

MFP 20 Zone Conventional Fire Alarm Panel (expandable to 28 zones)

Part No. **FF520**



Overview

- Microprocessor based design.
- Robust metal enclosure c/w lift off lid & heavy-duty base connections.
- 20 conventional Zone circuits (expandable to 28).
- 4 conventional Sounder circuits.
- Separate indicators for open circuit, short circuit, head-out, sounder & battery/power supply faults.
- Non-latching class change sounder input, latching fire & non-latching fault outputs (via expansion loom).
- Zone selectable short circuit-fire facility (pre-1980 BS, no resistors in call points).
- Up to 8 two-wire Repeaters per Main panel.
- 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 (with head-out monitoring as standard).
Mains supply	230V 50/60Hz.
Mains rated current	700mA max.
Internal power supply	27V nominal.
Total output current limited to	3A @ 230V.
Quiescent current	105mA (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	20 (Max. length per circuit is 500m). Can be extended to 28 zones using FF501Z 4 Zone extender PCB kits.
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	4 (Max. length per circuit is 500m).
EOL resistor value	68000Ohm 5% Tol. 0/25W (blue, grey, red, gold).
Max. sounder output current	3mA (to all outputs). Outputs are fused at 1A.
Auxiliary relays	1 x onboard relay (1A, 30 VDC, follows sounders).
Open collector outputs	2 x Fire and 1 x Fault output available via optional FF574X expansion loom. Max. sink current 100mA.
Auxiliary inputs	Class change input available via optional FF574X expansion loom.
Indicators	Mains On; Gen Fire; Zone Fire; Zone Fault (S/C, O/C, head out, Zone disabled); Sndr Fault; Processor Fault; Batt/PSU Fault; Aux O/Ps Disabled; Fault Sounder (fault, silenced fire and delayed sounders); OMT; Sounder Walk Test
Controls	External (key operated): Reset/Test Scroll; Silence Alarm/Fault Sounders; Evacuate; Disable. Internal: OMT; Sounder Walk Test; Sounder Isolate; Sounder Delay; S/C equals fire; Non-latching zones.
Product dimensions (mm)	521 W x 334 H x D 140mm.
Construction & finish	Metal lid and base.
IP Rating	IP30.
Weight	9.5kg.
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%.
Notes	One FF596T repeater transmitter PCB allows the connection of up to eight monitored MFP Repeaters (star or daisy chain wiring, two wires, one for power and one for data).



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