

# WI-EM-4

POWER MONITOR MODULE



P: 080-42049370  
E: info@sonetnix.com  
A: #14, HD Tower, Green Garden Main Road,  
K. Channandra, Bengaluru – 560 113

www.sonetnix.com

## FFEATURE

- Sonetnix WI-EM-4, Power monitor module incorporates 4-channels that can be connected to monitor power of devices. The Power monitor module can be interfaced with any 3rd party processor.
- Maximum of 10A load can be connected to each channel. As with other Sonetnix products, all S-NET commands are available to use and program the Device as per user needs thus extending its functionality.
- Third party automation modules or other Sonetnix modules are interfaced through RS-485 or High speed 2.4 GHz WI-Fi technology communication.

## OTHER FEATURE OTHER FEATURE

- 4 Channels Power monitor module, standard type @10A per channel
- Energy monitoring
- Line voltage monitoring
- Built-in energy usage and event logging
- Front panel main power switch and status indicators
- LEDs on the modules indicate communication to a Sonetnix network, input power to the module, and output power to the load.
- Easy installation with DIN rail mounting
- 0.96 inch OLED Display indicates the S-NET ID (default) or IP Address.

## FRONT PANEL

Two Push button switches on the front panel provide three functionalities. One the (1) **SETUP BUTTON SWITCH** used to configure and set up the device. (A) WHEN DOUBLE TAP the **SETUP BUTTON SWITCH** it will change the device from wired to wireless mode and vice -versa.(B) WHEN LONG PRESS the **SETUP BUTTON SWITCH** for 5 sec it will erase all data stored in the device.(C) Single tap the setup button, user can read the ID or IP Address using 0.96 inch OLED Display. The other one (2) **RESET SWITCH** used reset the device.

## S-NET

The WI-EM-4 communicates with a 3rd Party control system via the S-NET control network. A pair of S-NETports is provided on the WI-EM-4 for easy daisy-chaining of several DIN Rail Series automation control modules.



## ELECTRICAL SPECIFICATION

Operating Voltage	: 240VAC, 50/60Hz
VAC Current Accuracy (% of CT range @ 50-60 Hz, excluding current transformer)	: ±0.5%
Power Accuracy (% of (Vrms range) * (CT current rating), @ 50-60Hz)	: ±0.5%
Current Transformer (CT) Outputs Supported	: 10 A
Operating Temperature	: 0 - 45 °c
S-NET Power Usage	: 6 Watt (0.5A @12Volts)

## CONTROLS & INDICATIONS

<b>PWR</b>	: (1) Red LED illuminates when DC power is applied to the power port
<b>COM</b>	: (1) Yellow LED, indicates communication with the control processor
<b>NW</b>	: Bi-colour LED Red Indicates connection loses with router & Green indicates connection established.
<b>CH1 - CH4</b>	: (Blue) Channel status indication LEDs
<b>Setup, Reset</b>	: Miniature push button switches to configure and reset the device manually
<b>OLED Display</b>	: (1) 0.96 inch display to monitor the Device ID or IP Address

## CONNECTIONS

<b>CHANNELS (1-4)</b>	: (4) 2-pin 7.62 mm detachable terminal blocks with 10A per channel.
<b>S-NET</b>	: (2) 4-pin 3.81mm detachable terminal blocks for S-NET communication