**RIBMNLB-6/-4/-2**

**FAN SAFETY ALARM CIRCUIT**

2.75" Track Mount AHU Fan Safety Alarm and General Purpose Logic Circuit, 24 Vac Power

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**SPECIFICATIONS**

- **Expected Relay Life:** 10 million cycles minimum mechanical
- **Operating Temperature:** -30 to 140°F
- **Operate Time:** 8mS
- **Power Input:** 4 Amp @ 24 Vac; 50-60 Hz
- **Alarm Status:** LED On = Activated
- **Dimensions:**
  - 6.000" x 2.750" x 1.750" (RIBMNLB-6)
  - 4.740" x 2.750" x 1.750" (RIBMNLB-4)
  - 3.200" x 2.750" x 1.750" (RIBMNLB-2)
- **Track Mount:** MT212-6 Mounting Track Provided
- **Approvals:** UL Listed, UL916, UL864, C-UL, CE
- **Gold Flash:** No
- **Override Switch:** No

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**RIBMNLB-6/-4/-2**

**Coming Soon – Consult Factory**

**SPECIFICATIONS**

- **Dimensions:** 4.28" x 7.00" x 2.00" with .75" NPT Nipple
- **Housing Rating:** UL Listed, Nema 1, C-UL, CE Approved, Also available NEMA 4 / 4X in Summer 2007

Models RIBMNLB-6, RIBMNLB-4, and RIBMNLB-2, and RIBLB-6, RIBLB-4, and RIBLB-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 opens. 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 Vac 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

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**ISOLATED DRY-CONTACT OUTPUTS,**

**3A TOTAL SOURCED**

*EACH INPUT PULLS 5mA FROM 24 VAC INPUT*

**3A TOTAL SOURCED FROM 24 VAC INPUT**

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**RIBMNLB-6 (Track Mount)**

**RIBMNLB-6 (Roused)**

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**24 Vac Power Input**

Typical alarm inputs shown below. Any alarm inputs may be used and in any order. (Alarm inputs must be N/C)

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**Alarm Input 1**

**Alarm Input 2**

**Alarm Input 3**

**Alarm Input 4**

**Alarm Input 5**

**Alarm Input 6**

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**Green LED**

24 Vac Power

Master Alarm Indicator

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**Note:** RIBMNLB-4 and RIBLB-4 have four Alarm Inputs and one Master Alarm. RIBMNLB-2 and RIBLB-2 have two Alarm Inputs and one Master Alarm.