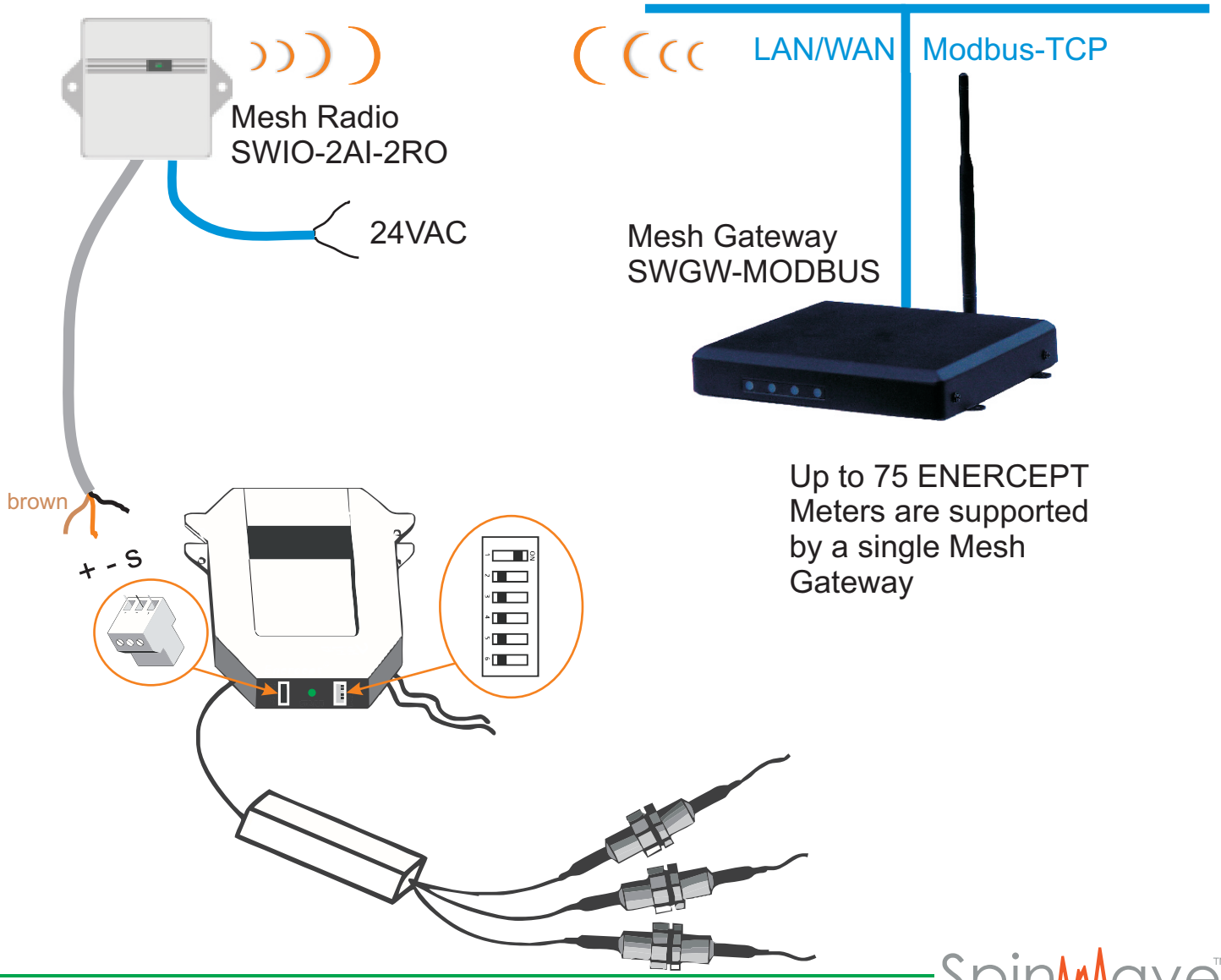
Product Data Sheet
Veris ENERCEPT H8036 - SWIO-2AI-2RO

Operation

Spinwave Systems' IEEE 802.15.4 Radios wirelessly enable the Veris ENERCEPT H8036 Modbus Energy Meter. The radio simply connects to the Meter's RS-485 port.
Up to 75 H8036 Meters or other Spinwave wireless nodes are supported by a single Spinwave Modbus Mesh Gateway (SWGW-MODBUS).
Each radio is a full function device and operates as a repeater.
All H8036 Modbus registers can be wirelessly retrieved at 10 second intervals.

Installation

1. Set meter DIP switch to address 1 (default).
2. Connect the voltage leads and CTs.
3. Remove the terminal block and attach the RS-485 wire. Observe polarity (see diagram).
4. Make sure that meter LED is blinking green.
5. Apply 24VAC or 12VDC power to radio.
6. Connect PC to Mesh Gateway. Open browser and discover devices.



Up to 75 ENERCEPT Meters are supported by a single Mesh Gateway

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Specifications

Enclosure
- ABS-V0 plastic

Installation
- Surface-mount

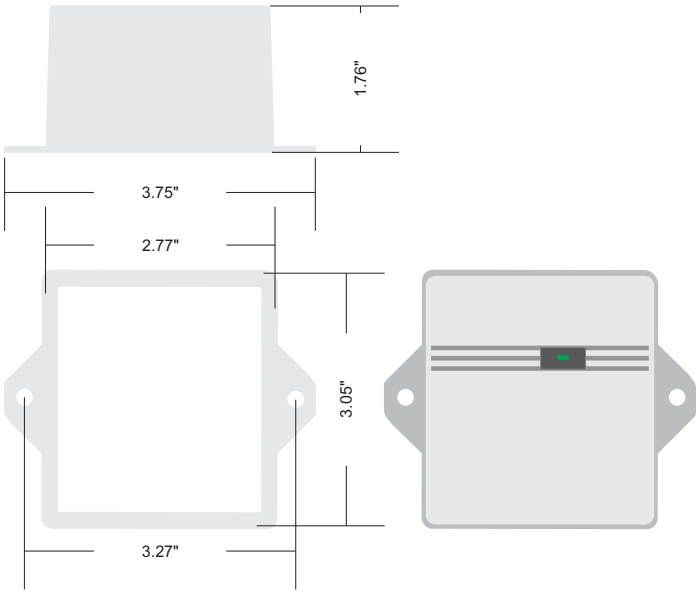
Operating Conditions
- -4°F to 122°F (-20°C to 50°C)
- 5% to 95% R.H. non-condensing

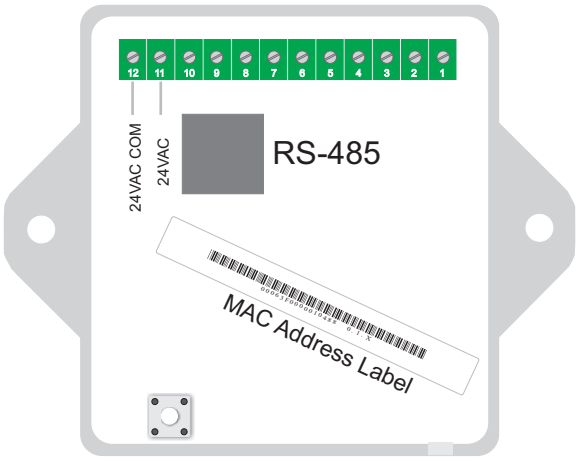
Storage Conditions (Sensor)
- -40°F to 176°F (-40°C to 80°C)
- 5% to 95% R.H. non-condensing

Radio Characteristics
- 2.4GHz, IEEE 802.15.4
- Transmit:10dBm
- Receive: 0.0 dBm to -93dBm
- Transmission interval: min. 10 seconds, user configurable
- Open field range: 1400 ft/470 m (10dBm - 10dBm)

·Inputs
- RS-485 Modbus RTU

Power
- 24VAC, +/- 20%, 50/60Hz @ 2VA or
- 12VDC





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