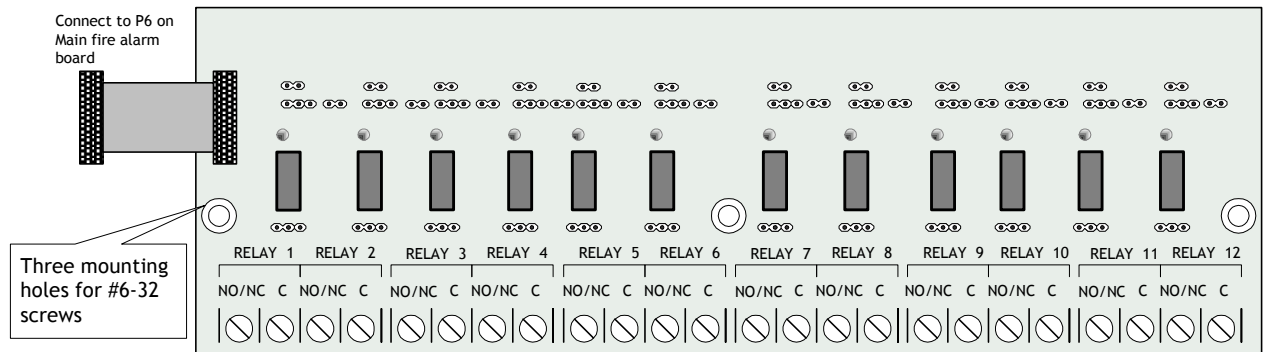




## Model RM-312 Twelve Relay Adder Module

The RM-312 provides twelve programmable relays. It mounts below the FA-300 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 RM-312 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 RM-312 is connected to P6 on the Main Fire Alarm Board.

**Figure 1: RM-312 twelve relay adder module**



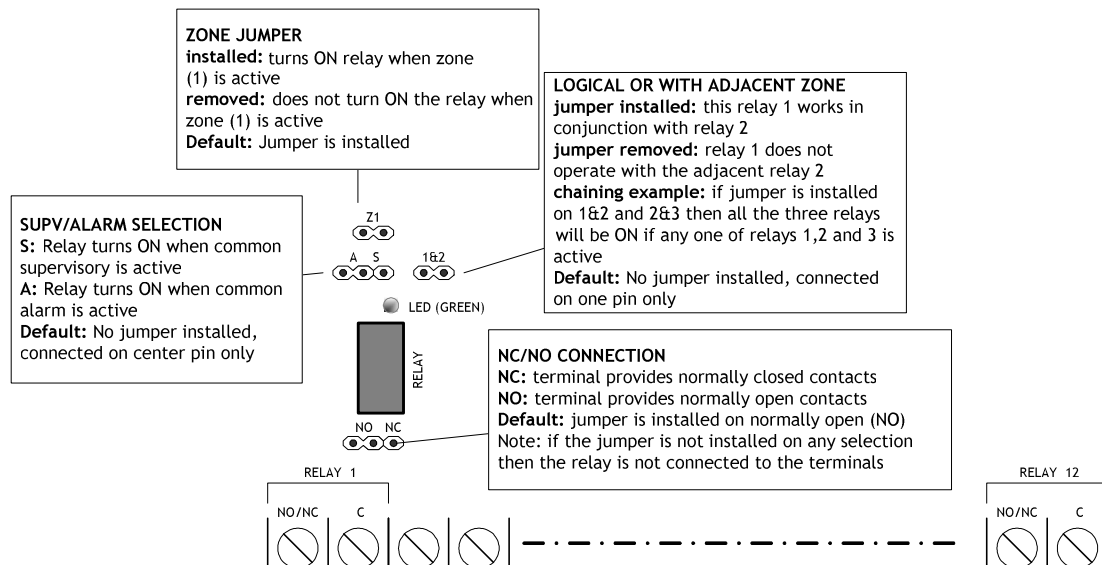
**P1:** Cable from **RM-312 Relay Adder Module** connects to **P6** on Main Fire Alarm Board.

### 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: RM-312 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