

RIBX24 Series

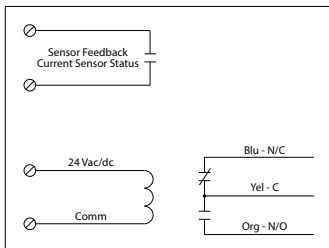
Current Switches or Transducers with Relay, 20 Amp SPDT or SPST + Override, 24 Vac/dc Coil, Fixed, Adjustable, or Analog, Up to 150 Amps Sensing Range, Terminal Strip or Wire Lead Output



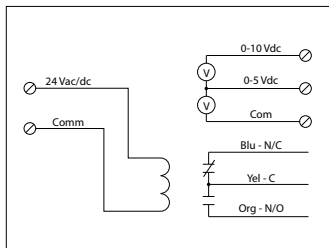
RIBX24SBA

CURRENT SENSORS

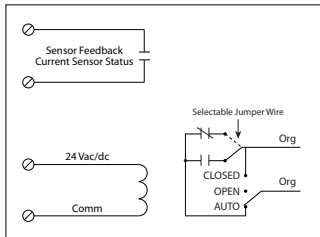
RIBX24BA, RIBX24BF+



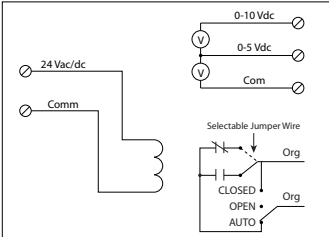
RIBX24BV^



RIBX24SBA, RIBX24SBF+



RIBX24SBV^



SPECIFICATIONS

Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Operate Time: 20ms
Relay Status: Red LED On = Activated
Dimensions: 4.00"H x 4.00"W x 1.81"D with 0.50" NPT nipple
Housing Detail: See **Housing C** in housing guide for dimensions
Origin: Made of US and non-US parts
Wire Length: 16", 600V Rated
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Housing Rating: UL Accepted for Use in Plenum, NEMA 1
Gold Flash: No

Coil Current:

50 mA @ 18 Vac
83 mA @ 24 Vac
33 mA @ 22 Vdc
35 mA @ 24 Vdc
47 mA @ 30 Vdc

Coil Voltage Input:

24 Vac/dc ; 50-60 Hz
Drop Out = 3 Vac / 3.8 Vdc
Pull In = 18 Vac / 22 Vdc

Sensor Contact: +

- When current sensor status is off (open), leakage <30 uA @ 30Vac/dc
- When current sensor status is on (closed), voltage drop < .3 Vac/dc @ .1 Amp
< 1.6 Vac/dc @ .4 Amp

Sensor Feedback Output: ^

- Voltage output is proportional to current sensor range.
- Min. Input Impedance = 30K ohms
- Accuracy +/- 1% full scale
- Vripple < 10m Vac

RIBX24 SERIES SELECTION GUIDE

Model#	Sensing Range	Type *	Threshold	Sensor Output	Resistive	Override Switch	Contact Ratings	Notes
RIBX24BF ECMs	.50-20 Amps	Internal w/ contact status	Fixed, .50 Amp	Solid State Contact 30 Vac/dc, 0.4 Amp	20 Amp	No	20 Amp Resistive @ 277 Vac 20 Amp Ballast @ 277 Vac 16 Amp Electronic Ballast @ 277 Vac (N/O) 10 Amp Tungsten @ 120 Vac (N/O) 1,110 VA Pilot Duty @ 277 Vac	
RIBX24BA ECMs	.50-20 Amps	Internal w/ contact status	Adjustable	Solid State Contact 30 Vac/dc, 0.4 Amp	20 Amp	No	770 VA Pilot Duty @ 120 Vac 240 Watt Tungsten @ 120 Vac (N/C) 2 HP @ 277 Vac 1 HP @ 120 Vac	
RIBX24BV	0-20 Amps	Internal w/ voltage output	Analog	0-5 Vdc 0-10 Vdc	20 Amp	No		
RIBX24SBF ECMs	.50-20 Amps	Internal w/ contact status	Fixed, .50 Amp	Solid State Contact 30 Vac/dc, 0.4 Amp	20 Amp	Yes	20 Amp Resistive @ 277 Vac 20 Amp Ballast @ 277 Vac (N/O) 10 Amp Ballast @ 277 Vac (N/C) <i>Not rated for Electronic Ballast</i>	• Normally Open or Normally Closed selected by yellow jumper wire
RIBX24SBA ECMs	.50-20 Amps	Internal w/ contact status	Adjustable	Solid State Contact 30 Vac/dc, 0.4 Amp	20 Amp	Yes	10 Amp Tungsten @ 120 Vac (N/O) 1,110 VA Pilot Duty @ 277 Vac 770 VA Pilot Duty @ 120 Vac	
RIBX24SBV	0-20 Amps	Internal w/ voltage output	Analog	0-5 Vdc 0-10 Vdc	20 Amp	Yes	240 Watt Tungsten @ 120 Vac (N/C) 2 HP @ 277 Vac 1 HP @ 120 Vac	

* = Internal current sensor monitors current through common contact of relay.