency*		869.50 918.000		MHz
RF Output power			+20	dBm
Bandwidth (Spreading Factor)		60		KHz
RF Packet TX Transmit operation: Mode FM Mode 3		 20 200		 mSecs

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