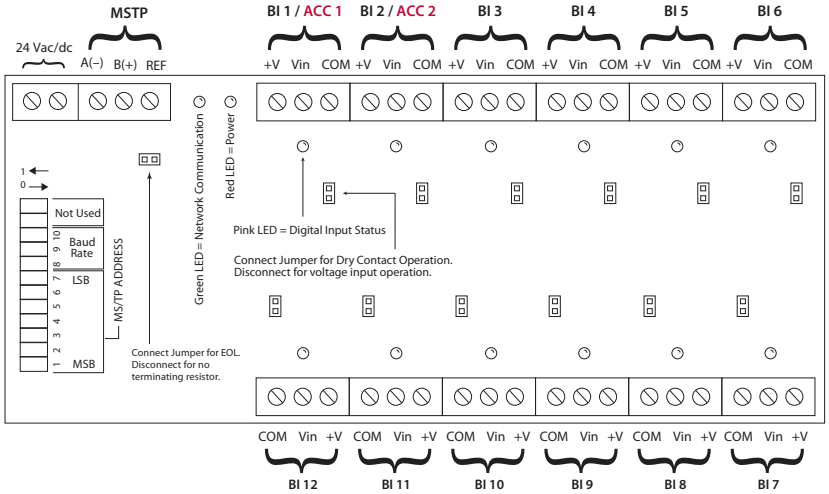
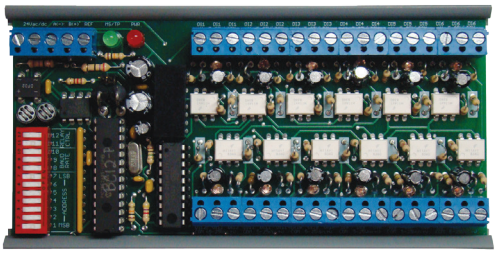
NETWORK COMPATIBLE DEVICE

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

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	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

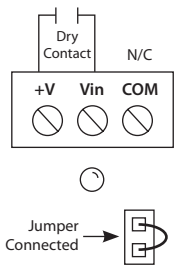
Binary Input Ratings:
Dry Contact: 3 mA @ 30 Vdc max.
Voltage Input: 12 mA @ 25 Vac/dc max.

- 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)
- PIC Statement available on website.
  http://www.functionaldevices.com/pdf/datasheets/pics/RIBMNWD12-BC_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