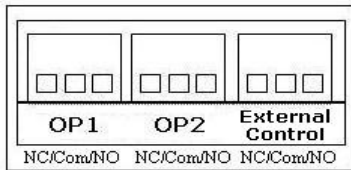


Ohm Metrics CM-Relay

Alarm Relay Box for the CM2800 Dual Wire Resistance Monitor

The CM-Relay is an external relay box used to add an alarm to the monitoring functions of the CM2800 Series monitors. There is an "I/O port" on the left-hand side of the CM2800 to support an external relay box. The optional relay box provides 3 dry-contact relays for OP1, OP2 and an external control port respectively. When CM2800 is powered on, the NO and COM contact is shorted as the default setting on the external control port. When CM2800 is power off, the NO and COM contact will be opened.

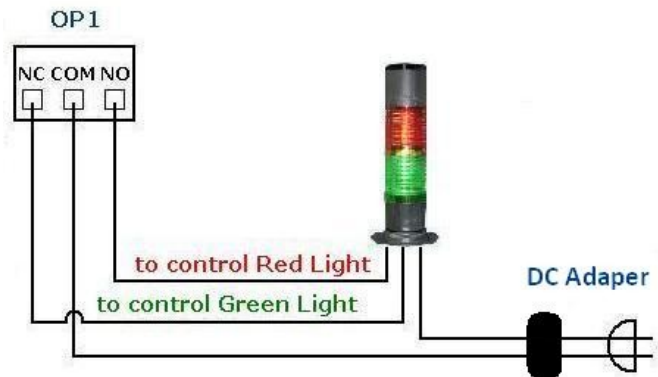


CM-Relay

Alarm Relay box used the CM2800 Series

The dry-contact relay is activated along with the monitoring status of OP1's and OP2's resistance and voltage. When OP's resistance or voltage exceeds the preset limit, the corresponding dry contact relay will switch from NC to NO. With a jumper on the PCB, the alarm can be configured between OP's idle state and OP's alarm. Every relay has 3 contacts with the center contact as common contact, the left contact as NC (Normally Close) and the right contact as NO (Normally Open). Each of these relays has contact rating of 1A at 30VDC, 2A at 120VAC, and 3A at 24VDC.

In the connection diagram below, we illustrate how to utilize "OP1" relay to control an external DC Green/Red Siren tower alarm. In most applications, the Siren is powered by a DC adaptor to prevent direct contact with 110V AC line.



The Ohm Metrics' CM2800 Series dual conductor workstation monitor provides continuous, uninterrupted monitoring of most grounding parameters on a workbench or in a tool, in compliance with ANSI 6.1 and ANSI/ESDA S.20.20 requirements

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.



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