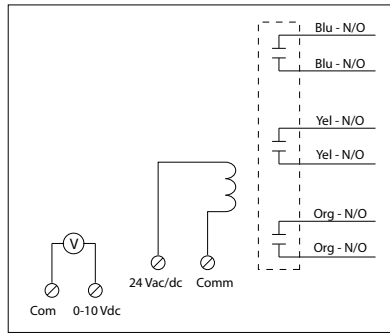


## RELAY & AC CURRENT SWITCH COMBO

### RIBX243PV

Transducer and Relay Combination, 20 Amp 3PST-N/O, 24 Vac/dc Coil, Analog, 0-20 Amp, 0-10 Vdc Output, NEMA 1 Housing



CURRENT  
SENSORS

## SPECIFICATIONS

**# 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"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  
**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 voltage output. Current sensing on orange wires

**Sensor Range:** 0-20 Amps

#### Sensor Feedback Output:

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

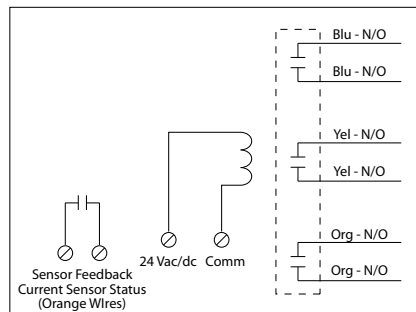
#### Notes:

- Order Normally Closed by adding "-NC" to end of model number
- Can be ordered with 0-5 Vdc voltage output - Consult factory.

## RELAY & AC CURRENT SWITCH COMBO

### RIBX243PF

Current Switch and Relay Combination, 20 Amp 3PST-N/O, 24Vac/dc Coil, Internal Fixed, 0.5-20 Amp, NEMA 1 Housing



## SPECIFICATIONS

**# 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"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  
**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

**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