

DELAY TIMER INSTRUCTIONS

GENERAL

This timer unit allows the FP Range of 2-14 Zone Fire Alarm Control Panels to operate the alarm sounders in a delayed mode on any selected zone(s). It is not compatible with the EFP single zone fire panel.

Zones can be configured to operate in delayed mode by removing diodes from the panel's PCBs, as detailed in the SELECTING ZONES section below.

When a zone that has been set-up for delayed operation goes into alarm, the timer unit will commence its timing sequence (adjustable from 5 to 120 seconds). On completion of this sequence, the alarm sounders will sound.

During the delay period, the alarm sounders will immediately activate if a zone that is NOT set up for delayed operation goes into alarm or if the panel's EVACUATE button is pressed.

If during a delay period, the cause of the alarm is found to be false, the delayed activation of the sounders can be cancelled by silencing or resetting the alarm condition. Note: The EVACUATE button cannot be configured to delay.

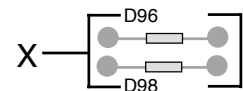
SELECTING ZONES

To configure a zone to operate in delayed mode (instead of instantaneous sounder trigger) certain diodes must be removed from the panel's main card and/or zone card(s) as appropriate. Please note: all references to connectors and diodes in this document are relevant to PCB's that have both surface mounted and conventional through board components. For PCBs that have conventional through board components only, please contact your supplier for further information.

On the Main Card:

To activate Zone 1's delayed sounder trigger cut and remove diode D98 (see right)

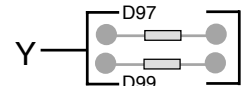
To activate Zone 2's delayed sounder trigger cut and remove diode D96 (see right)



Important Note: Certain FP main cards may also be populated with Zones 3 and 4. If this is this case:

To activate Zone 3's delayed sounder trigger cut and remove diode D99 (see right)

To activate Zone 4's delayed sounder trigger cut and remove diode D97 (see right)



If you wish to delay zone 3 or 4 as highlighted above, in addition to removing the diodes, a two way loom must be connected between PL8 on the main card and PL2 on the delay timer board.

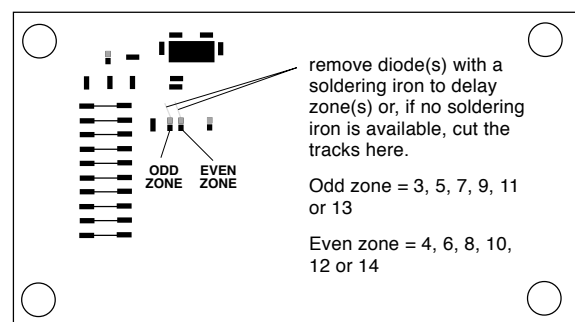
On any Zone Card(s) fitted:

Zone cards may also be configured to operate in delayed mode. This process requires the removal of the zone card from the lid and the modification of components on the reverse of the card. If you are in any way unsure of the procedure for doing this (described below) please contact your supplier for assistance.

To configure a zone for delayed operation, remove the diodes indicated with a soldering iron or cleanly cut the track that immediately joins the pad of the diode. Take great care - cutting the wrong track or removing an incorrect component will have a detrimental effect on the way the system operates.

When this procedure has been completed and the zone card is back on the lid, connect a two way loom from PL3 on the zone card to the first available plug of the connectors PL2/3/4/5/6/7 on the timer unit.

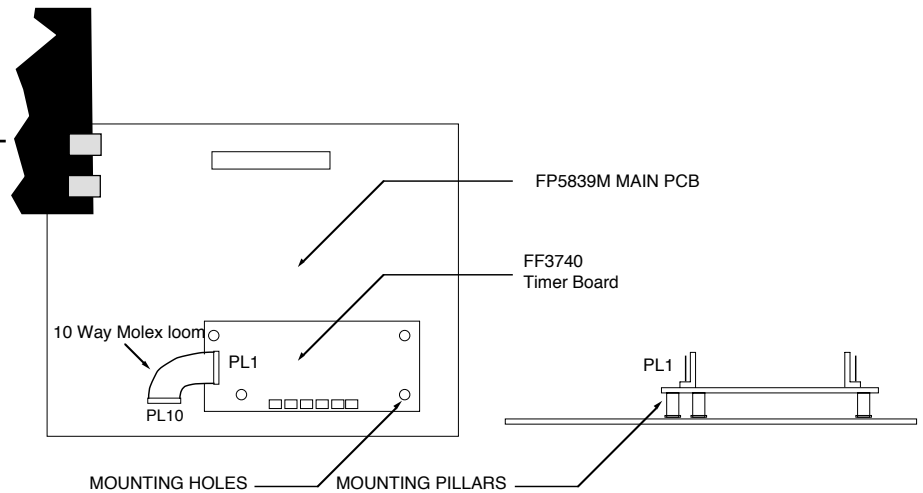
If any particular zone is required to operate instantly **do not** cut the relevant diode. In this instance, the two way loom does not need to be connected for that particular zone although leaving it connected will not alter or damage the device.



REVERSE OF FP ZONE CARD

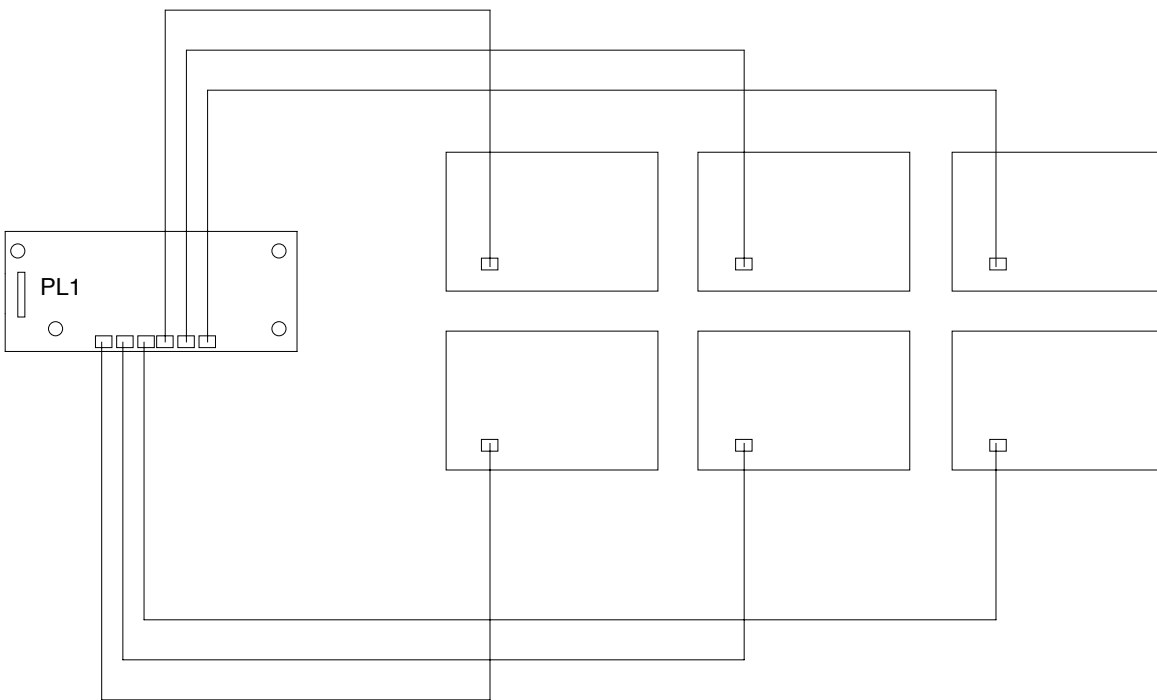
INSTALLING THE DELAY TIMER BOARD

- 1) Ensure the fire panel is fully-operative before attempting installation.
- 2) Isolate the fire panel from the mains. A power supply fault will show, so remove the allen screws from the front, hinge the lid down and remove the battery leads.
- 3) Using the mounting pillars provided, mount the timer unit above the main card as shown (right).



When correctly mounted in the panel, a 10 way polarized Molex loom must be placed between PL1 of the timer unit and PL10 of the main card (PL2 on main cards with the legend RPF3084100).

TYPICAL ZONE CARD CONNECTION



TESTING THE PANEL

Reconnect the battery, close the lid and connect the mains. To test the delay timer PCB trigger either zone 1 or 2 fire, the relay will only operate on the main PCB when the delay timer has timed out (see below).

ADJUSTING THE TIMER DELAY

The unit is initially set to approximately 30 seconds, but will operate from 5 seconds to 120 seconds (adjustable via VR1 on the PCB). When timing the led on the timer pcb will flash and at the end of a timing sequence, the led will go steady and the fire relay will trigger. When in its normal state the led is lit steady.

Note: If the zone diodes are cut and the 2 way molex connector is not connected the timer sequence will **not** be started and the panel will **not** trigger the sounders. Also note if a timer unit is fitted you will not be able to fit a repeater fire unit to that system.