FF374 - DFR (FIRE RELAY) INSTRUCTIONS

Operation (Cannot be used on single zone panels)

This relay board gives individual relay outputs on zones 1 and 2 Only. The contacts are a free and floating unmonitored set of changeover contacts rated 1A 24VDC. The connections are as in FIG 2. Power may be obtained from the Aux +ve and Com -ve terminals as per the Fire Panel instructions. The contacts are rated at 24VDC 1A. DO NOT connect 240V.

Triggering of Zone 1 into Fire will trigger the Fire 1 (PL10) relay (as well as the main Fire Relay on the main PCB).

Triggering of Zone 2 into Fire will trigger the Fire 2 (PL9) relay (as well as the main Fire Relay on the main PCB).

When the panel is silenced via the main PCB the fire relays will return to the normal state.

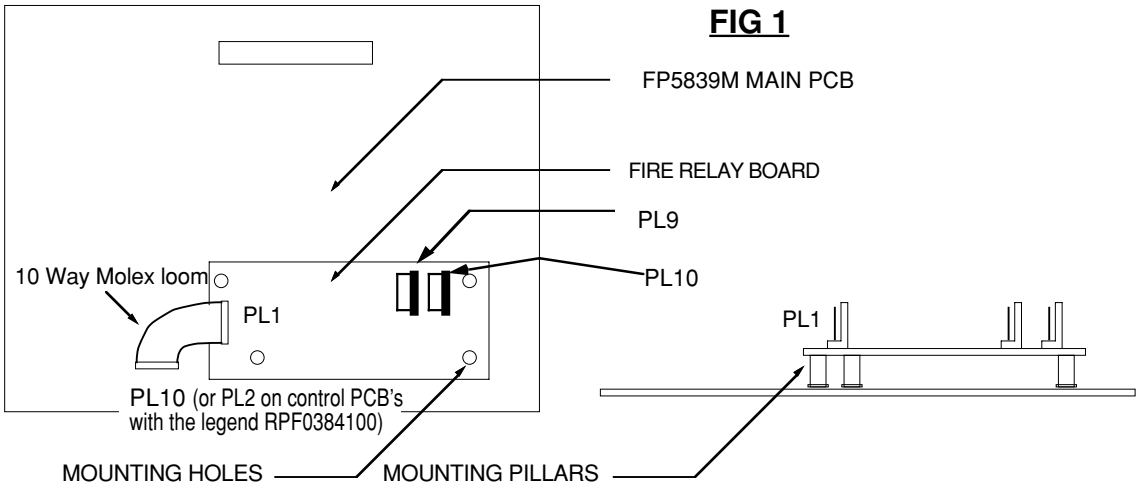
Installation Method (Ensure the fire panel is fully-operative before attempting installation).

REMEMBER: DO NOT HAVE THE MAIN FIRE PANEL POWERED UP WHILST INSTALLING THE RELAY BOARD.

Isolate the main control panel from the mains. The power supply fault will show, so remove the securing screws from the front, hinge the lid down and remove the battery leads.

Take the relay board and using the mounting pillars provided, mount the board above the main control board in the position shown in FIG 1.

FIG 1



When correctly mounted in the main panel a 10 way polarized Molex loom must be placed between PL1 of the relay board and PL10 of the main control PCB (PL2 on control PCB's with the legend RPF0384100) as shown above. Connections between relay board and base are made using the two looms provided (For connections see FIG 2). Retaining clips (Part No RNP0003000) are used to secure the connector strips to the base if required (4 way loom - Part number SWF3800106), if reqired extra 4mm retaining holes may be drilled, extra retaining pins are provided.

Ancillary Connection Position in the Base

NC = Normally Closed
NO = Normally Open
C = Common

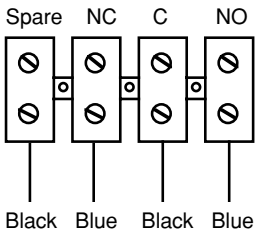
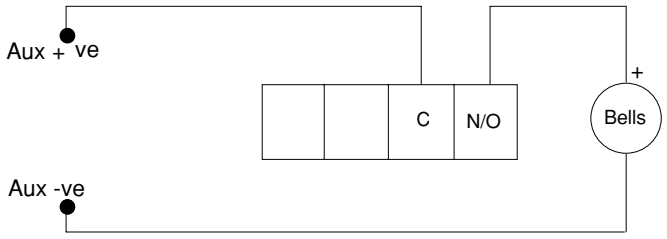


FIG 2

Connection to give Zonal Bells

The connection details below give zonal bells depending upon which zone is connected. The bell circuit will be unmonitored.



Testing the Relay Board

Reconnect the battery, close the lid and connect the mains.

To test the fire relay PCB trigger Zone 1 and Zone 2 checking relay operation on that board. Note if a fire relay unit is fitted you will not be able to fit a repeater fire unit to that system.