

ETS Inc. RI-16 relay board Instructions

The RI16 is a sixteen channel relay board typically used for reporting events occurring in “zones” between access control systems, alarm systems and fire alarm systems. The RI-16 can also be used to turn on / off, low current sounders, strobes, indicator lamps, etc, if ordered without EOL resistors.

Inputs:

Connect any trigger voltage from 5 to 24Vdc or 5 to 24Vac on the “in” terminals. Be sure to observe the trigger voltage polarity when using DC input voltages. The inputs to all channels have Voltage regulators on the input stages so that unstable or unregulated DC Voltages will produce a constant contact closure. An accidental reverse Voltage applied to the input terminals will not damage the RI-16. Each input of the RI-16 will draw 40ma, no matter what the input Voltage is. Be sure your trigger Voltage sources can supply enough current.

Relay outputs

The LED will light for all channels where there is an input voltage and the relay contacts for those channels will close. If you require a Normally Closed circuit (NC), then the input trigger Voltage must be removed to generate an alarm event.

Relay output EOL Resistor option

If you ordered the RI-16 with EOL resistors, the outputs can be directly connected to “supervised” inputs of other equipment. See figure 1 for the different supervision resistor configurations.

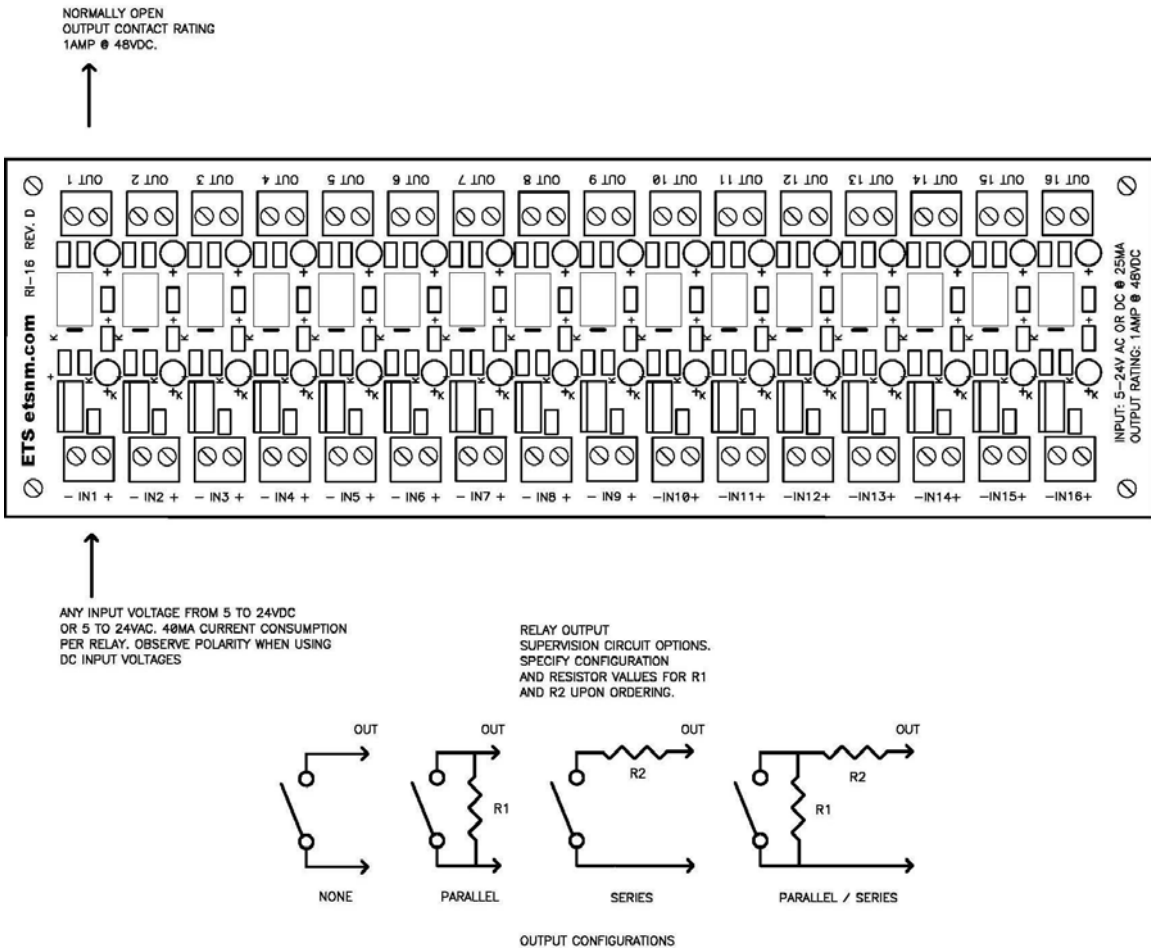


Figure 1.

Warranty

All ETS products carry a one year parts and labor warranty. This warranty does not cover damages as a result of misuse, improper handling of the unit or exposure to extreme temperatures or moisture. At its discretion, ETS reserves the right to repair or replace this unit under the conditions of the warranty. If you experience problems with your equipment call ETS at: 505-888-3923 to obtain a return authorization number. Equipment requiring repair beyond the warranty period or units that have been damaged or are not covered under the warranty can be repaired by ETS for a minimal cost under most conditions.

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