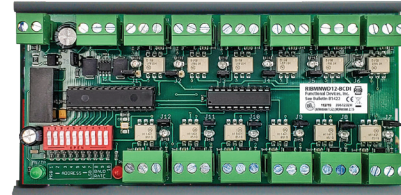
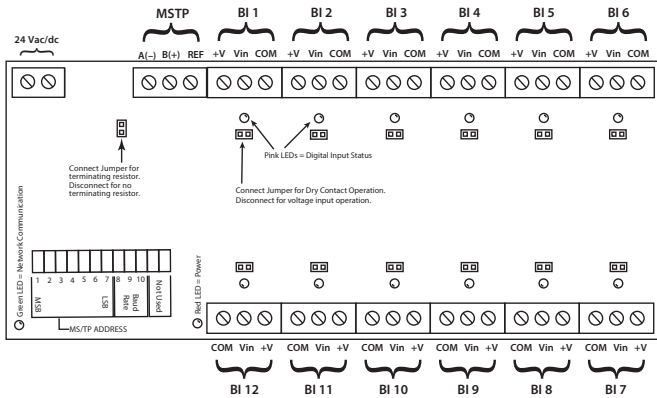


## INTELLIGENT FIELD DEVICE

### RIBMNWD12-BCDI

BACnet MS/TP Network Input Device, Twelve Binary Inputs (Voltage or Dry Contacts), 2.75" Track Mount



## SPECIFICATIONS

- Operating Temperature:** -30 to 140° F
- Humidity Range:** 5 to 95% (noncondensing)
- Green LED:** Network Communication
- Red LED:** ON = Power Present
- Dimensions:** 6.00"H x 2.75"W x 1.25"D1/1.75"D2
- Origin:** See **Housing H** in housing guide for dimensions
- Track Mount:** Made of US and non-US parts
- Approvals:** MT212-6 Mounting Track Provided, CE, RoHS, BTL Certified
- Network Media:** Twisted Pair 22-24AWG, shielded recommended
- Terminations:** Functional Devices product installed at both ends of the MS/TP network – Use 120 Ω end of line resistors. All other cases – Follow instructions from the device installed at the end of the MS/TP network.
- Polarity:** Network is polarity sensitive
- Band Rate:** 9600, 19200, 38400, 57600, 76800, 115200 (DIP Switch Selectable)

- Power Input Ratings:**  
 41 mA @ 24 Vdc  
 53 mA @ 24 Vac

- Binary Input Ratings:**  
 Dry Contact: 3 mA @ 30 Vdc max.  
 Voltage Input: 12 mA @ 25 Vac/dc max.

- BACnet® Details:**
  - MS/TP Address & Baud Rate must be set prior to power up via DIP switches.
  - Device ID will default to 277XXX where XXX is the MS/TP Address. Examples:
 

MS/TP Address - 004	MS/TP Address - 121
Device ID - 277004	Device ID - 277121
  - Device ID can be changed via network command. Once changed, it will no longer default to 277XXX. (MS/TP Address & Device ID must be unique.)
  - Device Instance changed via Object Identifier Property of Device Object
  - Full wave rectified
  - PIC Statement available on website.

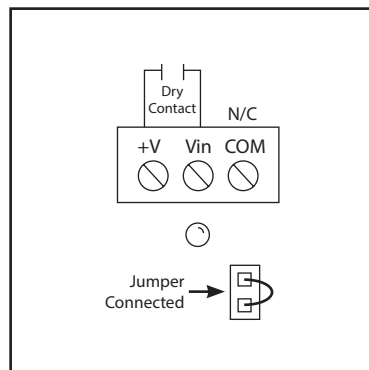
- Objects included in device are:
 

BI 1 (Binary input)	BI 7 (Binary input)
BI 2 (Binary input)	BI 8 (Binary input)
BI 3 (Binary input)	BI 9 (Binary input)
BI 4 (Binary input)	BI 10 (Binary input)
BI 5 (Binary input)	BI 11 (Binary input)
BI 6 (Binary input)	BI 12 (Binary input)

DIP SWITCHES*			BAUD RATE
8	9	10	
0	0	0	9600
0	0	1	19200
0	1	0	38400
0	1	1	57600
1	0	0	76800
1	0	1	115200

\* 0 = Open ; 1 = Closed  
 All other combinations=9600 baud

Example of Dry Contact Input Operation



Example of Voltage Input Operation

