

RIBMW24SB-LNAI

LonWorks® Twisted-Pair FT-10 Network Enclosed Three I/O Controller; One Discrete (20Amp Relay) Output, One Discrete Input; One Analog Input (General Purpose 0-5 Vdc, 0-10 Vdc / Thermistor); 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"
- Track Mount: MT4-4 Mounting Track Provided
- Approvals: FCC, LonMark®, CE
UL Listed, UL916, C-UL
- Gold Flash: No
- Override Switch: Yes

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

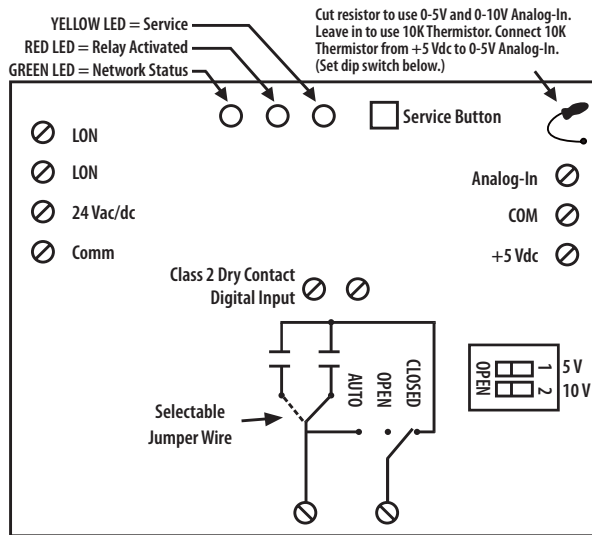
Power Input Ratings:

- 111 mA @ 24 Vac
- 81 mA @ 24 Vdc

Coil Voltage Input:

- 24 Vac/dc ; 50-60 Hz

- Channel: FTT-10A with blocking capacitors for
- Transceiver Type: compatibility with link power channel
0000 Node Object
- Functional Blocks: 0004 Closed Loop Actuator Object
0001 Open Loop Sensor Object
0520 Analog Input
- Downloadable Files: PDF, XIF, APB, VSS and NXE

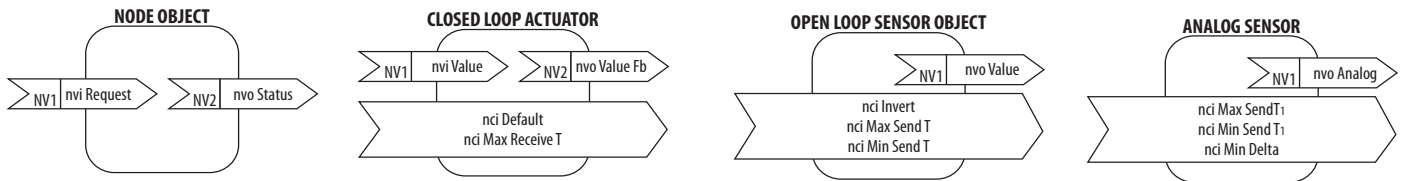


ANALOG-IN	
(Close only one switch)	
5 V	SW 1 Closed
	SW 2 Open
10 V	SW 1 Open
	SW 2 Closed

DESCRIPTION	SNVT NAME	SNVT TYPE
Command to open/close relay	nvi Value	SNVT_switch
Command status of relay	nvo Fb Value	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
Value of Analog-In	nvo Analog	SNVT_lev_percent
Max time between Analog updates	nci Max Send T1	SNVT_elapsed_tm
Min time between Analog updates	nci Min Send T1	SNVT_elapsed_tm
Min change in Analog before updates	nci Min Delta	SNVT_lev_percent

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.)



NOTES

ECHELON® ANALOG-IN APPLICATIONS

Typical applications for the analog-input of the Lonmark® Certified RIB® Relays.

