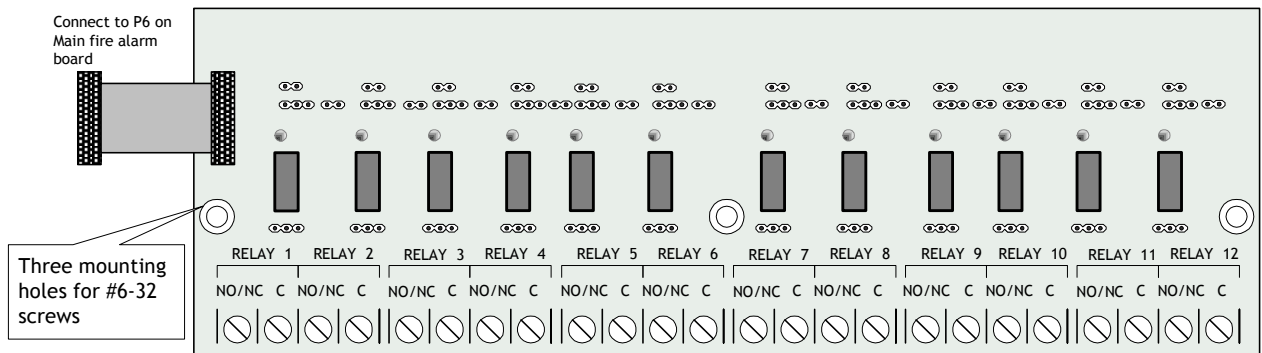


Model MR-2312-R12 Twelve Relay Adder Module

The MR-2312-R12 provides twelve programmable relays. It mounts below the MR-2300 main fire alarm board using the 3 screws provided. Before mounting the relay adder module, program the relays using the jumpers on the board. The jumpers located above each relay on the MR-2312-R12 are used to configure the relays. The jumpers located below the relays are used to select either normally open contacts or normally closed contacts. The ribbon cable from P1 of the MR-2312-R12 is connected to P6 on the Main Fire Alarm Board.

Figure 1: MR-2312-R12 twelve relay adder module



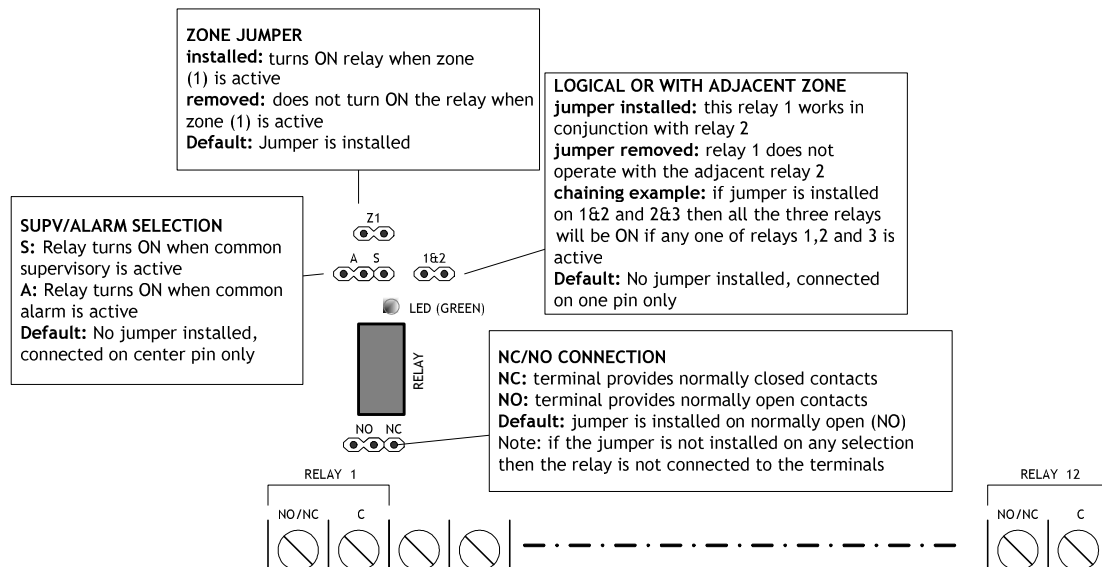
P1: Cable from **MR-2312-R12 Relay Adder Module** connects to **P6** on Main Fire Alarm Board.

PROGRAMMING THE RELAYS

A typical relay circuit is shown below in *Figure 2* with the jumper locations and descriptions.

Note: Relay programming should be done before installing the board into the fire alarm backbox.

Figure 2: MR-2312-R12 Relay programming



ELECTRICAL SPECIFICATIONS

Contact Rating: Normally Open NO, Normally Closed NC
28V DC per contact
1A resistive load max

Current Consumption: Standby: 0 mA
Alarm: 160 mA