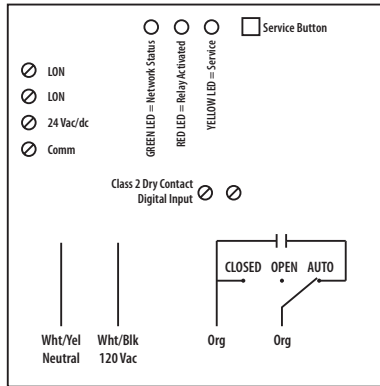




Open Protocol Relays

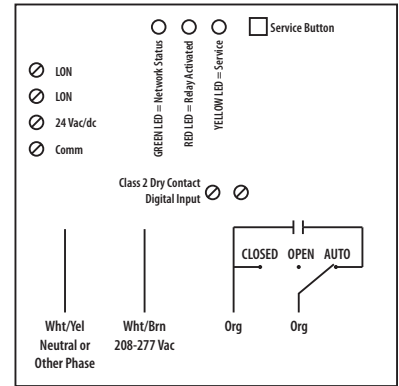
RIBTW2401SB-LN

LonWorks® Twisted-Pair FT-10 Network Enclosed Dual I/O Controller: One Discrete Output (20 Amp Relay SPST-N/O + Override), One Discrete Input; 24 Vac/dc or 120 Vac Power



RIBTW2402SB-LN

LonWorks® Twisted-Pair FT-10 Network Enclosed Dual I/O Controller: One Discrete Output (20 Amp Relay SPST-N/O + Override), One Discrete Input; 24 Vac/dc or 208-277 Vac Power



SPECIFICATIONS

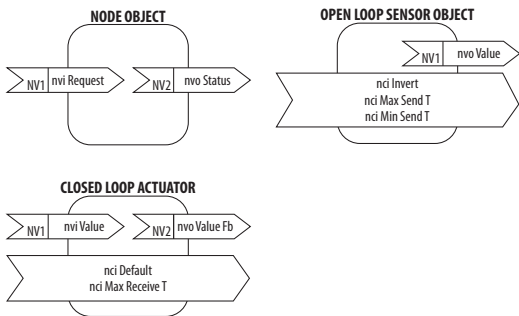
Relays & Contact Type: One (1) SPST Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Operate Time: 18mS
Green LED: Network Status
Red LED: Relay Status
Yellow LED: Service Status
Dimensions: 4.00" x 4.00" x 1.80" with .50" NPT Nipple
Wires: 16", 600V Rated
Approvals: FCC, LonMark®, CE, RoHS
 UL Listed, UL916, C-UL
Housing Rating: Plenum, NEMA 1
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

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
 96 mA @ 120 Vac (RIBTW2401SB-LN)
 105 mA @ 208-277 Vac (RIBTW2402SB-LN)
 81 mA @ 24 Vdc

Power Input:

24 Vac/dc ; 120 Vac ; 50-60 Hz (RIBTW2401SB-LN)
 24 Vac/dc ; 208-277 Vac ; 50-60 Hz (RIBTW2402SB-LN)

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.
- » Order Normally Closed by adding "-NC" to end of model number
- » Order with Momentary Override Switch by adding "-MNO" to end of model number

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

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-synchronization; Low Value = Many updates but may cause many traffic collisions; High value = Few updates but many less collisions.)