



**GENERAL MONITORS**  
*Protection for life.*

## Model RL002

### Relay Module



#### Features

- Microprocessor-based Electronics
- Live Insertion/Removal
- LED Test
- Two Year Warranty

#### Benefits

- Monitors fault conditions, sensor inputs, and provides outputs in the form of display codes, analog signal, relay contact and open collector activations
- Module can be removed or inserted into a chassis with power applied without damage
- Tests the integrity of each LED and each segment of the digital display
- Provides user protection against failures resulting in greater customer confidence

### Description

The Model RL002 is a relay module that has been designed for system use with General Monitors' Zero Two Series based systems. The RL002 is designed to provide additional relay capacity to a Zero Two Series system beyond that which is supplied by the existing Modules in the system. Any Zero Two Series Module that provides open collector outputs can use those open collector outputs to activate one of the relays.

The outputs from the RL002 include:

- Four DPDT relays with four red LED indicators (R1 through R4)
- One amber LED for Fault indications
- One green LED Ready indicator

Any open collector output from a Zero Two Series card can be the input that drives a relay on the RL002.

The latching/non-latching logic for each set of relay contacts on the RL002 will be the same as the logic of the input that drives it.

The RL002 has supervised relays. Supervised relays give the ability of detecting opens and shorts in the relay circuits. A fault will be generated if a short or an open in any of the relay circuits is detected.



## MODEL RL002

### System Specifications

**Available Chassis:** 4, 8 or 16 channel rack or panel mounted

**Electrical Classification:** General purpose, non-hazardous locations

**Warranty:** Two Years

**Approvals:** CSA

### Environmental Specifications

**Temperature Range:** 0°F to 150°F (-18°C to 66°C)

**Storage Temperature Range:** -40°F to 150°F (-40°C to 66°C)

**Humidity:** 5 to 100% RH, non-condensing

### Electrical Specifications

**Operating Power:** 24 VDC nominal @ 125 mA  
20 to 35 VDC range

**Relay Contact Rating:** 250 VAC @ 4A,  
30 VDC @ 3A resistive max.

### Mechanical Specifications

**Length:** 9.9" (251mm)  
**Height:** 6.825" (173mm)  
**Width:** 1" (25mm)  
**Weight:** 11.2 oz. (318 grams)

**Standard Configuration:** RL02-331-000-000

*Specifications subject to change without notice.*

**Represented by:**

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