



### Standard Features:

- Bi-directional Communication using License-free 2.4GHz Radio Band
- Spread-Spectrum Radio Technology Provides Reliable Communication
- Re-Transmission & Error Correction Algorithms ensure Accurate Data Transmission
- 2 Dry Contact and 2 Analog Inputs
- 2 'C' Relay Contacts and 2 Analog Outputs
- 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
- CSA and NRTL Approved (LR51078)

### Function:

The RCI-200-RF2 is a bi-directional data communication system that exchanges the status of 2 dry contact inputs and 2 analog inputs between a master and one or more remote units. A basic system consists of one master station and one remote station each with 2 dry contact and 2 analog inputs and 2 'C' relay contact and analog outputs. 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.

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

### Options:

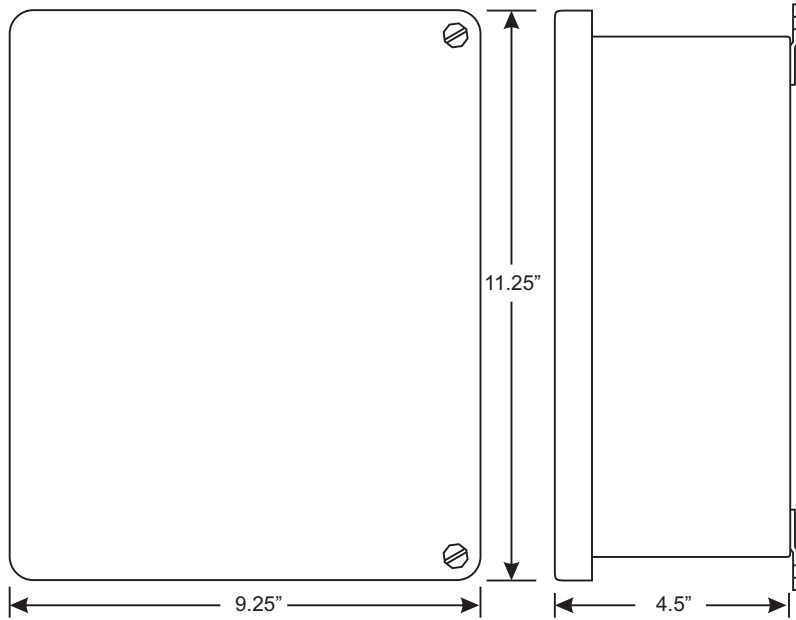
- A: 24VDC Power
- B: 240VAC Power
- N12: NEMA 12 Enclosure
- R: Remote Radio (Radio is in separate enclosure and mounts close to antenna to prevent signal loss for long cable runs)

### Specifications:

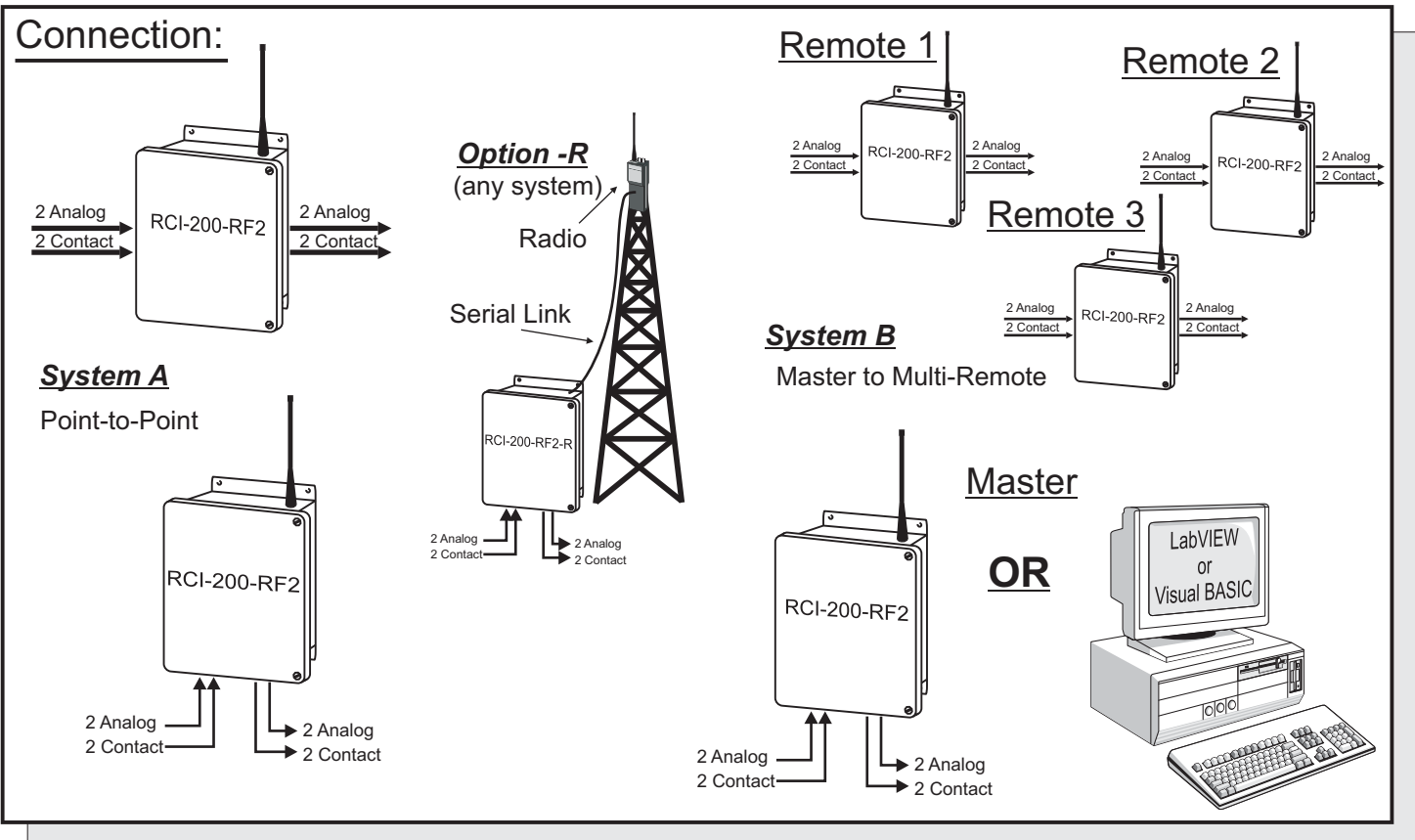
- Media: 2.4GHz Spread-Spectrum Radio
- Range: up to 1500ft indoors with omnidirectional antenna  
up to 12 miles line-of-sight with directional antenna
- Protocol: MODBUS ASCII
- Speed: 9600 BAUD
- Radio Power Output: 500mW max.
- Operating Temperature: -4°F to +140°F (-20°C to +60°C)
- Relay Contacts: 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-200-RF2

## Enclosures & Dimensions:



## Connection:



## Manufactured By:



[www.pribusin.com](http://www.pribusin.com)  
[info@pribusin.com](mailto:info@pribusin.com)

### USA:

Pribusin Inc.  
 4319 E. Apple Ave.  
 Muskegon, MI 49442  
 Ph: (231) 788-2900  
 Fx: (231) 788-2929



### CANADA:

Pribusin Inc.  
 101 Freshway Dr. Unit 57  
 Concord, Ontario, L4K 1R9  
 Ph: (905) 660-5336  
 Fx: (905) 660-4068