RIB Building Automation

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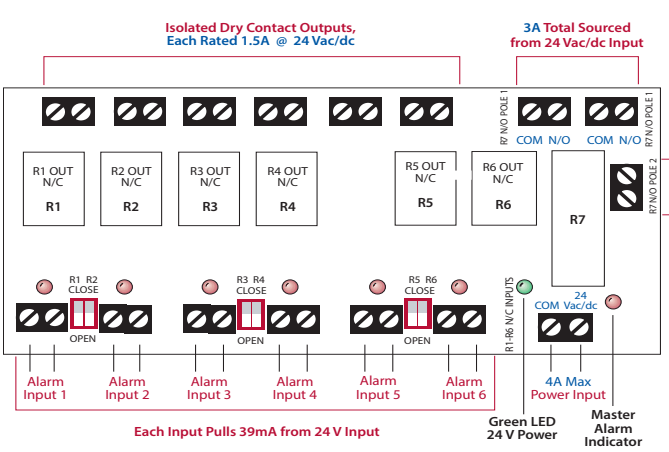
FAN SAFETY ALARM CIRCUITS

RIBLB-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, NEMA 1 Housing



SPECIFICATIONS

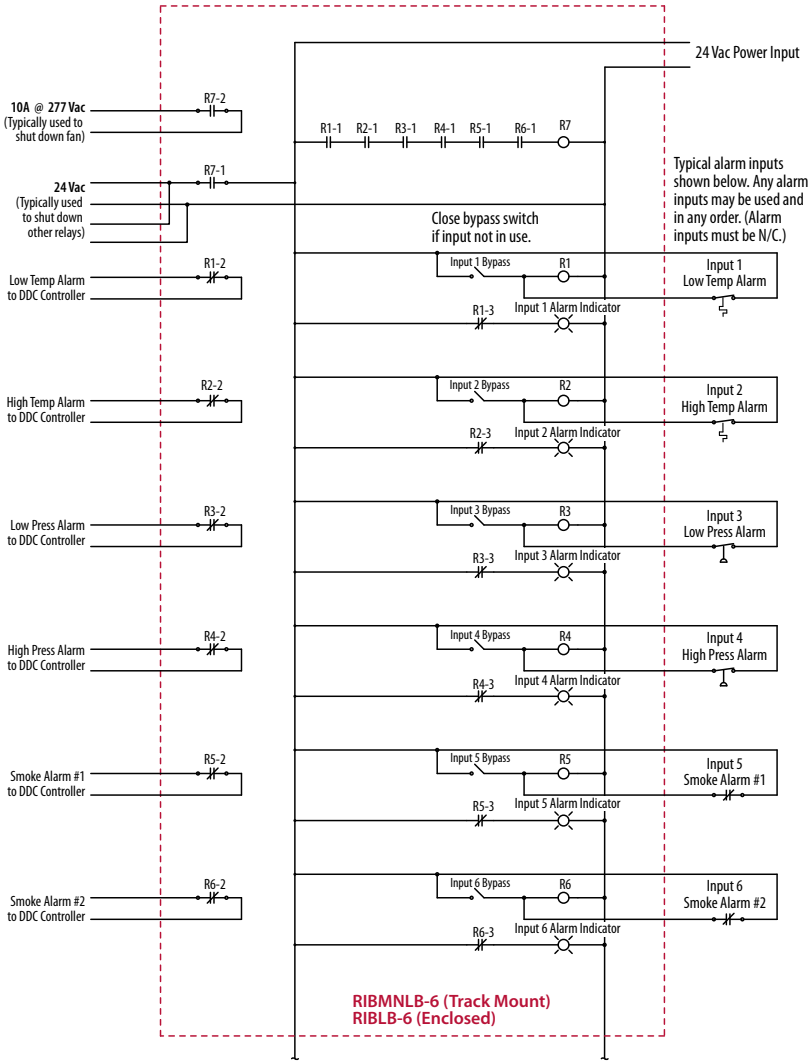
Expected Relay Life:	10 million cycles minimum mechanical
Operating Temperature:	-30 to 140° F
Humidity Range:	5 to 95% (noncondensing)
Operate Time:	8ms
Power Input:	4 Amp max. @ 24 Vac/dc ; 50-60 Hz
Alarm Status:	LED On = Activated
Dimensions:	4.28˝H x 7.00˝W x 2.00˝D with .75˝ NPT Nipple
Housing Detail:	See **Housing D** 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
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.
- RIBLB-6 have six Alarm Inputs and one Master Alarm.
- RIBLB-4 have four Alarm Inputs and one Master Alarm.
- RIBLB-2 have 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 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 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	
RIBLB-6	6	PE6020 Enclosure
RIBLB-4	4	PE6020 Enclosure
RIBLB-2	2	PE6020 Enclosure