Simplicity Plus Analogue Addressable Fire Alarm Panel (SP-252/M)

The Simplicity Plus is the ideal introduction to the world of addressable fire alarm panels.

As its name suggests, it has been designed with ease of use in mind, using pre-programmed values for its programming options. The installer simply needs to configure the loop and enter text labels via the built in keypad (optional).

The Simplicity Plus 252 has user definable zones, option for zonal or common alarm operation, options for I/O operation, alarm verification and user selectable languages.

It can be connected to an RS232 desktop printer for real time event log printing (Epson LQ300+ recommended) and it can also drive a serial repeater model AD-REP (Part No. 37-156).

Features

✓ Two loop addressable fire alarm panel (252 device capacity)

✓ Complies fully to EN54 parts 2 & 4

✓ User definable zones

✓ Option for zonal or common alarm operation

✓ Options for I/O operation

✓ Alarm verification (help prevent false alarms)

✓ User selectable languages

✓ Set of changeover relay contacts for fault condition

✓ Set of changeover relay contacts for fire condition

✓ 2,048 event log (fire & fault)

✓ Zone or device disablement

✓ One man test mode

✓ Plug & play, no need for any special tools or laptop for commissioning

✓ Fully integrated Qwerty keypad

✓ All associated devices are loop powered

Zonal Addressing

All devices are assigned to a specific zone based on their address. This removes a programming step and helps to streamline the commissioning process. The following table outlines which addresses fall in which zones.

Loop & Address	SP-252/M
1: Address 1 - 32	Zone 1
1: Address 33 – 64	Zone 2
1: Address 65 – 96	Zone 3
1: Address 97 – 126	Zone 4
2: Address 1 – 32	Zone 5
2: Address 33 – 64	Zone 6
2: Address 65 – 96	Zone 7
2: Address 97 - 126	Zone 8

Model	SP-252/M
Part No.	37-177
Supply Voltage	230V AC +/- 10%
System Voltage	24V DC (Nominal)
Number of Loops	2
Loop Capacity	126 Devices per Loop (Total 252)
Number of Zones	8
Sounder Output	Addressable Sounders Only
Fault Output	28V Repeat Output to Drive Relay (Normally Energised)
Fire Output	28V Repeat Output to Drive Relay
Operating Temperature	-0°C to 50°C
Enclosure Size	375mm x 335mm x 125mm

Alarm Verification

To help prevent false alarm causing a full evacuation, any smoke detector can be set to alarm verification mode with a time delay of between 30 seconds and 4 minutes. Should any of these detectors go into alarm then only the detector's LEDs and sound/flasher base (if connected) will activate. Should the alarm not be cleared with this time delay then a common alarm will occur.