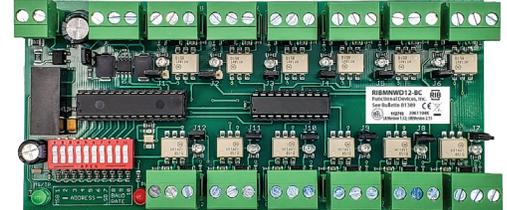
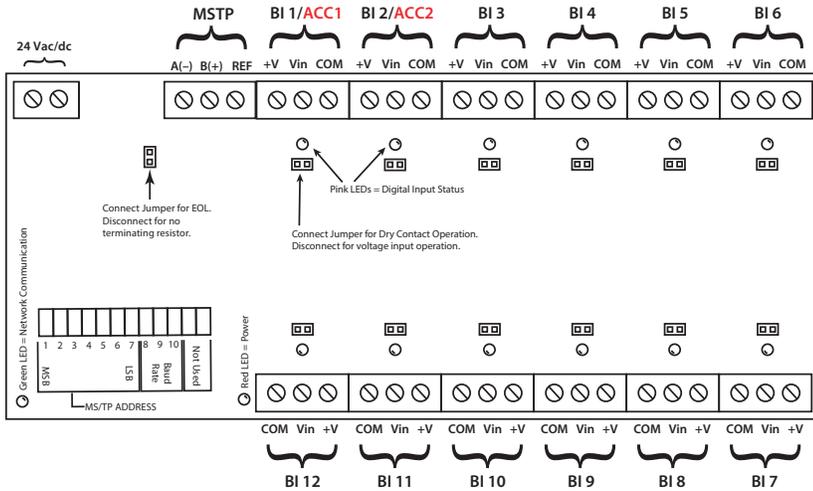


NETWORK COMPATIBLE DEVICE

RIBMNWD12-BC

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



TWO (ACCUMULATOR) INPUTS CAN BE USED FOR POWER MONITORING OR OTHER PULSE COUNTING APPLICATION.

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, 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
Baud Rate: 9600, 19200, 38400, 57600, 76800, 115200 (DIP Switch Selectable)

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

Max. Accumulator Frequency:
 50 Hz

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 |

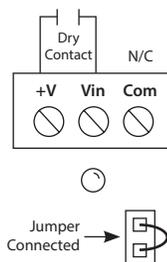
| |
|---------------------|
| MS/TP Address - 121 |
| Device ID - 277121 |
- Device ID can be changed via network command. Once changed, it will no longer default to 277XXX. (MS/TP Address & Device ID must be unique.)
- Device Instance changed via Object Identifier Property of Device Object

- Objects included in device are:
 BI 1 (Binary input) } Use Same
 ACC 1 (Accumulator) } Physical Input
 BI 2 (Binary input) } Use Same
 ACC 2 (Accumulator) } Physical Input
 BI 3 (Binary input)
 BI 4 (Binary input)
 BI 5 (Binary input)
 BI 6 (Binary input)
 BI 7 (Binary input)
 BI 8 (Binary input)
 BI 9 (Binary input)
 BI 10 (Binary input)
 BI 11 (Binary input)
 BI 12 (Binary input)
- PIC Statement available on website.
http://www.functionaldevices.com/pdf/pics/RIBMNWD12-BC_PICS.pdf

| 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

