



**Functional  
Devices, Inc™**

# Bulletin B543

• RIBMX24BA 393024E

### CONTACT RATINGS

20A Res. @ 277 Vac  
20A Ball. @ 120/277Vac (N/O)  
10A Ball. @ 277Vac (N/C)  
16A Elect. Ball. @ 277Vac (N/O)  
10A Tung. @ 120Vac (N/O)  
2A Tung. @ 120Vac (N/C)  
1 HP @ 120 Vac  
2 HP @ 277 Vac  
770 VA Pilot @ 120 Vac  
1110 VA Pilot @ 277 Vac

### SENSOR RANGE

0.5-20A, Maximum 20A

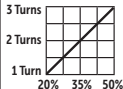
Functional Devices, Inc.  
101 Commerce Drive  
Sharpsville, IN 46068  
Phone: (800) 888-5538

### COIL INPUT

47 mA @ 30 Vdc  
83 mA @ 24 Vac

### TYPE F, G, EM

For use with:  
Smoke Control System  
General Signaling Equip. NM  
Dry Indoor Use



Decrease Trip Point ←  
Increase Trip Point →




20 turn pot - no stop



← SENSOR ADJUST. POT

 > Current Sensor  
 > Status = Closed  
when LED#2 is ON

 > RELAY COIL  
 > INPUT  
24 Vdc/ac

**OUTPUT CONTACTS**

Comm	
N/O	
N/C	

LED#3 ON = Under Trip Point   
LED#2 ON = Over Trip Point   
LED#1 ON = Relay Activated 

1. Start load and let stabilize.
2. Turn screw counterclockwise until LED#2 goes ON (may already be ON).
3. Turn screw clockwise until LED#3 goes ON.
4. Turn screw counterclockwise until LED#2 goes ON.
5. For differential, continue turning screw counterclockwise (approx. 30% of current per turn.)

**CAUTION: RISK OF ELECTRIC SHOCK - MORE THAN ONE DISCONNECT  
MAY BE REQUIRED TO DEENERGIZE THE DEVICE BEFORE SERVICING.**