



S14 - MICROPNP AC POWER MONITOR AND RELAY

PRODUCT DESCRIPTION

The MicroPnP™ AC Power Monitor and Relay (**S14**) provides detailed information on the power consumption of connected mains equipment and can also switch the connected equipment on or off. The AC power monitor and relay peripheral provides power to the connected device, avoiding battery drain.

MICROPNP PERIPHERALS

MicroPnP Peripherals are self-identifying sensors and actuators that connect to MicroPnP Wireless Devices to provide plug-and-play sensing and control.

The MicroPnP software automatically installs and configures all drivers, eliminating the cost and complexity of deploying an IoT network.

Note: only one peripheral of this type may be connected to a MicroPnP Wireless Device.

APPLICATIONS

Next to switching connected mains equipment, this peripheral provides detailed information on power consumption for all energy monitoring scenarios:

- ★ Joule energy during sample period
- ★ kWh power consumption
- ★ Current RMS (A)
- ★ Voltage RMS (V)
- ★ Line frequency (Hz)
- ★ Power (real) in watt
- ★ Power (reactive) in watt
- ★ Power factor
- ★ Peak current in AC cycle (A)
- ★ Peak voltage in AC cycle

CORE COMPONENTS

The **S14** is based on the CS5463 single-phase bi-directional power/energy chip from Cirrus Logic®, for more information please visit:

[CS5463 F3.pdf](#)

S14 CHARACTERISTICS

Characteristic	Value	Unit
Operating voltage	100-240	V
Maximum current	10	A
Min/Max period between updates	10 / 86400	s

RELATED PRODUCTS

Item **S14** requires a MicroPnP Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the MicroPnP catalog:

versasense.com/files/VersaSense-Catalog.pdf

INFORMATION/SUPPORT

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