Pribusin Inc.

Manufacturers of Process Controls and Instrumentation

Model: RCI-100-RF9

Remote Control Signal Interface With 900MHz Radio Frequency Link

Standard Features:

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

1 Dry Contact and 1 Analog Input

1 'C' Relay Contact and 1 Analog Output

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

INTERTEK ETL C LISTED US 3118354

Function:

The RCI-100-RF9 is a bi-directional data communication system that exchanges the status of 1 dry contact input and 1 analog input between a master and one or more remote units. A basic system consists of one master station and one remote station each with 1 dry contact and 1 analog inputs and 1 'C' relay contact and 1 analog output1. All signals are bi-directional so that data may be read from the remote station and sent to it.

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.

Antennas, such as directional Yagi or Patch antennas, are sold separately.

Options:

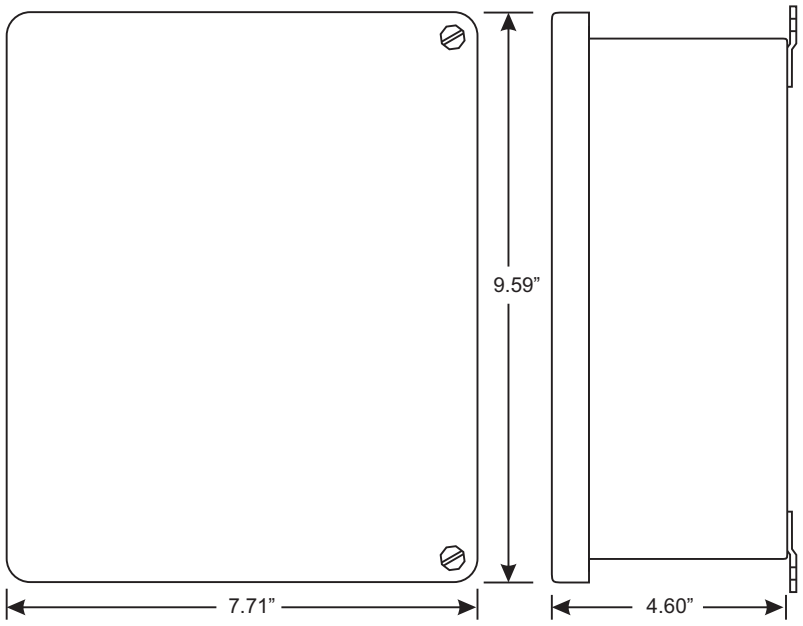
- A: 24VDC Power
- B: 240VAC Power
- N12: NEMA 12 Enclosure

Specifications:

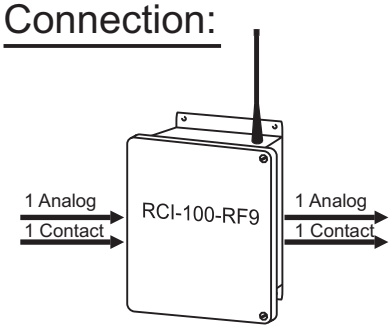
Media: 900MHz Spread-Spectrum Radio
Range: up to 1500ft indoors with omnidirectional antenna
up to 12 miles line-of-sight with directional antenna
Protocol: MODBUS ASCII, 9600 BAUD
RF Connector: N-Female (Bottom of Enclosure)
Radio Power Output: 100mW, 1W (selectable)
Operating Temperature: -4°F to +140°F (-20°C to +60°C)
Relay Contacts: 10A 1/8Hp @ 125VAC
6A 1/8Hp @ 277VAC
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-100-RF9

Enclosures & Dimensions:

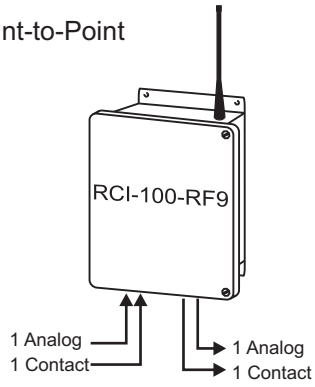


Connection:



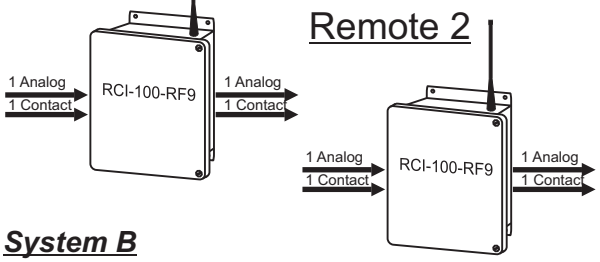
System A

Point-to-Point



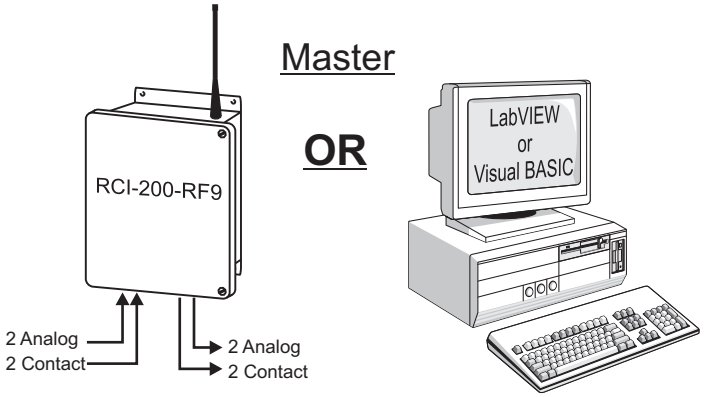
Remote 1

Remote 2



System B

Master to Multi-Remote



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Rev.B Subject to change without notice