



**Functional
Devices, Inc™**

Bulletin B543

• RIBMX24BA 393024D

LED ON = RELAY ACTIVATED

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

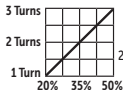
Functional Devices, Inc.
 101 Commerce Drive
 Sharpsville, IN 46068
 Phone: (800) 888-5538

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



LED#3 = Under Trip Point

LED#2 = Over Trip Point

LED#1 ON = Relay Activated

OUTPUT CONTACTS

Comm

N/O

N/C

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.**