Network

Optional End of Line Resistor (EOL) Included.

24 Vac/dc Power Input; log Input (T2/T3 Thermistor / 0-5 Vdc / 0-10 Vdc); Binary Output (20 Amp Relay SPDT + Override); Two Binary Inputs (Dry Contact, Class 2); One Analog Input (T2/T3 Thermistor / 0-5 Vac / 0-10 Vdc). 24 Vac/dc Power Input; Optional End of Line Resistor (EOL) Included.

SPECIFICATIONS

# Relays & Contact Type: One (1) SPDT Continuous Duty Coil

Operating Temperature: -30 to 140°F

Humidity Range: 5 to 95% (noncondensing)

Operate Time: 18ms

Network Communication: Green LED

Relay Status: Red LED On = Activated

BI1 Status: Pink LED On = Activated

BI2 Status: Pink LED On = Activated

Dimensions: 6.25 x 2.75 x 1.75 (RIBMNW24B-BCAI)

Track Mount: MT212-6 Mounting Track Provided

Approvals: CE, UL Listed, C-UL, RoHS

Gold Flash: No

Relay Override Switch: DIP Switch Control (See Bulletin B1243)

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, 115200 (DIP Switch Selectable - See Bulletin B1243)

Contact Ratings:

20 Amp Resistive @ 277 Vac
20 Amp Ballast @ 277 Vac
16 Amp Electronic Ballast @ 277 Vac (N/O)
10 Amp Tungsten @ 120 Vac (N/O)
1110 VA Pilot Duty @ 277 Vac
770 VA Pilot Duty @ 120 Vac
2 HP @ 277 Vac
1 HP @ 120 Vac

Power Input Ratings:

81 mA @ 24 Vac
111 mA @ 24 Vac

Notes:

• Order NEMA 4 housing by adding “-N4” to end of model number. (RIBTW24B-BCAI-N4)

• Order with grey lid by adding “-GY” to end of model number. (RIBTW24B-BCAI-GY)

• Order NEMA 4 housing with grey lid by adding “-N4-GY” to end of model number. (RIBTW24B-BCAI-N4-GY)

• For all versions, raw analog default settings are 0 and 1023 (real), respectively. Units default to 95 (no units).

• For Set Point Function settings, See Bulletin B1243

• When connecting 24 Vac to both the RIB(s) and a half-wave device, damage to device can occur. Option 1: Use separate transformers for each device. Option 2: Add diode between devices, (See Bulletin B1243 for diagram)

BACon 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:

For Set Point Function settings, See Bulletin B1243