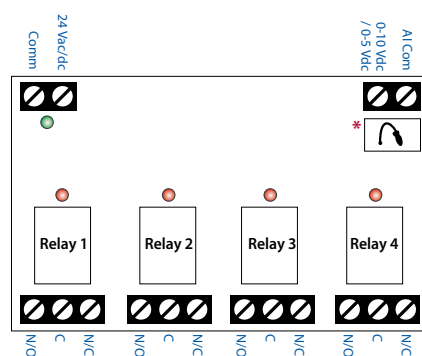


I/O EXPANDER

RIBMN24Q4C

I/O Expander, Four Outputs, 24 Vac/dc Power, 0-10 Vdc / 0-5 Vdc Control Input, 2.75" Track Mount



0-10 VDC CONTROL VOLTAGE	0-5 VDC * CONTROL VOLTAGE	RELAY 1 STATUS	RELAY 2 STATUS	RELAY 3 STATUS	RELAY 4 STATUS
0-0.372Vdc	0-0.186Vdc	OFF	OFF	OFF	OFF
0.726-1.000Vdc	0.363-0.500Vdc	ON	OFF	OFF	OFF
1.354-1.626Vdc	0.677-0.813Vdc	OFF	ON	OFF	OFF
1.982-2.254Vdc	0.991-1.127Vdc	ON	ON	OFF	OFF
2.608-2.882Vdc	1.304-1.441Vdc	OFF	OFF	ON	OFF
3.236-3.508Vdc	1.618-1.754Vdc	ON	OFF	ON	OFF
3.864-4.136Vdc	1.932-2.068Vdc	OFF	ON	ON	OFF
4.492-4.764Vdc	2.246-2.382Vdc	ON	ON	ON	OFF
5.118-5.392Vdc	2.559-2.696Vdc	OFF	OFF	OFF	ON
5.746-6.018Vdc	2.873-3.009Vdc	ON	OFF	OFF	ON
6.374-6.646Vdc	3.187-3.323Vdc	OFF	ON	OFF	ON
7.000-7.274Vdc	3.500-3.637Vdc	ON	ON	OFF	ON
7.628-7.902Vdc	3.814-3.951Vdc	OFF	OFF	ON	ON
8.256-8.528Vdc	4.128-4.264Vdc	ON	OFF	ON	ON
8.884-9.156Vdc	4.442-4.578Vdc	OFF	ON	ON	ON
9.510-10.000Vdc	4.755-5.000Vdc	ON	ON	ON	ON

GREAT FOR STAGING LOADS SUCH AS CHILLERS, PUMPS, ACTUATORS, OR MULTI-STAGE HEATING



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
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
Track Mount: MT212-6 Mounting Track Provided
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Gold Flash: No
Override Switch: No
Origin: Made of US and non-US parts

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.

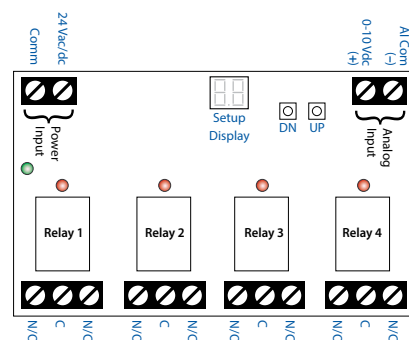
Notes:
 • **Must clip resistor in white box for 0-5Vdc.***
 • Custom Programming Available for Large Orders.

SPECIALTY PERIPHERAL CONTROLS

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, an isolation transformer, to be used solely for the power input, is recommended.
 • 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 / 8.9V
 • 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 can be changed at any time, by the user, by entering "Program Mode"
 • User defined ON/OFF points will be maintained upon power loss.