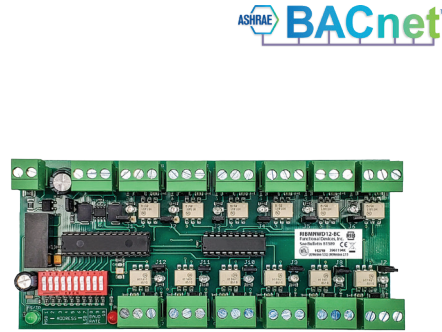
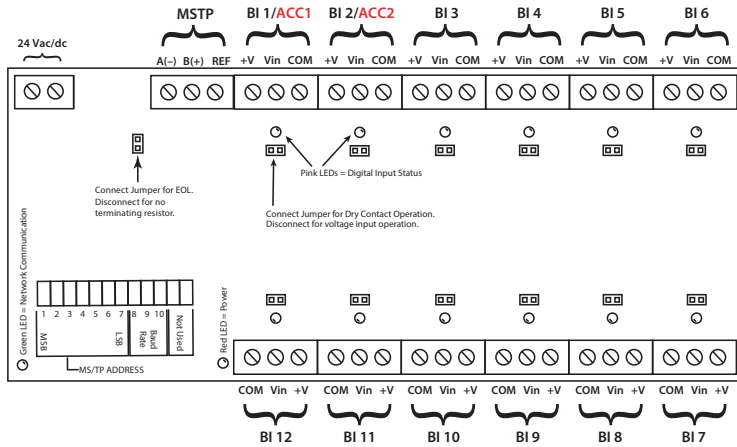


INTELLIGENT FIELD DEVICE

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)

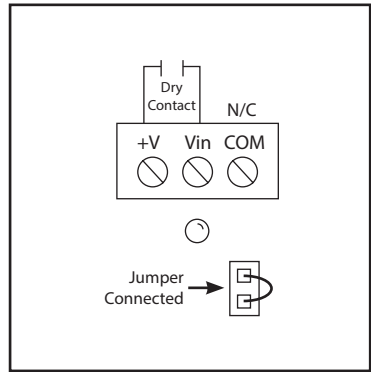
Power Input Ratings:
 41 mA @ 24 Vdc
 53 mA @ 24 Vac
Max. Accumulator Frequency:
 50 Hz
BACnet® Details:
 • MS/TP Address & Baud Rate must be set prior to power up via DIP switches.
 • Device ID will default to 277XXX where XXX is the MS/TP Address. Examples:
 MS/TP Address - 004 MS/TP Address - 121
 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
 • 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

