

Repeater for Remote Control Signal Interface With 900MHz Radio Frequency Link



Standard Features:

- Extends Distance of Effective Radio Transmission
- Provides Access to Non-Line-of-Sight Remotes
- Bi-directional Communication using License-free 900MHz Radio Band
- Spread-Spectrum Radio Technology Provides Reliable Communication
- Re-Transmission & Error Correction Algorithms ensure Accurate Data Transmission
- Point-to-Point or Host-to-Multipoint Topologies
- No Calibration Required
- Microprocessor Controlled for High Accuracy
- Power: 117 VAC 50/60 Hz (Optional 24 VDC)
- High Noise Rejection



Function:

The RCI-RPT-RF9 is a store-and-forward radio signal repeater that can be used to extend the distance between a host and its remote(s). The unit receives data from the host and re-transmits it to the remote(s) and vice-versa. Using a repeater can provide access to remote locations that are not in direct line-of-sight with the host.

Standard RCI-XXX-RF9 units are also capable of acting as a repeater thereby serving a dual function of remote unit and signal repeater (see diagram on back).

The license-free spread-spectrum radio technology allows small systems to be set up with very little effort and at low cost. The technology ensures high communication reliability even in RF-intensive environments.

All units are sold with a ¼ wave omnidirectional whip antenna. Other antennas, such as directional Yagi or Patch antennas, are sold separately.

Options:

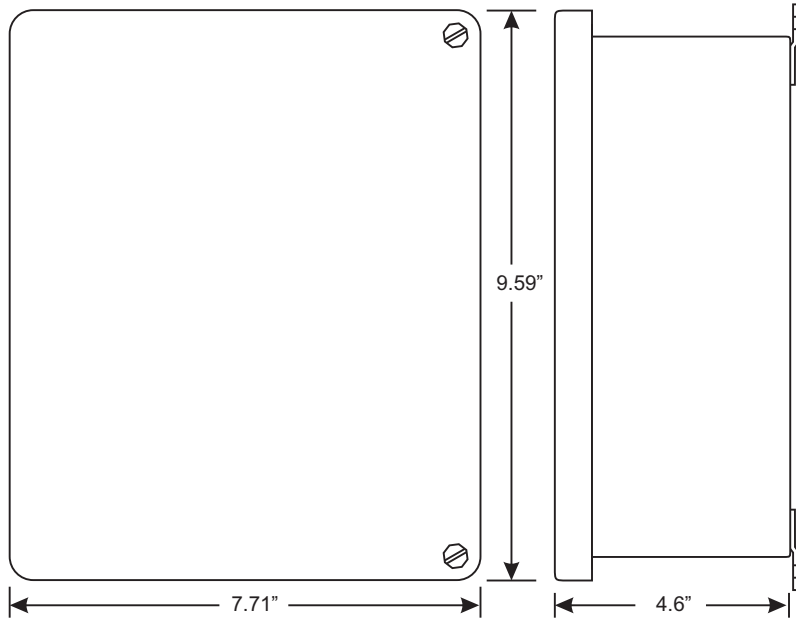
- A: 24VDC Power
- B: 240VAC Power
- N12: NEMA 12 Enclosure

Specifications:

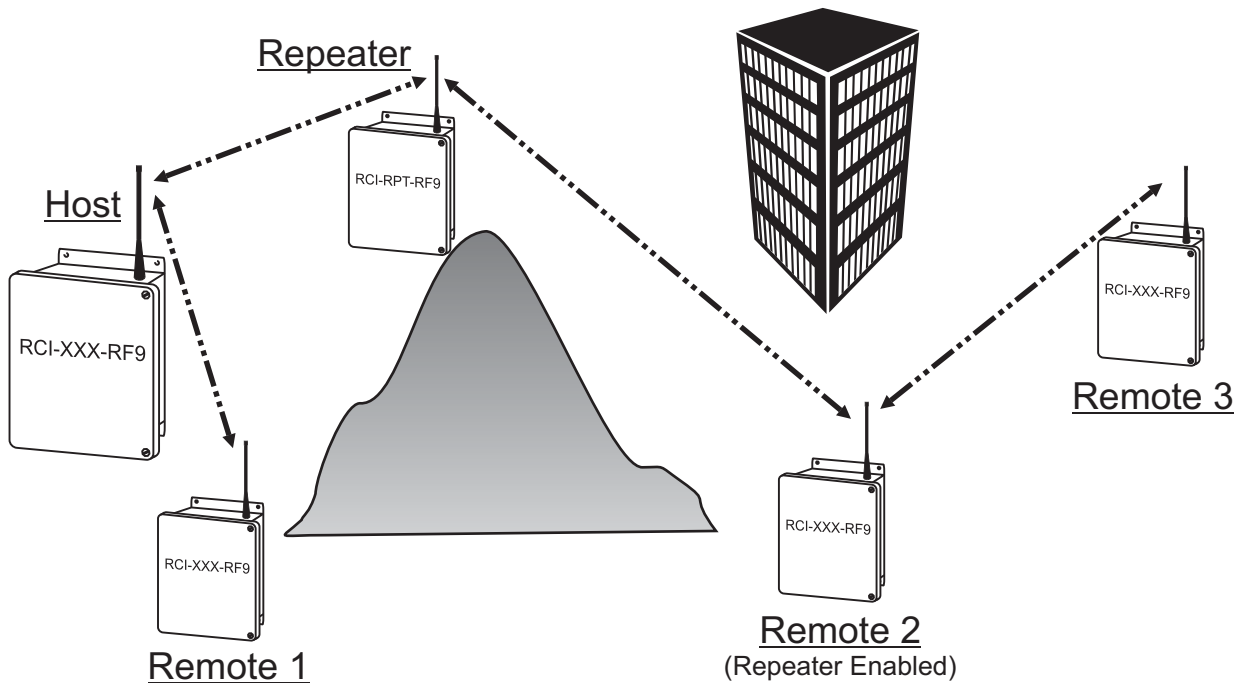
- Media: 900MHz Spread-Spectrum Radio
- Range: up to 1500ft indoors with omnidirectional antenna
up to 12 miles line-of-sight with directional antenna
- Protocol: MODBUS ASCII
- Speed: 9600 BAUD
- Radio Power Output: 100mW, 1000mW (selectable)
- Operating Temperature: -4°F to +140°F (-20°C to +60°C)
- Power: 117 VAC, 60/50 Hz, 24VDC Available
- Enclosure: NEMA4X (NEMA12 available as an option)
- Approvals: ETL 3118354;
UL 60950-1-2007; CSA-C22.2 No. 60950-1-07

RCI-RPT-RF9

Enclosures & Dimensions:



Connection:



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