

## FF516

MFP 16 Zone Conventional Fire Alarm Panel (expandable to 28 zones)



### Overview

Microprocessor based design.

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

16 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

|   |  |
|---|--|
| <b>Compatibility</b>                        | Designed to comply with the requirements of BS5839-4 (with head-out monitoring as standard).   |
| <b>Mains supply</b>                         | 230V 50/60Hz.  |
| <b>Mains rated current</b>                  | 700mA max.   |
| <b>Internal power supply</b>                | 27V nominal.   |
| <b>Total output current limited to</b>      | 3A @ 230V.   |
| <b>Quiescent current</b>                    | 90mA (with no mains supply, fault beeper muted, no aux. output connections, EOL devices and resistors only fitted to detector and sounder loops).  |
| <b>Max battery size and type</b>            | 2 x 12V 7Ah VRLA connected in series.  |
| <b>No. of detector zone circuits</b>        | 16 (Max. length per circuit is 500m). Can be extended to 28 zones using FF501Z 4 Zone extender PCB kits.   |
| <b>Call point resistor value</b>            | 470 to 680?  |
| <b>Max. devices per detector zone</b>       | 20 detectors (max. detector current 2mA). No limit for manual call points.   |
| <b>No. of conventional sounder circuits</b> | 4 (Max. length per circuit is 500m).   |
| <b>EOL resistor value</b>                   | 6800? 5% Tol. 0/25W (blue, grey, red, gold).   |
| <b>Max. sounder output current</b>          | 3mA (to all outputs). Outputs are fused at 1A.   |
| <b>Auxiliary relays</b>                     | 1 x onboard relay (1A, 30 VDC, follows sounders).  |
| <b>Open collector outputs</b>               | 2 x Fire and 1 x Fault output available via optional FF574X expansion loom. Max. sink current 100mA.   |
| <b>Auxiliary inputs</b>                     | Class change input available via optional FF574X expansion loom.   |
| <b>Indicators</b>                           | 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 |
| <b>Controls</b>                             | 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.                              |
| <b>Product dimensions (mm)</b>              | 521 W x 334 H x D 140mm.   |
| <b>Construction &amp; finish</b>            | Metal lid and base.  |
| <b>IP Rating</b>                            | IP30.  |
| <b>Weight</b>                               | 9.5kg.   |
| <b>Operating conditions/temperature</b>     | -5°C to +40°C. Max relative humidity: 95%.   |
| <b>Notes</b>                                | 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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