RLE Technologies

RR1x2
Relay Replicator

The Relay Replicator duplicates contact closure. It is useful when two different devices need the same dry contact information from a third device. The input causes a relay on the Relay Replicator to activate. In turn, the Relay Replicator provides two outputs for each input. The Relay Replicator operates on 12VDC. The relays provide 1,500V of electrical isolation.

Operating Instructions

1. The relay replicator duplicates any dry contact from any device connected to the input terminal blocks. Each input, when activated, will activate the corresponding output relay. The output relays are DPST. The outputs are isolated from each other.

2. The outputs can be connected in common by installing the necessary jumpers. This greatly reduces the number of wires that are terminated on the board(s). This may not be possible in all configurations. The terminal blocks will only accept two 20 gauge wires.

Mounting

1. Mount the relay replicator on the wall using the mounting holes.

2. Plug in the wall adapter. Do not apply power until the wiring is complete.

3. Put the cover back on the unit.

Testing

The relay replicator can be tested by two different methods:

1. Short the input terminal block and check the related output terminal block for continuity. This method only tests the relay replicator itself.

2. Produce an alarm condition on the unit connected to the relay replicator and verify the condition on the receiving units. This method verifies the entire system, both the wiring and the relay replicator.

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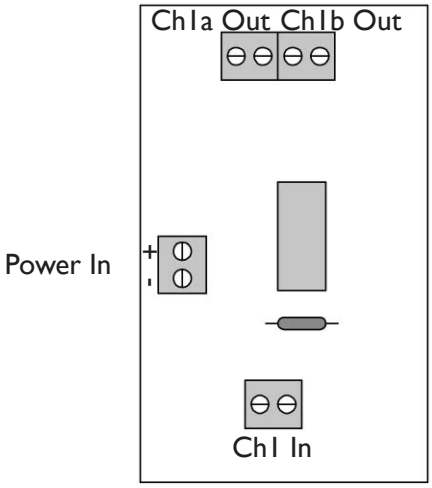
Technical Specifications

Power	12VDC
Output Relay Rating	2A @ 30VDC
Isolation	1500V
Dimensions	3.125"W x 5.875"H x 2.125"D (79mmW x 149mmH x 54mmD)
Operating Environment	-40°F to 185°F (-40°C to 85°C) 0% to100% RH non-condensing -250' to10,000'
Storage Temperature	-40°F to 185°F (-40°C to 85°C)



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