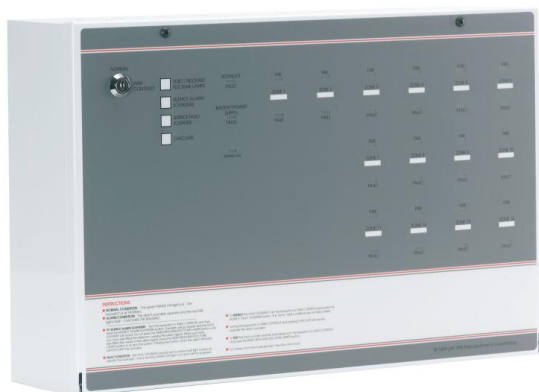


## FP 12 Zone Conventional Fire Alarm Panel (expandable to 14 zones)

Part No. **FF392-2**



### Overview

Installer-friendly design.

Robust metal enclosure c/w lift off lid & heavy-duty base connections.

12 conventional Zone circuits (expandable to 14).

Two conventional Sounder circuits.

Separate indicators for open & short circuit fault, sounder fault and battery/power supply fault.

Non-latching class change sounder output, latching fire & non-latching fault outputs (via expansion loom).

Short circuit=fire facility (pre-1980 BS, no resistors in call points, selectable on a zone by zone basis).

Ancillary connections for repeaters & other system add-ons including fault relay modules, fire relay modules, sounder delay relay modules, sounder extender kits, etc).

Multi-lingual variants (subject to quantities).

Space for 2x 12V 7Ah VRLA batteries.

Compatible with virtually all known conventional fire detectors including C-TEC's ActiV range.

Designed to comply with BS 5839-4 (this panel is not compliant with EN54-2/4 and should NOT be used in new UK or European installations).

### Technical Specifications

Compatibility	Designed to comply with the requirements of BS5839-4 (for head-out monitoring use 1 x BF378M module per zone).
Mains supply	230V 50/60Hz.
Mains rated current	700mA max.
Internal power supply	27V nominal.
Total output current limited to	3A @ 230V.
Quiescent current	90mA (with no mains supply, fault beeper muted, no aux. output connections, EOL devices and resistors only fitted to detector and sounder loops).



Max battery size and type	2 x 12V 7Ah VRLA connected in series.
No. of detector zone circuits	12 (Max. length per circuit is 500m). Up to 2 additional Zones can be added to this panel using FF387Z-2 two zone extender PCB kits. For head out monitoring 1 x BF378M is required per Zone.
Call point resistor value	470 to 680Ohm.
Max. devices per detector zone	20 detectors (max. detector current 2mA). No limit for manual call points.
No. of conventional sounder circuits	2 (Max. length per circuit is 500m).
EOL resistor value	68000ohm 5% Tol. 0/25W (blue, grey, red, gold).
Max. sounder output current	3000mA (to all outputs). Outputs are fused at 1A.
Auxiliary relays	1 x onboard relay (1A, 30 VDC, follows sounders). Additional relays available via optional expansion looms (FF374FR, FF374FDR & FF374DT).
Open collector outputs	Available via optional expansion loom FF374X.
Auxiliary inputs	Available via optional expansion loom FF374X..
Indicators	Mains on; Zone Fire; Zone Fault; Sounder Fault; Battery/Power Supply Fault; O/C fault; S/C fault; Zone isolated; Engineer Test selected.
Controls	Reset; Resound; Test Zone Lamps; Evacuate; Silence Alarm Sounders; Silence Fault Sounders; Revert to S/C equals Fire; OMT, Zone Isolate. Keyswitch.
Product dimensions (mm)	521 W x 334 H x D 140mm.
Construction & finish	Metal lid and base.
IP Rating	IP30.
Weight	9.2kg.
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%.
Notes	Repeater info: Up to 3 repeaters per main. 5 cores plus 1 per zone. Max. cable length 200m.



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