Building Automation

RIB®

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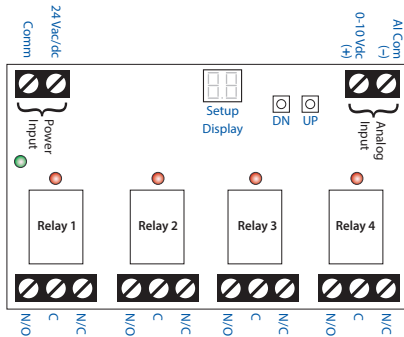**Toll Free:** (800) 888-5538 | **Office:** (765) 883-5538 | **Fax:** (765) 883-7505

I/O EXPANDER

RIBMN24Q4C-PX
Field Adjustable Staging Threshold Relay Module, 4 Outputs, 24 Vac/dc Power Input, 0-10 Vdc Control Input, 2.75" Track Mount

- **CONTROL FOUR RELAY OUTPUTS WITH ONE (0-10 VDC) ANALOG SIGNAL FROM CONTROLLER OR THERMOSTAT**
- **CAPABILITY TO SET DESIRED ON AND OFF VOLTAGES FOR EACH RELAY**
- **NO POTS TO ADJUST**
- **NO NEED FOR VOLT METER FOR SETUP**
- **ON BOARD "FIELD SELECTABLE" DIGITAL DISPLAY**
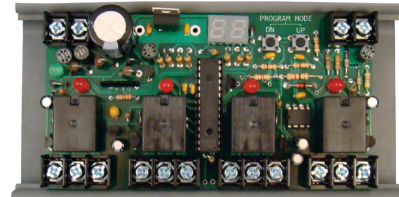
SPECIFICATIONS

# Relays & Contact Type:	Four (4) SPDT Continuous Duty Coil	
Expected Relay Life:	10 million cycles minimum mechanical	
Operating Temperature:	-30 to 140° F	
Humidity Range:	5 to 95% (noncondensing)	
Power Status:	Green LED On = Power On	
Relay Status:	Red LED On = Relay Activated	
Heartbeat Status:	Right-most decimal point	
Dimensions:	4.95"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:	UL Listed, UL916, C-UL, CE, RoHS	
Gold Flash:	No	
Override Switch:	No	

Contact Ratings:
15 Amp General Use @ 125 Vac
10 Amp General Use @ 277 Vac
10 Amp Resistive @ 30 Vdc (N/O)
7 Amp Resistive @ 30 Vdc (N/C)
1/2 HP @ 125 Vac
1 HP @ 250 Vac
1/4 HP @ 277 Vac
470 VA Pilot Duty @ 125 Vac
770 VA Pilot Duty @ 250 Vac

Power Input:
24 Vac/dc ; 50-60 Hz
200mA max.

Notes:
- For AC applications: isolation transformer recommended to be used solely for the power input.
- Relay will activate when control signal voltage reaches or exceeds individual relay ON point. Relay will deactivate when control voltage reaches or drops below individual OFF point.
- Factory Relay ON / OFF voltages:
  Relay 1: 3V / 2.8V | **Relay 2:** 5V / 4.8V | **Relay 3:** 7V / 6.8V | **Relay 4:** 9V / 8.8 V
- Minimum ON point: 0.5V | Maximum ON point: 9.9V | Minimum OFF point: 0.3V
- Relay number will flash 3 times when voltage exceeds setpoint.
- Pressing UP or DN button in normal run mode will display the voltage present on Analog Input.
- ON/OFF points are changed at any time by the user by entering "Program Mode"
- User defined ON/OFF points will be maintained upon power loss.