

## 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
- Approved to AS 7240.2 & 4, AS 4428.3 - 2010



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 approved to AS 7240.2 & 4 and AS 4428.3 - 2010.

The AS 4428 Part 3 2010 Fire Brigade Panel interface is operated via a 003 key switch and provides the following controls: Silence Buzzer, Silence Alarm, Reset and Disable. All controls operate as per the requirement of the standard.

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-AUS
3504	62-808-AUS
3508	62-809-AUS
3500/RP	62-826-AUS

# Technical Specification



<b>Power Supply Mains</b>	100V-240V ac	<b>Number of Alarm Circuits</b>	2
<b>Integral Charger</b>	600mA	<b>Alarm Circuit EOL Value</b>	10kΩ 1/4W +/- 5%
<b>Auxiliary 24V output</b>	24V dc, 150mA max	<b>Maximum Alarm Load</b>	400mA per circuit
<b>Maximum Battery Size</b>	2 x 12V 3.3Ah	<b>Class Change Input</b>	Activates alarm outputs
<b>Mains Fuse</b>	16A time delay (not replaceable)	<b>Global Fault Contacts</b>	24V DC 1 A rating
<b>Battery Fuse</b>	1.6A resettable fuse	<b>Global Fire Contacts</b>	24V DC 1 A rating
<b>Working Voltage</b>	18V to 30V DC	<b>Temperature Range</b>	-5 to 40°C
<b>Current Consumption</b>	22mA (24V DC) + Zone Load	<b>Humidity Limit</b>	95% Non-Condensing
<b>Number of Detector Zones</b>	2 (3502), 4 (3504), 8 (3508)	<b>Repeat Panel Operating Current</b>	15mA (Standby) 30mA (Alarm) at 24V DC
<b>Max Zone Cable Length</b>	500 metres	<b>Dimensions (mm)</b>	228 (W) x 345 (H) x 111 (D)
<b>Max Zone Cable Capacitance</b>	0.25μF	<b>Applicable Standards</b>	AS 7240.2 & 4, AS 4428.3 - 2010
<b>Max Zone Cable Resistance</b>	15Ω per conductor		
<b>Detector Circuit EOL Values</b>	Resistive(8.2kΩ) or capacitive (100μF+22Ω)		
<b>Max Quiescent Zone Load</b>	5mA per zone		
<b>Max Number of Detectors</b>	25 per zone (smoke or heat)		
<b>Maximum Number of Devices</b>	32 (MCP and Dets) per zone		
<b>MCP Series Resistor Value</b>	180Ω +/- 5%		

