

WIRELESS

SONNET WIRELESS NETWORK RECEIVER RF-RXS WIRELESS NETWORK RECEIVER

DESCRIPTION

The **Sontay RF-RXS Series wireless network receivers** allow quick and seamless integration with Tridium's range of JACE controllers. The integral web interface allows an engineer to not only gather measurement data from SonNet wireless devices but perform radio network management services such as auto-commissioning of SonNet wireless devices and setting device configuration parameters.

FEATURES

- DIN rail mounted housing
- Serial connection to COM1 or COM2 of JACE



RF-RXS



RF-RXS-N



SPECIFICATIONS

DEVICE OPERATION

Supply Voltage	24V AC/DC $\pm 15\%$, @300mA, 50/60Hz
Protocols	Niagra and Tridium Jace w/JAR file
Accuracy	No degradation of accuracy
Indication	1-LED Network node ON/Off line
Mounting	DIN rail mounting
Wiring	Two terminals for power 9 pin female D plug USB 2.0
Operating Temperature	SMA Antenna connection 14° to 122°F (-10° to 50°C)
Operating Humidity	0-90% RH non-condensing
Construction	Open module w/terminals
Enclosure Rating	DIN rail w/enclosure
Dimensions	3.94"H x 2.76"W x 2.28"D (10.0 x 7.0 x 5.8 cm)
Weight	0.84 lbs (0.38 Kg)
Warranty	3 year

RADIO RECEIVER

Protocol	Proprietary Mesh (Sontay), 128 encrypted
Frequency	2.4 GHz w/16 channels automatically selected
Modulation	Direct Sequence Spread Spectrum (DSSS)
Transmit Power	10 mW (10dB)
Receiver Sensitivity	-102dB
Open Air Range	328 ft. (100m) open air
Transmission time	5 ms turn around time
Transmission Interval	Not Specified
Antenna	6" Stick SMA mounted, 360° pattern (included)
RF-AERIAL	Antenna extension CBL. 2m or 5m
Channels	16 channels automatically selected
Device Addresses	50 transmitters per receiver
Programming	USB 2.0, for In field w/ laptop/Free (CMS) SW and USB Cable
Repeater Capable	Yes
Compliance	FCC ID: OA3MRF24J0MA, IEEE 802.15.4-2006, CE, RoHS

ORDERING INFORMATION

MODEL	DESCRIPTION
RF-RXS	Serial receiver for Niagara, supports CMS/USB
RF-RXS-N	Option card for Tridium Jace, with JAR file