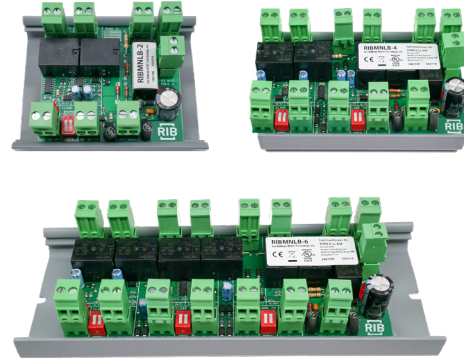
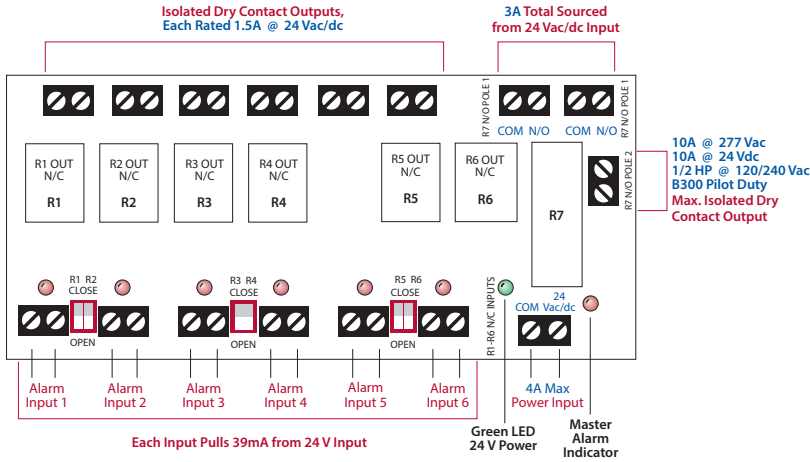


## FAN SAFETY ALARM CIRCUITS

### RIBMNLB-6/-4/-2

AHU Fan Safety Alarm and General Purpose Logic Circuit, 24 Vac/dc Power Input, 6/4/2 Alarm Inputs all with N/C Outputs, 2.75" Track Mount



## SPECIFICATIONS

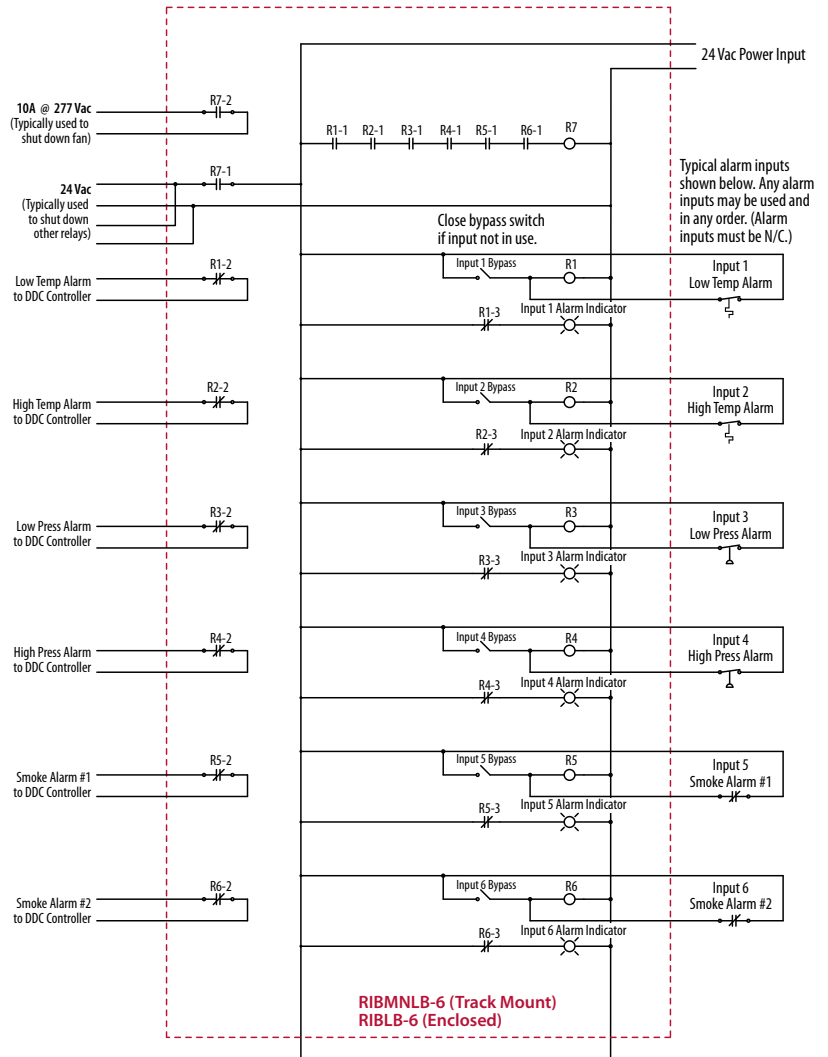
- Expected Relay Life:** 10 million cycles minimum mechanical
- Operating Temperature:** -30 to 140° F
- Humidity Range:** 5 to 95% (noncondensing)
- Operate Time:** 8ms
- Power Input:** 4 Amp max. @ 24 Vac/dc ; 50-60 Hz
- Alarm Status:** LED On = Activated
- Dimensions:** 6.20"H x 2.75"W x 1.25"D1/1.75"D2 (RIBMNLB-6)  
4.60"H x 2.75"W x 1.25"D1/1.75"D2 (RIBMNLB-4)  
3.00"H x 2.75"W x 1.25"D1/1.75"D2 (RIBMNLB-2)
- Housing Detail:** See Housing H in housing guide for dimensions
- Origin:** Made of US and non-US parts
- Track Mount:** MT212-6 Mounting Track Provided (RIBMNLB-6)  
MT212-4 Mounting Track Provided (RIBMNLB-4, RIBMNLB-2)
- Approvals:** UL Listed, UL916, UL864, C-UL, CE, RoHS, CSFM
- Gold Flash:** No
- Override Switch:** No

### Notes:

- Track mount models shown above.
- RIBMNLB-6 has six Alarm Inputs and one Master Alarm.
- RIBMNLB-4 has four Alarm Inputs and one Master Alarm.
- RIBMNLB-2 has two Alarm Inputs and one Master Alarm.
- This is a half wave device. When connecting 24Vac to both this device and a full wave device, damage to devices can occur.

Models RIBMNLB-6, RIBMNLB-4, and RIBMNLB-2 are simply devices that combine a common relay-logic function into a small, easy-to-install, and less expensive form.

A master relay will open if any one of the normally-closed (N/C) inputs open. There are six, four, or two inputs depending on the model chosen. LED status of all inputs, the master relay, and power input is provided. Bypass of unused inputs is also provided. The RIBMNLB series is provided with mounting track for mounting in user-provided electrical enclosures. The RIBLB series is enclosed in a NEMA-1, 4" x 7" enclosure with a clear lid to allow viewing of the status LEDs. The master relay has three general-purpose outputs: two 24 V output terminals and one dry-contact output rated up to 10 Amp @ 277 Vac (terminals on RIBMNLB series, wires on RIBLB series.) The most common application is an Air Handling Unit (AHU) fan-safety-shutdown where the master relay is used to shutdown the fan. Contact closure outputs are provided so that a DDC controller can determine the cause of a shutdown.



## SELECTION GUIDE

Model#	Inputs	
RIBMNLB-6	6	MT212 Mounting Track
RIBMNLB-4	4	MT212 Mounting Track
RIBMNLB-2	2	MT212 Mounting Track