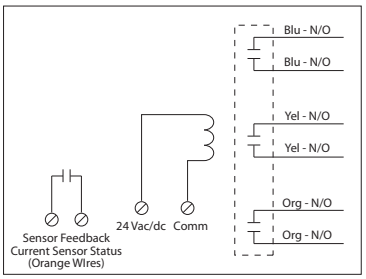
Functional Devices, Inc.

RELAY & AC CURRENT SWITCH COMBOS

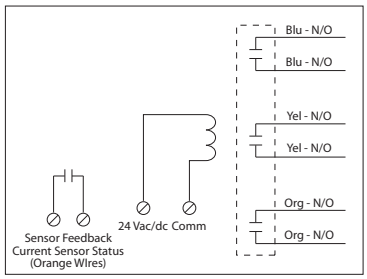
RIBX243PF

Enclosed Internal Fixed .50-20 Amp AC Sensor + Relay 20 Amp 3PST-N/O with 24 Vac/dc Coil



RIBX243PA

Enclosed Internal Adjustable .50-20 Amp AC Sensor + Relay 20 Amp 3PST-N/O with 24 Vac/dc Coil



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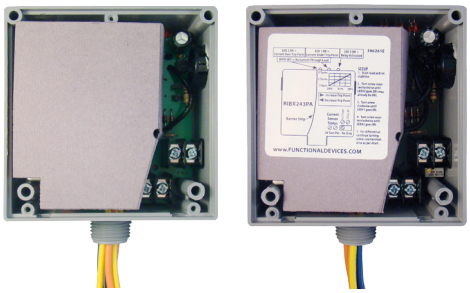
Made in USA
Meets "Buy American" of ARRA 2009



CURRENT SENSORS

SPECIFICATIONS

FUNCTIONAL DEVICES CERTIFIED FOR USE WITH **ECMs**

 # Relays & Contact Type: One (1) 3PST Continuous Duty Coil
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˝ x 4.00˝ x 1.80˝ with .50˝ NPT Nipple
Wire Length: 16˝, 600V Rated
Approvals: UL Listed, UL916, C-UL
California State Fire Marshal
Housing Rating: UL Accepted for Use in Plenum, NEMA 1
Gold Flash: No
Override Switch: No

Coil Current:
210 mA @ 24 Vac
154 mA @ 30 Vdc

Coil Voltage Input:
24 Vac/dc ; 50-60 Hz
Drop Out = 3 Vac / 3.8 Vdc
Pull In = 20 Vac / 22 Vdc

Contact Ratings:
20 Amp Resistive @ 300 Vac, 28 Vdc
20 Amp Ballast @ 277-480 Vac
Not rated for Electronic Ballast
15 Amp Resistive @ 600 Vac
770 VA Pilot Duty @ 120 Vac, 1 Phase
1158 VA Pilot Duty @ 240 Vac, 1 Phase
1110 VA Pilot Duty @ 277 Vac, 1 Phase
1640 VA Pilot Duty @ 480 Vac, 1 Phase
1466 VA Pilot Duty @ 240 Vac, 3 Phase
2112 VA Pilot Duty @ 480 Vac, 3 Phase
Heavy Pilot Duty @ 600 Vac
7.5 HP @ 480 Vac, 3 Phase
5 HP @ 240 Vac, 3 Phase
3 HP @ 480-600 Vac, 1 Phase
2 HP @ 240-277 Vac, 1 Phase
1 HP @ 120 Vac, 1 Phase

Sensor Type: Internal, with contact status
Current sensing on orange wires
Sensor Threshold: Fixed, .5 Amps (RIBX243PF)
Adjustable, .50-20 Amps (RIBX243PA)
Sensor Range: .50-20 Amps

Sensor Contact:
- Solid State Contact
- 30 Vac/dc, .4 Amp Max.
- 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

Notes:
- Order Normally Closed by adding "-NC" to end of model number