Scientech

A wireless manager module for installation in a HOBO RX3000 monitoring station. Data is transmitted wirelessly from sensors across the network to the RX3000 station and then uploaded to HOBOlink, Onset's innovative cloud software platform.

Features:

- 900 MHz wireless mesh self-healing technology
- 450 to 600 meter (1,500 to 2,000 feet) wireless range and up to five hops
- Up to 50 wireless sensors per RX3000
- Plugs into RX3000 flex port

Technical Specifications:

Operating Temperature Range	:	-25° to 60°C (-13° to 140°F)
Radio Power	:	12.6 mW (+11 dBm) non-adjustable
Transmission Range	:	Reliable connection to 457.2 m (1,500 ft) line of sight at 1.8 m (6 ft) high
		Reliable connection to 609.6 m (2,000 ft) line of sight at 3 m (10 ft) high
Wireless Data Standard	:	IEEE 802.15.4
Radio Operating Frequencies	:	RXMOD-RXW-900: 904–924 MHz
		RXMOD-RXW-868: 866.5 MHz
		RXMOD-RXW-921: 921 MHz
		RXMOD-RXW-922: 916–924 MHz
Modulation Employed	:	OQPSK (Offset Quadrature Phase Shift Keying)
Data Rate	:	Up to 250 kbps, non-adjustable
Duty Cycle	:	<1%
Maximum Number of Motes	:	50 motes per one RX Wireless Sensor Network
Power Source	:	Powered by the RX3000 station
Dimensions	:	Mote: 16.2 x 8.59 x 4.14 cm (6.38 x 3.38 x 1.63 inches)
		Cable length: 2 m (6.56 ft)
Weight	:	Mote: 159 g (5.62 oz)
Materials	:	Mote: PCPBT, silicone rubber seal
Environmental Rating	:	Mote: IP67, NEMA 6

Subject to Change

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