

Premier AL 1-4 Loop Analogue Addressable Fire Alarm Panel (PR-AL/1, PR-AL/2, PR-AL/3, PR-AL/4)



The Premier AL analogue addressable panels are a powerful yet user-friendly series of control panels. They are designed to a high standard with LPCB approval to EN54, parts 2 & 4. Each panel in this modular series has considerable processing ability but is easy to install, programme and operate. This is supported by comprehensive support documentation. Panels are housed in steel enclosures and are finished in hardwearing epoxy paint.

This panel is ideally suited to installations which require very complex sounder and control/shutdown functions. The panels are programmable to meet individual site requirements by means of a cause & effect matrix. This is downloaded from a PC, using the Cause & Effect Edit Programme. Text may be edited via a keyboard or downloaded from a PC.

The Premier AL has a 4 line x 20 character backlit LCD display, showing the first and most recent event. Other events may be reviewed using the More Messages facility. User controls are accessed by means of keyswitch-enabled membrane controls, with password protection for engineer purposes.

Each panel has a high level of processing power and each loop has its own processor. The panel allows up to 126 addresses per loop. All addresses on a loop may be used for output functions, with 3 independently programmable output bits per address.

Up to 248 user-definable panel inputs and relay/programmable alarm outputs can be provided via expansions boards. Many useful testing and service functions are also provided. All events may be recorded on the optional printer and zonal indications are included as standard.

There is a complete range of compatible accessories available to support the Premier AL panels to meet most customer requirements. The addition of a network card to the panel will allow monitoring, indication and control of the functions of a networked installation, allowing signals to be distributed around a large site.

Features

- ✓ 1-4 loop addressable fire alarm panel (each with a 126 device capacity)
- ✓ LPCB Approved to EN54 parts 2 & 4
- ✓ Devices can be grouped into 32 zones
- ✓ Network up to 15 panels (giving a total of 60 loops)
- ✓ Extensive mode change options by day/night and special group allocation
- ✓ Windows based, full upload/download PC software package
- ✓ 500mA output per loop with highly stable voltage platform, even under mains-failed conditions
- ✓ Powerful processing and extensive panel and loop I/O capability
- ✓ User-friendly controls (enabled by key switch) and a clear, unambiguous screen (4 x 20 character LCD display)
- ✓ Membrane facia with tactile switches
- ✓ Complies with EMC and LVD Directives

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Optional extras

Panel Printer:

Add to panel to have a permanent record of all events printed.

Part No.	Model	Description
37-201P	PR-AL/1P	Premier AL 1 Loop Addressable FACP, c/w Printer
37-202P	PR-AL/2P	Premier AL 2 Loop Addressable FACP, c/w Printer
37-203P	PR-AL/3P	Premier AL 3 Loop Addressable FACP, c/w Printer
37-204P	PR-AL/4P	Premier AL 4 Loop Addressable FACP, c/w Printer

Repeater interface card:

Fit to panel to allow repeater panels to be added (supplied with repeater).

Network interface card:

Fit to panel to allow up to 15 panels to be networked and to add Global Network Repeater Panels.

The Premier AL 1-4 loop panel can use the Standard Repeater (for a stand alone panel) or a Global Network Repeater (for a networked system).

Part no.	Model	Description
37-250P	REP-AL/P	Premier AL Repeater Panel
37-255	REP-AL/G	Premier AL Global Network Repeater

Technical Specification

Model	PR-AL/1	PR-AL/2	PR-AL/3	PR-AL/4
Part No.	37-201	37-202	37-203	37-204
Detection Loops	1	2	3	4
Repeater Model	Premier AL Repeater (REP-AL)			
Repeater Part No.	37-220			
Mains Voltage	230V AC + 10% / -6% @ 50/60 Hz			
System Voltage	28V DC (nominal)			
Loop Voltage	24V DC + 9V AC Signal (nominal)			
Sounder Alarm Output	2 x 1 A Common @ 24V DC (nominal)			
Fault Relay	1 x Relay SELV @ 1A maximum			
Fire Relay	2 x Relay SELV @ 1A maximum			
Zone Capacity	32 programmable zones			
Sounder EOL	3K9 (Orange, White, Red, Gold)			
Charge Voltage	27.1 Volt (with battery disconnected)			
Charger Size	3 Amp			
Aux Supply	500mA max			
Batteries (Min. Size)	2 x 12V, 12AH SLA Batteries			
Ingress Protection	IP43			
Enclosure	410 W x 480 H x 144 D (mm)			
Weight	15kg (Excluding Batteries)			