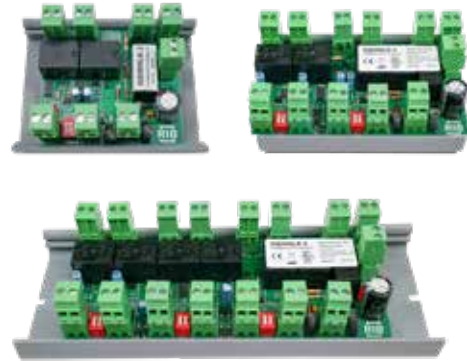
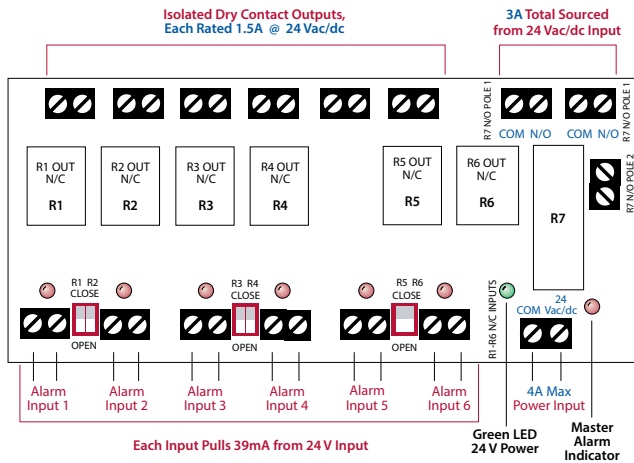


FAN SAFETY ALARM CIRCUITS

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:

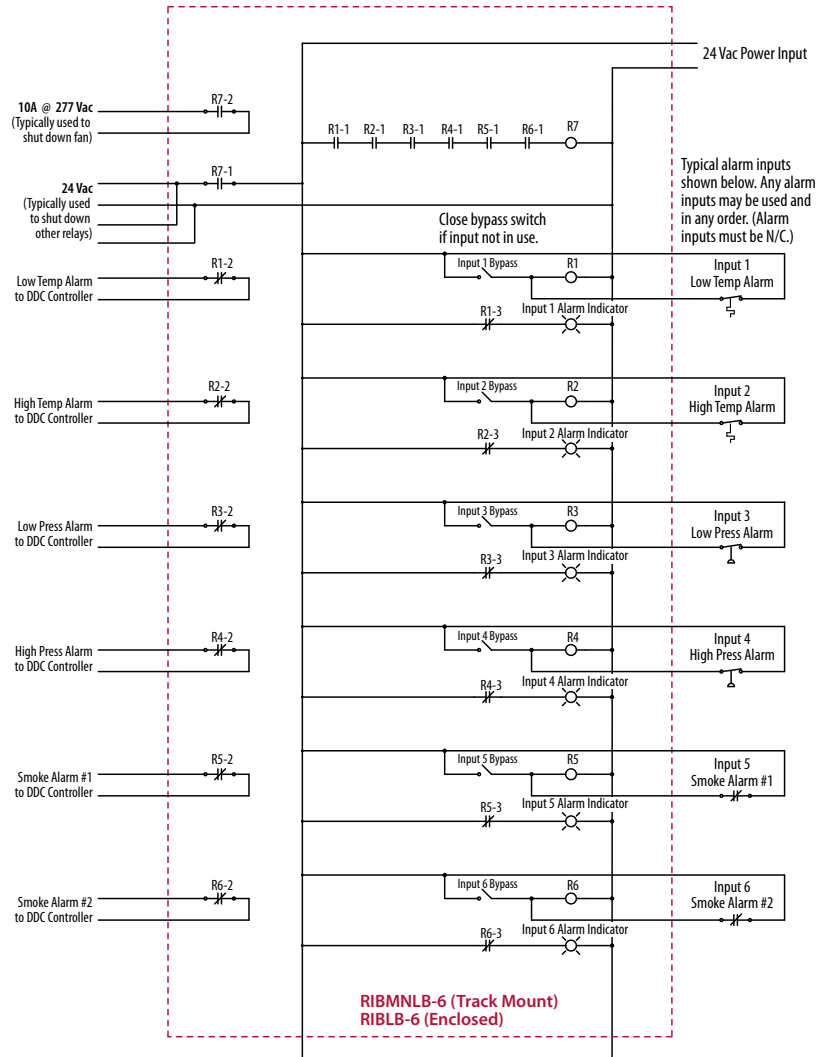
- Track mount models shown above.
- RIBMNLB-6 has six Alarm Inputs and one Master Alarm.
- RIBMNLB-4 has four Alarm Inputs and one Master Alarm.
- RIBMNLB-2 has two Alarm Inputs and one Master Alarm.
- This is a half wave device. When connecting 24Vac to both this device and a full wave device, damage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



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