

RF ENABLER

| RFE1000

Allows an InFusion system to communicate wirelessly to switches and stations

Proprietary 900MHz digital spread spectrum RF signal

Frequency hopping to avoid interference

Connects to controller via RS232

Powered by controller or 12V power supply



Description

The Wattstopper RadioLink Enabler is a wireless transceiver that adds radio frequency (RF) communication ability to a standard wired Architectural Dimming system. With RadioLink, small transceivers are built into the Wattstopper Architectural Dimming products offering automation for lighting, audio/video, shades, security, heating, cooling and more.

Highlights

By connecting a RadioLink Enabler to an existing Wattstopper main InFusion Controller, RF enabled keypads and other station devices are able to communicate with the system.

Operation

The RadioLink Enabler adds RF communication ability to the Wattstopper InFusion Controller. RadioLink products may be installed within 100 feet of the RFE1000. The Enabler easily connects to the existing RS-232 and Power connections on the Main Terminal Board. Each RFE1000 enabler supports up to 60 RadioLink Stations. InFusion systems may have two RFE1000 enablers for each Controller. IC DIN-LITE systems may have one RFE1000 enabler for each Controller. Because no communication wire is needed this is a true retrofit solution allowing automation and control in existing structures.

Applications

Retrofit projects or remote spaces within buildings pose unique challenges for wired systems. Adding wireless capability to the Wattstopper Architectural Dimming system allows system-wide control to those spaces. Wireless components offered by Wattstopper include switches, stations, and system interfaces.

Features

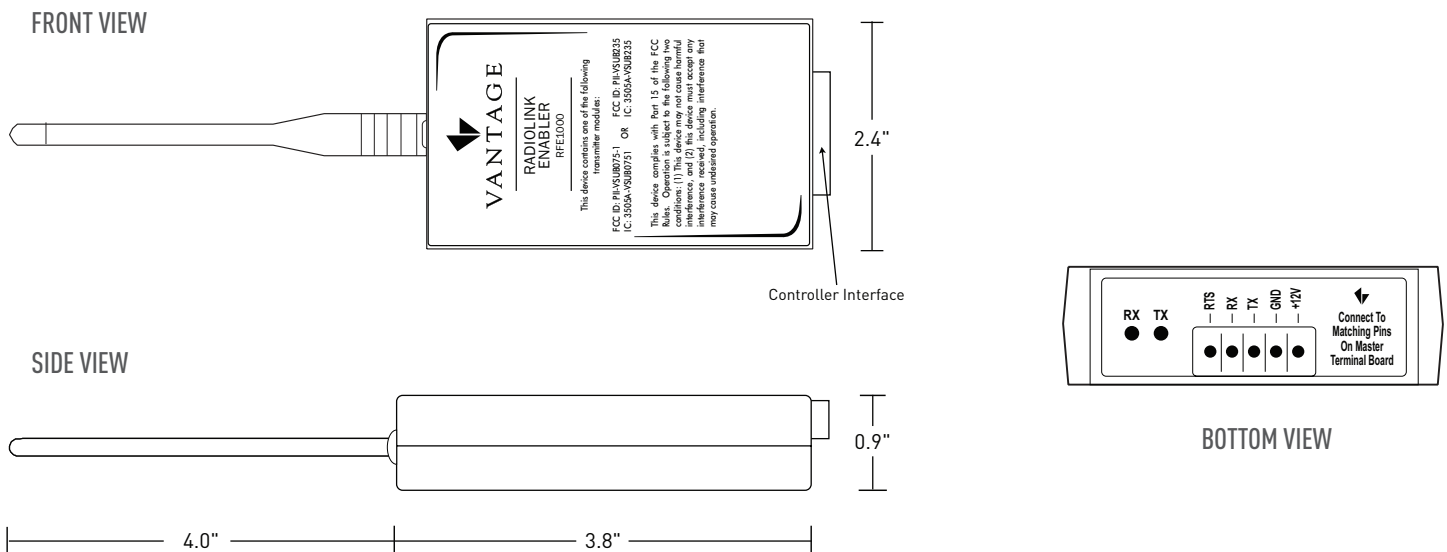
- Incorporates up to 60 RF stations per Enabler
- Communicates seamlessly with all loads on the Wattstopper Architectural Dimming system
- Uses digital spread spectrum technology
- Hops between 25 channels to avoid RF interference
- Operates at 900 MHz for clear FM transmissions
- Features a 100 foot transmission radius per enabler (over 4 million cubic feet)
- Runs on the same system controller used for the wired stations
- The Enabler easily connects to the existing RS-232 and power connections on the main terminal board

PROJECT		LOCATION/ TYPE	
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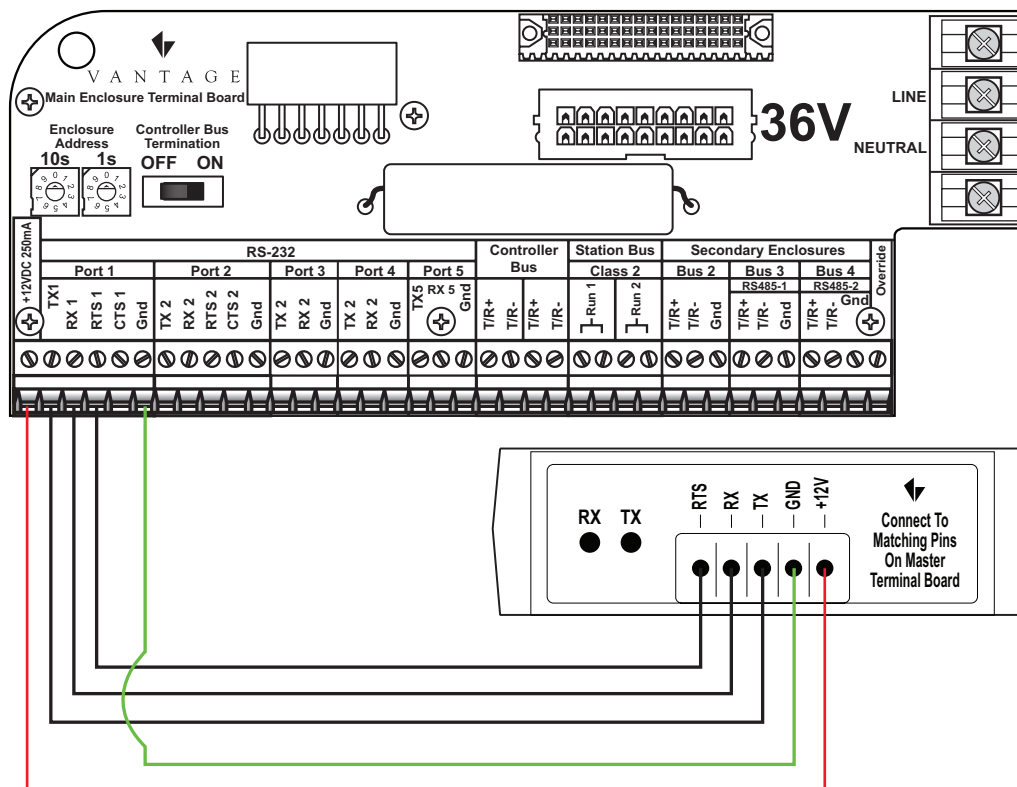
Specifications

- Dimensions - 7.8" x 2.4" x .9" (198mm x 61mm x 23mm)
- Model - RFE1000
- Ambient operating humidity - 5-95% non-condensing
- Ambient operating temperature - 32-158°F (0-70°C)
- Current required while receiving - 70mA
- Current required while transmitting - 180mA
- LED indicators - handshake out (RTS), Data out (TX), GND, +12V
- Power supply - 12VDC
- Station count - 1 station
- Station support - supports up to 60 RadioLink (RF) stations per Enabler
- Installed distance from controller - 30 ft. maximum, 6 in. minimum from any metal enclosure
- RS-232 connection on master terminal board - 5 conductor, 22 gauge or larger
- FCC ID# - PII-VSUB075-1 or PII-VSUB235
- Frequency range - 902-928 MHz ISM Band
- Number of channels - 25
- RF Technology - Frequency hopping spread spectrum
- Transmit power - 140mW

Installation and Wiring



Installation and Wiring



Ordering Information

Catalog #	Description	Voltage
<input type="checkbox"/> RFE1000	InFusion RadioLink Enabler	12VDC
<input type="checkbox"/> VDA-0140	RF Enabler Cable	12VDC
<input type="checkbox"/> VFA-0008	12 Volt DC Power Supply 1000mA	12VDC