



4 Channel Dual Band Receiver 16Km RF LoRa & Wi-Fi RIoT

Features

- RF and Wi-Fi (App) Control
- Smartphone App control (From anywhere)
- Operating Range:
 - Upto 2Km (FM)
 - Upto 16Km (LoRa)
 - Upto 100m (Wi-Fi)
- 4 Channels Each Rated 1KW
- Easy Connections Via Screw Terminals
- Relay Changeover Contacts
- Outputs can operate in: Momentary, Latching or Timed
- Power Supply either: 12-32Vdc/ac or 110/230Vac
- Signal Strength LED Indication
- Learns up to 128 Transmitters
- Transmits Acknowledge signal back to Transmitter / App
- IP68 Waterproof Enclosure
- Snubber Network for each relay



Intended Use

- Lighting
- Motors
- Pumps
- Industrial Machinery

Description

Supplied ready to deploy, this versatile Wireless Switching Control Receiver is designed for many industrial applications. Housed in a rugged IP68 enclosure, it has 4 changeover relay outputs. Using the 'easy-learn' process, each output can be controlled from one or many switches from one or many transmitters.

Part No.	Description	Operates on	Supply Voltage
RIoT-RX-8R4	4 Channel Receiver operating from RF Transmitter or via RIoT CONTROL App	868MHz & Wi-Fi	230Vac or 12-32V

Modes of Operation

This Receiver can be configured to operate in FSK or LoRa Modes.

FSK (FM): Fixed frequency Carrier Frequency. Provides a fast time of operation and is compatible with all other RF Solutions FM RF products at the same operating frequency.

LoRa: Long Range Spread Spectrum. Can be set to operate in Modes 1-7, the operating Range is extended and is compatible with all other RF Solutions LoRa products at the same operating frequency.

Wi-Fi: Connects to local Wi-Fi to enable a Smartphone/Device to control the Relay outputs from RIoT CONTROL Apps.

Output Time Delay

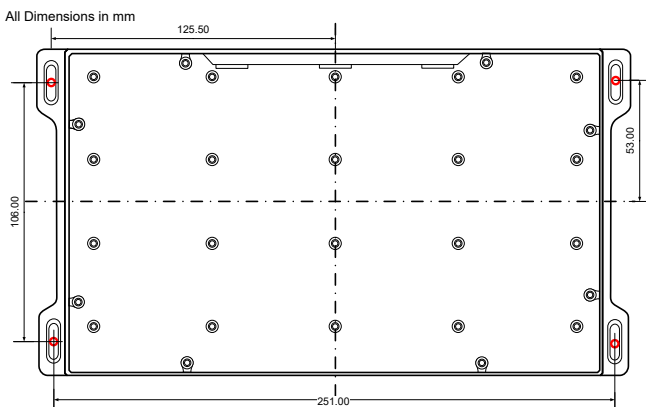
Each Output can be individually set to Momentary, Latching or Times—1/2 Sec to 60 mins Timed output.

Technical specifications

Enclosure Rating: IP68
 Dimensions: 267 x 148 x 78mm (not including antenna)
 Operating Temperature: -10 to +60° Celsius.

Electrical Characteristics	Min	Typical	Max	Dimension
Supply Voltage DC	12		32	Vdc or ac
Supply Voltage AC RIOT-8R4		110 230		Vac
Operating Frequency 868MHz Version		869.5		MHz
Relay Rating @ 230Vac		5	12	A
Supply Current at Vsupply Quiescent All relays operating*		55 210		mA

Wall Mounting Template



Example of Use



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