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CE

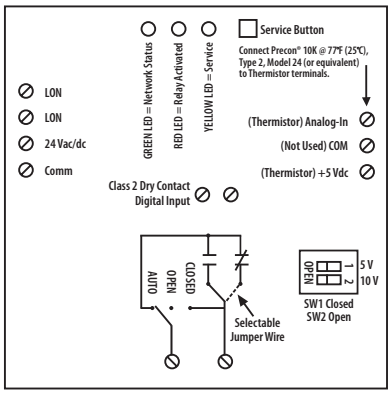
MADE IN USA

RoHS

Open Protocol Relays

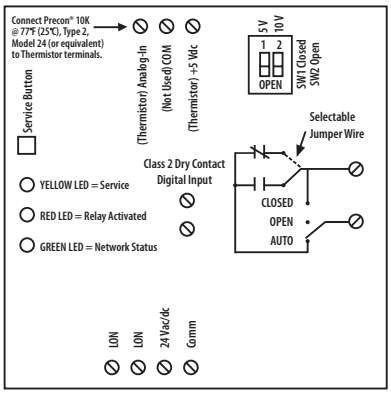
RIBMW24SB-LNT2

4.00˝ Track Mount LonWorks® Twisted-Pair FT-10 Network Three I/O Controller; One Discrete Output (20 Amp Relay SPST + Override), One Discrete Input; Precon® Type 2 Thermistor Input; 24 Vac/dc Power



RIBTW24SB-LNT2

Enclosed LonWorks® Twisted-Pair FT-10 Network Three I/O Controller; One Discrete Output (20 Amp Relay SPST + Override), One Discrete Input; Precon® Type 2 Thermistor Input; 24 Vac/dc Power



SPECIFICATIONS

 # Relays & Contact Type: One (1) SPST Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Operate Time: 18mS
Green LED: Network Status
Red LED: Relay Status
Yellow LED: Service Status
Dimensions: 4.00˝ x 4.00˝ x 2.30˝ (RIBMW24SB-LNT2)
4.28˝ x 7.00˝ x 2.00˝ with .75˝ NPT Nipple (RIBTW24SB-LNT2)
Track Mount: MT4-4 Mounting Track Provided
Approvals: FCC, CE, UL Listed, UL916, C-UL, RoHS
Housing Rating: UL Listed, NEMA 1, C-UL, CE Approved, Plenum, Also available NEMA 4 / 4X
Gold Flash: No
Override Switch: Yes

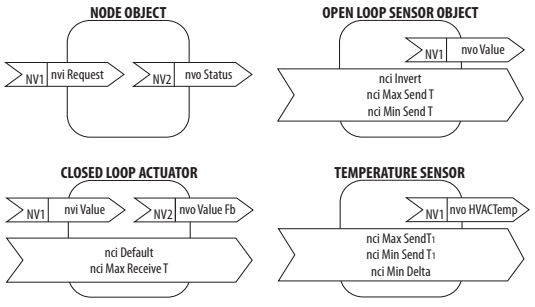
Channel: TP/FT-10
Transceiver Type: FTT-10A with blocking capacitors for compatibility with link power channel
Functional Blocks: 0000 Node Object
0004 Closed Loop Actuator Object
0001 Open Loop Sensor Object
1040 Temperature Sensor
Downloadable Files: PDF, XIF, APB, VSS and NXE

Contact Ratings:
20 Amp Resistive @ 277 Vac
20 Amp Ballast N/O @ 120/277 Vac
10 Amp Ballast N/C @ 120/277 Vac
10 Amp Tungsten N/O @ 120 Vac
1110 VA Pilot Duty @ 277 Vac
770 VA Pilot Duty @ 120 Vac
2 HP @ 277 Vac
1 HP @ 120 Vac

Power Input Ratings:
111 mA @ 24 Vac
81 mA @ 24 Vdc

Power Input:
* 24 Vac/dc ; 50-60 Hz

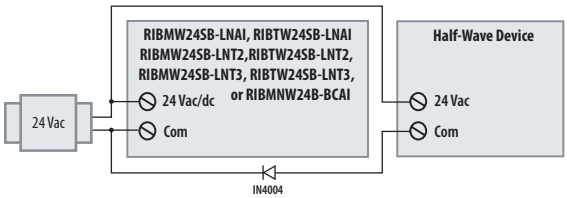
Notes:
» Order with P1 option by adding "-P1" to end of model number. The P1 option is pre programmed to allow dry contact input to command the relay. Contact closure on the DI will activate relay.
» Normally Open or Normally Closed selected by yellow jumper wire.
» Order with Momentary Override Switch by adding "-MNO" to end of model number
» -35 to 100°C range in one degree steps. -36°C indicates below range, 101°C indicates above range.
* When connecting 24 Vac to both the -LNT2 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 Option 2 note below.
» Thermistor not included.
» Can be used with Precon® Type 3 Thermistor Input. Use suffix "-LNT3" when ordering.



DESCRIPTION	SNVT NAME	SNVT TYPE
Command to open/close relay	nvi Value	SNVT_switch
Command status of relay	nvo Value Fb	SNVT_switch
Default state of relay on/off	nci Default	SNVT_switch
Communication timer	nci Max Receive T	SNVT_elapsed_tm
Status of Digital-In	nvo Value	SNVT_switch
Invert status of Digital-In	nci Invert	SNVT_lev_disc
Max time between updates	nci Max Send T	SNVT_elapsed_tm
Min time between updates	nci Min Send T	SNVT_elapsed_tm
T2 Thermistor input	nvo HVACTemp	SNVT_temp_p
Max time between Temperature updates	nci Max Send T1	SNVT_elapsed_tm
Min time between Temperature updates	nci Min Send T1	SNVT_elapsed_tm
Min change in Temperature before updates	nci Min Delta	SNVT_temp_p

The relay will go to the default state when the communication timer times out. Setting the timer value to zero will cause the communication to never time out.

It is recommended to put a value in nci Max Send T to ensure the RIB re-synchronizes itself on the network after power loss. It is the responsibility of the user to ensure this value does not cause conflicts in network traffic. (No value = No "heartbeat" updates / no re-sychronization; Low Value = Many updates but may cause many traffic collisions; High value = Few updates but many less collisions.)



*Option 2: Add diode on 24 Vac power (Com) interconnection between devices. Band on diode faces towards -LNT2.