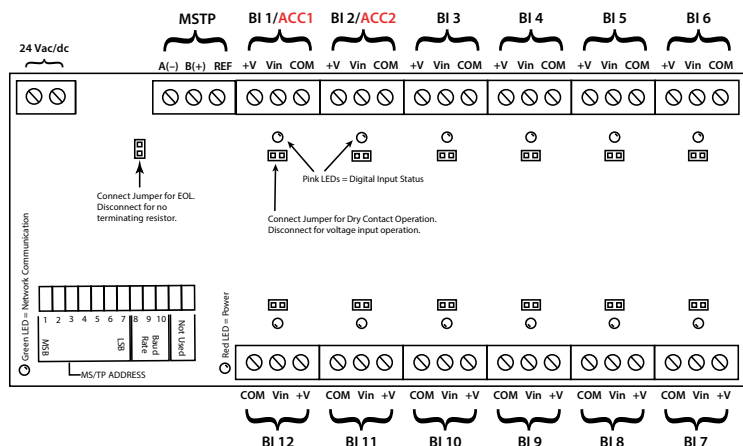


RIBMNWD12-BC

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



**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: 6.00"H x 2.75"W x 1.25"D1/1.75"D2

Housing Detail: See **Housing H** in housing guide for dimensions

Origin: Made of US and non-US parts

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 @ 24 Vdc

53 mA @ 24 Vac

Max. Accumulator Frequency:

50 Hz

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

• PIC Statement available on website.

Binary Input Ratings:

Dry Contact: 3 mA @ 30 Vdc max.

Voltage Input: 12 mA @ 25 Vac/dc max.

• Objects included in device are:

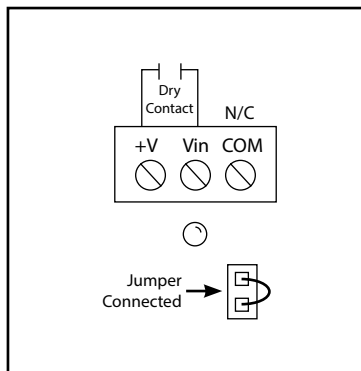
- BI 1 (Binary input) } Use Same
- ACC 1 (Accumulator) } Physical Input
- BI 2 (Binary input) } Use Same
- ACC 2 (Accumulator) } Physical Input
- BI 3 (Binary input)
- BI 4 (Binary input)
- BI 5 (Binary input)
- BI 6 (Binary input)
- BI 7 (Binary input)
- BI 8 (Binary input)
- BI 9 (Binary input)
- BI 10 (Binary input)
- BI 11 (Binary input)
- BI 12 (Binary input)

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

