

3500 Fire Alarm Control Panel

- Available in 2, 4 and 8 Zone Models
- Attractive Surface or Recessed Mounting
- Comprehensive Range of Engineering Functions
- Zone Disablements
- Ability to Differentiate Between Manual Call Point or Automatic Detector Alarm
- Programmable Sounders for Automatic and/or Manual Activation 72 Hour Standby as Standard
- Third party Approved to Latest EN54 Parts 2 and 4. Meets the Requirements of BS5839 Part 1



The Protec 3500 range of conventional control panels has been designed to provide a simple, user-friendly, highly cost effective option with inbuilt flexibility previously only found in more complex addressable systems.

With up to 8 detection zones the 3500 range of Fire Alarm control panels are ideal for small to medium sized buildings such as industrial units, retail units, shops and schools.

The panels can be either surface or recessed mounted, with the controls and indications protected from unauthorised access by entering a user access code. These panels have the ability to identify if a 'FIRE' signal has been generated manually by a person activating a Manual Call Point (MCP) or automatically from a detector. This knowledge enables an appropriate cause and effect sequence to be implemented (time delays, for example) to allow for alarm verification for automatic detectors, but immediate alarms from MCPs. Cause and effect functions include coincidence detection, zone delays, pulsing sounders and fire relay. Interconnection with other systems is simplified as zones can be

configured as 'non-latching', and there is a dedicated 'class change input' terminal. The 3500 range of control panels are third party approved to the latest European standard and meets all the requirements of BS5839 pt1.

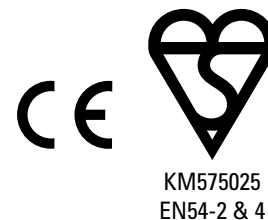
The 3500/RP Repeat Indicator Panel has been designed to connect to the 3500 panel serial data output. The 3500/RP mimics all the main panel display functions but does not have any control functions.

Up to five 3500/RP panels may be connected to a 3500 main panel.

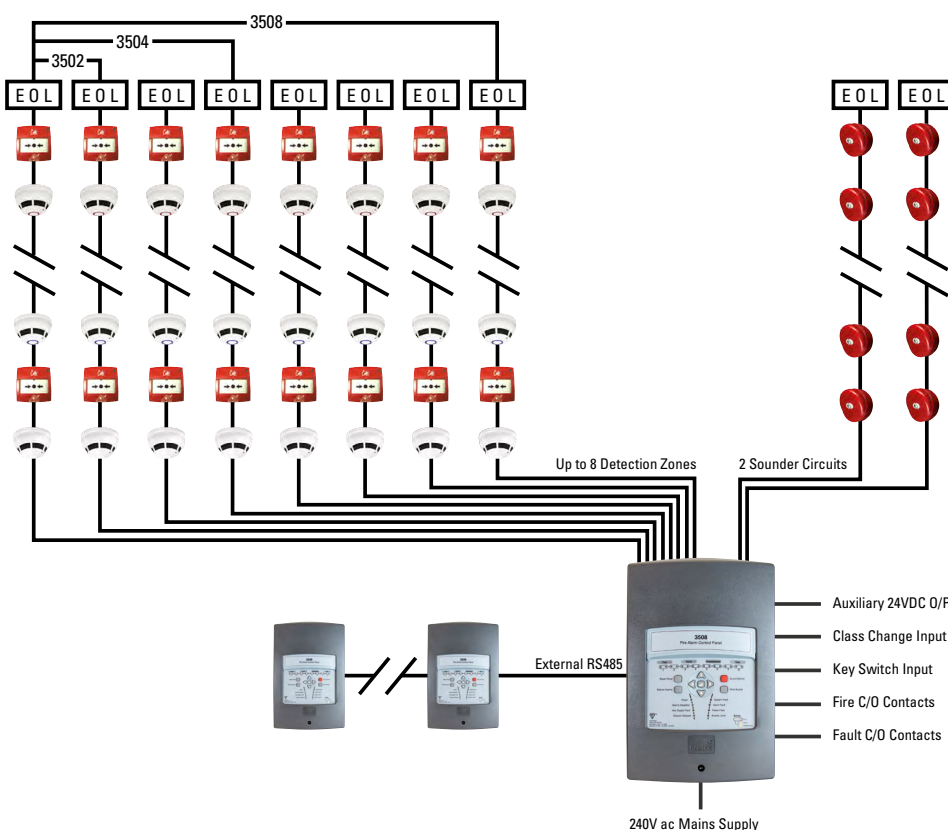
Order Codes

3502	62-807-UK
3504	62-808-UK
3508	62-809-UK
3500/RP	62-826-UK






Technical Specification



Power Supply Mains	100V-240V ac	Number of Alarm Circuits	2
Integral Charger	600mA	Alarm Circuit EOL Value	10kΩ 1/4W +/- 5%
Auxiliary 24V output	24V dc, 150mA max	Maximum Alarm Load	400mA per circuit
Maximum Battery Size	2 x 12V 3.3Ah	Class Change Input	Activates alarm outputs
Mains Fuse	16A time delay (not replaceable)	Global Fault Contacts	24V DC 1 A rating
Battery Fuse	1.6A resettable fuse	Global Fire Contacts	24V DC 1 A rating
Working Voltage	18V to 30V DC	Temperature Range	-5 to 40°C
Current Consumption	22mA (24V DC) + Zone Load	Humidity Limit	95% Non-Condensing
Number of Detector Zones	2 (3502), 4 (3504), 8 (3508)	Repeat Panel Operating Current	15mA (Standby) 30mA (Alarm) at 24V DC
Max Zone Cable Length	500 metres	Dimensions (mm)	228 (W) x 345 (H) x 111 (D)
Max Zone Cable Capacitance	0.25µF	Relevant Standard	EN54 Part 2 & 4
Max Zone Cable Resistance	15Ω per conductor		
Detector Circuit EOL Values	Resistive(8.2kΩ) or capacitive (100µF+22Ω)		
Max Quiescent Zone Load	5mA per zone		
Max Number of Detectors	25 per zone (smoke or heat)		
Maximum Number of Devices	32 (MCP and Dets) per zone		
MCP Series Resistor Value	180Ω +/- 5%		



KEY

-  3000PLUS/HT
-  3000PLUS/OP
-  3000PLUS/OPHT
-  3000/MCP
-  3000/VAD/W

Company Policy is one of continuous improvement, we reserve the right to change specification without prior notice

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