



WideSky Hub

WideSky® Hub is a low-cost wireless mesh solution for distributed metering applications.

Designed to be an easily installed highly resilient metering solution, the **WideSky® Hub** integrates seamlessly with Modbus and pulse metering devices while removing the need for time consuming and often difficult communications cable runs.

With a node to node distance of up to 200m, even the most complex installations become easy to manage.



Key Features:

- ▶ 2 x Modbus Meters
- ▶ 2 x Water Meters
- ▶ 2 x Solenoid Valves
- ▶ 2 x Relay Control
- ▶ Interval Logging
- ▶ 200 Meter Range
- ▶ 6LoWPAN Wireless Mesh (Thread Protocol)

Specifications

➤ Wireless Communications

- Compatibility - 2.4-GHz IEEE 802.15.4, 6LoWPAN
- Security - AES 128/256 SHA2, Thread
- Connector - SMA, Female

➤ Serial Communication

- Port Type - RS-485 2-wire
- No. of Ports - 2
- Compatibility - Modbus RTU
- Protection - 15KV ESD Isolation
- Connectors - Terminal block

➤ Pulse Inputs

- Port Type - Digital Input (Wet)
- No. of Ports - 2
- Compatibility - Dry contact Reed switch
- Protection - 8KV ESD Isolation
- Connectors - Terminal block

➤ Control Output Compatibility

- Electrical - Two Coil Bi-Stable Latching
- Water - Single Coil Bi-Stable Latching
- Connectors - Terminal block or pre-wired
- Voltage - Supply Voltage (12-24VDC)
- Current - 1.2A Nominal

➤ General

- LED Indicators - System: Power, Error
- Network: Connectivity, Error
- Serial: Tx/Rx, Error
- Pulse: Pulse Rx

➤ Mechanics

- Dimensions - 32x118x96mm (WxHxD)
- Incl. DIN Mount- 32x118x112mm (WxHxD)
- Enclosure - ABS with mounting hardware
- Mounting - DIN-rail
- Weight - 0.3kg

➤ Power Requirements

- Power Input - 9 to 36 VDC
- Consumption - 7W (31W during control)

➤ Environment

- Operating Temp - -20 to +75degrees C
- Humidity - 5-95% RH

➤ Regulatory Approvals

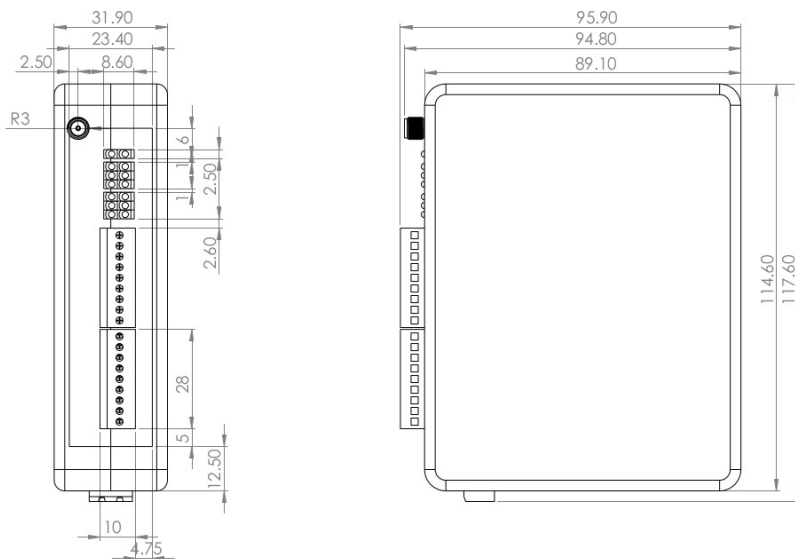
- EMC - AS/NZS CISPR 11:2011
- Radio - AS4268:2012+Amendments

➤ Security

- AES 256 bit encryption SHA2

Dimensions

Dimensions are in mm



Get in touch

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