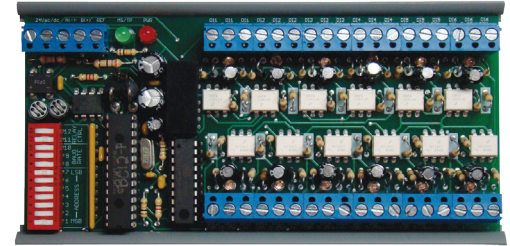
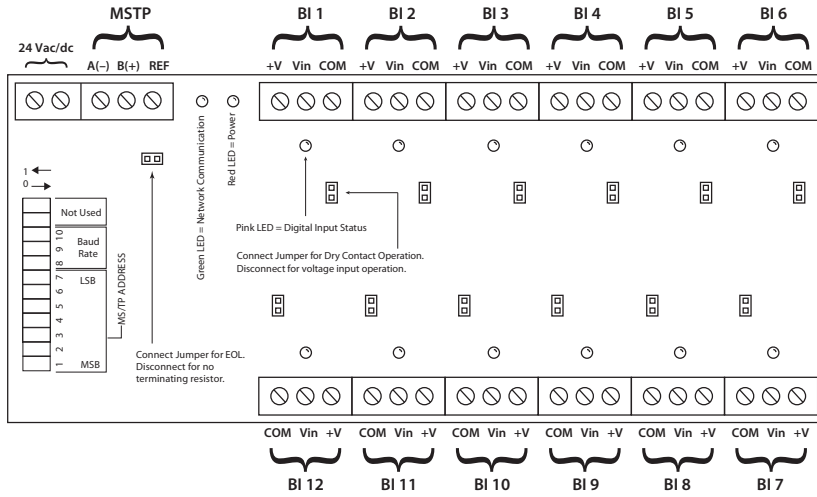


NETWORK COMPATIBLE DEVICE

RIBMNWD12-BCDI

2.75" Track Mount BACnet® MS/TP Network 12 Binary Input Device; **Optional End of Line Resistor (EOL) Included.**



RELAYS

SPECIFICATIONS

Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Green LED: Network Communication
Red LED: ON = Power Present
Dimensions: 5.85" x 2.75" x 1.75"
Track Mount: MT212-6 Mounting Track Provided
Approvals: CE, RoHS

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
Device ID - 277004

MS/TP Address - 121
Device ID - 277121
- Device ID can be changed via network command. (MS/TP Address & Device ID must be unique.)
- Device Instance changed via Object Identifier Property of Device Object
- Full wave rectified

- 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)

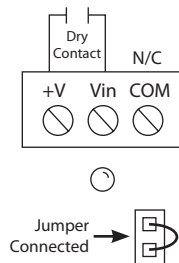
• PIC Statement available on website.
http://www.functionaldevices.com/pdf/datasheets/pics/RIBMNWD12-BCDI_PICS.pdf
 Or scan QR code with your smart phone.



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

