

Thermo Scientific Smart-Vue Wireless Monitoring Solution

Technical Data Sheet: TCP/IP POE (Power over Ethernet) Receiver



Application

Plugged into your local Ethernet network, TCP/IP receivers collect data wirelessly from your Smart-Vue monitoring modules and transfer it to the Smart-Vue data monitoring software.

General

- Size: 190 x 52 x 30 mm (7.5 x 2 x 1.2 in.)
- Weight: 145 g (5.11 oz.)
- Power supply: 100 - 240 V AC 50/60 Hz to 5V DC 1 Amp. 4 different international plugs
- Module Holder Mounting Options: Velcro™, magnetic, or fixed
- External antenna: for optimal signal strength
- Warranty: 1 year on all hardware (see warranty terms & conditions for details on coverage)

Wireless Technology

- Industrial Scientific Medical (ISM) band frequencies: 4 different bands available for worldwide use based on location
- Wireless Range: up to 700 meters (2,300 ft.) in open space, from 25 meters (82 ft.) to 100 meters (330 ft.) indoors, and up to 400 meters (1,312 ft.) indoors with 3 repeaters
- Wireless Power Output: 25mW (check with your sales representative for international product availability and radio signal strength)

25 mW in 867 / 868 / 915 MHz regions

10 mW in 434 MHz regions

Alarm Types

- Smart-Vue Siren • Phone call • SMS Text • Email • Fax • Print

Software

- Software Design: Cognitive ergonomic design to optimize user's work, reduce risk of error and provide additional system security
- Server/Client Relationship: Single server installation with unlimited client installation license agreement
- Scalability: Single software package manages all system sizes
- Report files require Microsoft Word* and/or Excel* to handle data files exported in these formats

Standards and Regulations

- 915 MHz systems compliant with FCC Part 15 for non-interference with existing Wi-Fi network and other wireless devices

Environmental Conditions

- Protection index: IP65.
- Temperature range for exposure of the receiver (functioning of the electronics of the wireless repeater); 0°C to 50°C (32° to 122°F), 0 to 90% RH non-condensing.

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