

## ANALOGUE ADDRESSABLE FIRE PANEL

### Features

- 2 to 8 loop or 2 to 16 loop versions
- Multiple protocols supported on a single panel (in banks of two loops)
- Network up to 128 panels
- 500mA loop current
- 4 programmable sounder circuits each rated at 2.5 A
- Enclosure options to suit 26Ah or 45Ah battery options
- Approved and compliant with EN54-2, EN54-4., EN54-part 13 pending approval
- 3 programmable inputs
- 5 programmable relay outputs
- Up to 512 programme Input/ Output via optional plug in and serially connected expansion cards
- Hard wired fire and fault routing inputs and outputs
- over 4000 sub address points per panel
- Option to "invert" inputs and outputs
- Configurable via USB port to a USB flash drive or alternatively a USB port lead
- Optional Media Gateway communications card



### Description

DS-PC16 is Discovery's most powerful and sophisticated analogue addressable fire panel. It has been designed as one of the most powerful, intelligent and technically robust fire alarm products available with enhanced integration and networking capabilities to meet the current and future needs of small to larger buildings and installations. Initially configured as a fire detection and alarm system, the flexibility of DS-PC16 is such that it can be re-configured to realise many other control and indication applications, with direct integration into intelligent buildings. Available in 4 and 8 slot variants, DS-PC16 fire control panel ranges from 2 to 16 detection loops. DS-PC16 can network up to 128 panels, making it ideal for the largest sites such as schools, hospitals, multi-site retail/supermarkets, critical infrastructure and major commercial and industrial facilities. Multiple protocols can be supported on each panel to give installers and end-users maximum choice in their systems' design, and the scalable nature of the product possibilities. Designed with European and international customers in mind, DS-PC16 Fire contains 16 languages with more languages being implemented frequently.

### Specification 2-8 loop (4slot) Enclosure

Size	420mm (W) x 590mm (H) x 153mm (D) (Standard enclosure) 420mm (W) x 590mm (H) x 203mm (D) (Deep)
Construction	1.5mm mild sheet steel
Cable entry	28 knockouts top, 19 knockouts back, 1 knockout each side, 2 knockouts bottom (standard) 38 knockouts top, 19 knockouts back, 1 knockout each side, 2 knockouts bottom (deep)
Quiescent current consumption	Up to 26Ah standard enclosure, up to 45Ah deep enclosure

## Specification 2-8 loop (4slot) Enclosure

Size	540mm (W) x 720mm (H) x 160mm (D) (standard enclosure) 540mm (W) x 720mm (H) x 212mm (D) (deep enclosure)
Construction	1.5mm mild sheet steel
Cable entry	38 knockouts top, 25 knockouts back, 2 knockouts each side, 2 knockouts bottom (standard enclosure) 50 knockouts top, 25 knockouts back, 2 knockouts each side, 2 knockouts bottom (deep enclosure)
Quiescent current consumption	Up to 26Ah standard enclosure, up to 45Ah deep enclosure

## Specification

Finish	Epoxy powder coated
Colour - enclosure	BS 00 A 05 fine texture
Colour - controls plate	RAL7016
Power supply voltage	230V AC or 115V AC
Power supply rating at 24V DC	5.25A (charges up to 26Ah) or 10.25A (charges up to 45Ah)
Display	Full colour 800 x 480 LCD with resistive touch screen and automatic backlight dimming
Printer	40 column, front loading thermal (optional)
Zone LED indicators	Up to 3 banks of 48 (144) as standard
Software zones	2000
Software groups	Up to 5000 events including upto 40,000 inputs or outputs (dynamically assigned)
Event log	10,000 events, 1 second resolution. Filterable and printable
Detection loops	2 to 16 added 2 at a time (K758 dual loop cards)
Detection loop current	500 milliamps each
Sounder circuits	4 each rated at 2.5A, 24V DC, programmable
Auxiliary 24V supply 1	24V DC fused at 500 milliamps
Auxiliary 24V supply 2	24V DC fused at 500 milliamps
Default relays	Fault, Fire, Alarm, Programmable 1 and Programmable 2 (all re-programmable)
Programmable inputs	3, activated by volt free contacts
Auxiliary Serial port A	RS232 programmable
Auxiliary Serial port B	RS232 programmable
Ancillary I/O board serial port	RS485 programmable (size enclosure only)
Fire Routing (Ifam) serial port	RS485 programmable
USB host port	USB type A
USB device port	USB type B
Fire routing output	Monitored
Fire routing input	Monitored
Fault routing output	Monitored