

Wireless Repeater

RP29



- Long Distance 700 m.
- No Wiring (RF Link)
- Easy to install

Wireless Repeater RP29 This device serves as a signal repeater to extend the range of radio signals received from RC35, RC36, RDIO20, RDIO2100, RAIO20, and Wireless Remote Analog I/O units (RAI200, RAO200).

Specifications

Wireless Interface

RF Standard: 802.15.4/ZigBee compliant

Frequency Band: 2.4 GHz

Max. RF Data Rate: 250 Kbps

Rx sensitivity: -102 dBm

Tx Power: +10 dBm (Max)

Transmission Distance:

Up to 90 m. Indoor/Urban

Up to 700 m. Outdoor RF line-of-sight
(With Antenna gain > 8 dBi)

Antenna Connector:

RP-SMA, Jack/female

RF Channel: 12 channels

Serial Interface

Serial Standards:

RS-485/422 (Isolated) 5 pin Terminal Block

Loading: RS-485/422 Max 32 Unit

Distance: RS-485/422 length 1 Km.

Ordering Information:

Example RP29

Package Checklist

1. RP29
2. Cable Config

Power Requirements

Power Supply: 12 to 24 VDC

Power Consumption

Standby: 180 mA @ 12 VDC

Transfer Data: 185 mA @ 12 VDC

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W95 x H65 x D55 mm.

Warranty

Warranty Period: 5 Year

