FAN SAFETY ALARM CIRCUITS
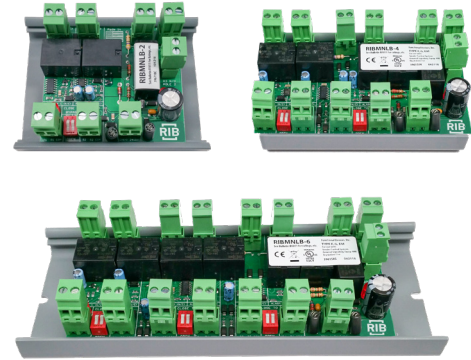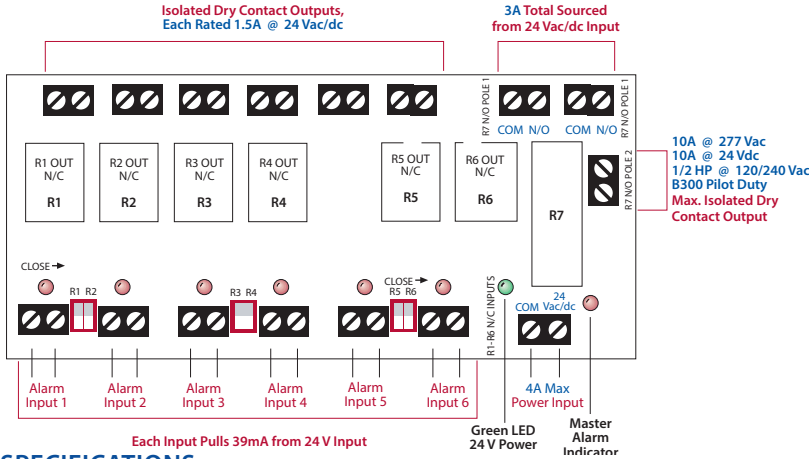
RIBMNLB-6/-4/-2
2.75″ Track Mount AHU Fan Safety Alarm and General Purpose
Logic Circuit, 24 Vac/dc Power Input, 2/4/6 Outputs

c UL us LISTED   CE   RoHS   MADE IN THE U.S.A.

Isolated Dry Contact Outputs, Each Rated 1.5A @ 24 Vac/dc

3A Total Sourced from 24 Vac/dc Input

10A @ 277 Vac
10A @ 24 Vdc
1/2 HP @ 120/240 Vac
B300 Pilot Duty
Max. Isolated Dry
Contact Output

4A Max Power Input

Green LED 24 V Power

Master Alarm Indicator

Each Input Pulls 39mA from 24 V Input

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:	6.200″ x 2.750″ x 1.750″ (RIBMNLB-6)
	4.600″ x 2.750″ x 1.750″ (RIBMNLB-4)
	3.000″ x 2.750″ x 1.750″ (RIBMNLB-2)
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
Housing Rating:	UL Listed, NEMA 1, C-UL, CE Approved, UL Accepted for Use in Plenum
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.

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.
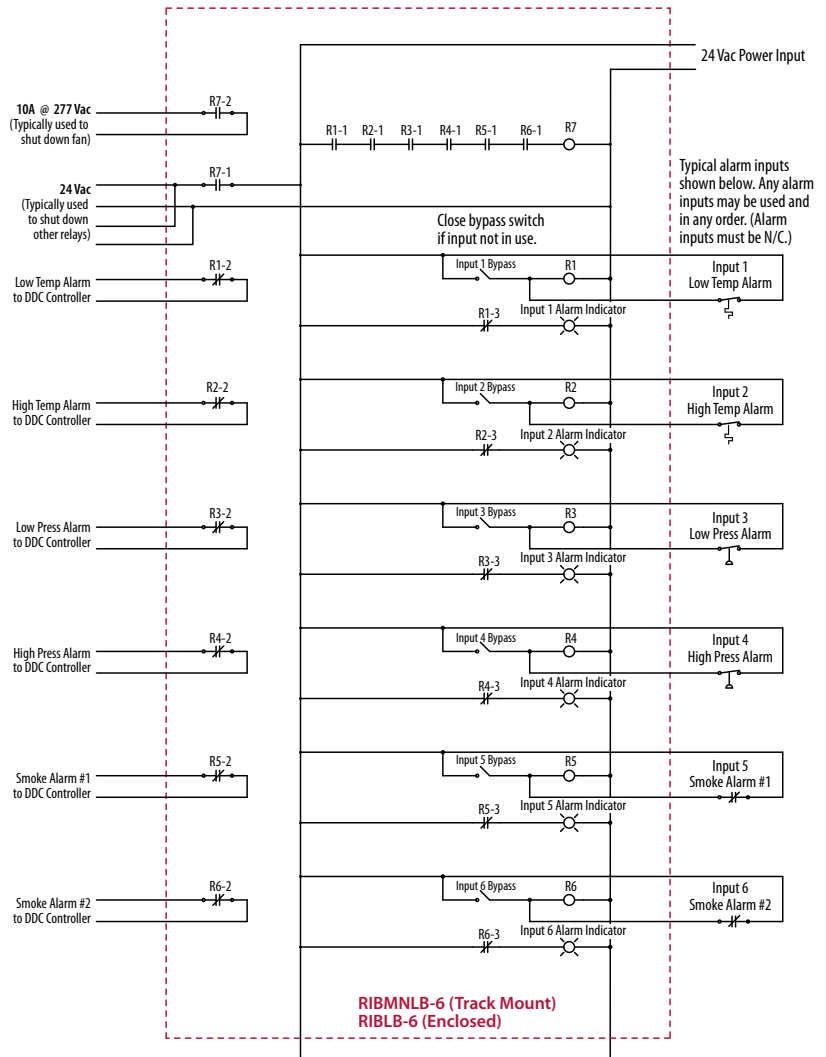
SELECTION GUIDE

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

RIBMNLB-6 (Track Mount)
RIBLB-6 (Enclosed)

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