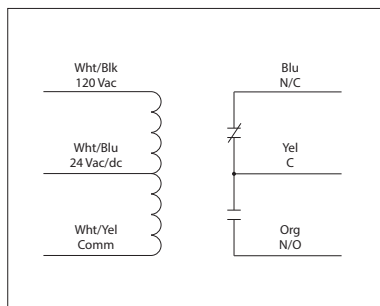


## 20 AMP POWER CONTROL RELAY

### RIB2401B

Enclosed Relay 20 Amp SPDT with  
24 Vac/dc / 120 Vac Coil



## SPECIFICATIONS

**# Relays & Contact Type:** One (1) SPDT 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:** 18ms  
**Relay Status:** LED On = Activated  
**Dimensions:** 2.30" x 3.20" x 1.80" with .50" NPT Nipple  
**Wires:** 16", 600V Rated  
**Approvals:** UL Listed, UL916, UL864, C-UL  
 California State Fire Marshal, CE, RoHS  
**Housing Rating:** UL Accepted for Use in Plenum, NEMA 1  
**Gold Flash:** No  
**Override Switch:** No

**Contact Ratings:**  
 20 Amp Resistive @ 277 Vac  
 5 Amp Resistive @ 480 Vac  
 20 Amp Ballast @ 277 Vac  
 16 Amp Electronic Ballast @ 277 Vac (N/O)  
 10 Amp Tungsten @ 120 Vac (N/O)  
 770 VA Pilot Duty @ 120 Vac  
 1,110 VA Pilot Duty @ 277 Vac  
 2 HP @ 277 Vac  
 1 HP @ 120 Vac

**Coil Current:**  
 50 mA @ 18 Vac 33 mA @ 22 Vdc  
 83 mA @ 24 Vac 35 mA @ 24 Vdc  
 47 mA @ 120 Vac 47 mA @ 30 Vdc

**Coil Voltage Input:**  
 24 Vac/dc; 120 Vac; 50-60 Hz  
 Drop Out = 2.1 Vac / 3.8 Vdc  
 Pull In = 18 Vac / 22 Vdc

# FUNCTIONAL DEVICES, INC. LIMITED WARRANTY

*(as defined by Magnuson-Moss Federal Trade Commission Improvement Act)*

These products are warranted to be free from manufacturing defects under normal use and conditions for one (1) year.

The warranty does not apply to:

- (a) Damage caused by accident, abuse, mishandling, or dropping;
- (b) Units which have been subjected to unauthorized repair, opened, or taken apart;
- (c) Units not used in accordance with directions;
- (d) Damages exceeding the cost of the product;
- and (e) Damages caused by lightning, water, or condensation.

If warranty service is required during the warranty period, and if examination shall disclose to the manufacturer's satisfaction that the product was originally defective, then the manufacturer will at its option repair or replace the product without charge upon prepaid delivery of the product to the factory with proof of date of purchase. Corrections of such defects by repair to or supplying of replacements for defective parts shall constitute fulfillment of all obligations of the manufacturer.

Manufacturer shall not be liable for loss, damage, or expense directly or indirectly from the use of its product, from the failure of its product to perform as expected, or from any other cause.

The above warranty supersedes and is in lieu of all other warranties, expressed or implied, and of all other liabilities or obligations on the part of the manufacturer. No person, agent or dealer is authorized to give any warranties on behalf of the manufacturer nor to assume for the manufacturer any other liability in connection with any of its products.

For warranty service, call factory for RA number and send the warranted product prepaid with sales receipt to:

**FUNCTIONAL DEVICES, INC.  
101 COMMERCE DRIVE  
SHARPSVILLE, IN 46068**

**FEDERALLY REQUIRED STATEMENT:** "This warranty gives you specific legal rights, and you may also have other rights which vary from state to state."