

FP1216C-18

1200 Series - Addressable Fire Panel with 2-4 Loops 16 Zone LED's - Polish

General

The FP1216C is a versatile addressable fire panel supplied with 2 class-A loops. In addition to a generous backlit LCD display, it provides LEDs for indicating both fire and fault conditions with text descriptions for 16 fire zones on the front panel user interface. The panel may be upgraded with an additional 2 class-A loops, full inter-panel networking facilities on both copper or fibre, as well as with a LON network bus that supports the Aritech LON700 devices and repeaters, amongst others.

The FP1216C provides extensive maintenance features, boasts powerful I/O programming and supports both Aritech 2000 and 900 series protocols.

Installer Friendly

The FP1216C offers multiple auto-configuration options with extensive auto detection facilities facilitating quick initial setup even for large systems. Multiple repeaters in various formats may be connected over a 2-wire network with both class-A and B operating modes, whilst up to 31 fire panels may be networked together for large applications.

User friendly

In addition to the comprehensive information LEDs, the panel's large LCD display allows for every device in the system to be described with up to 80 characters of descriptive text, as well as 40 characters for zone descriptions. Complete statistics and graphics indications for every device are available.

Several mechanisms for preventing false alarms, including floating background with automatic compensation, double knock and coincidence mode within and between zones, as well as soak test facilities allow the user complete piece of mind.

Maintenance friendly

Maintenance warnings are available whenever detectors reach contamination levels. Together with real time diagnostics and statistics per sensor, the FP1216C offers a wealth of in-depth information locally or by remote connections.

LON700 Modules

Up to 32 LON700 nodes are supported on the optional LON700 network. This includes LCD and LED repeaters, synoptic chart drivers, supervised in- and output boards, relay and open collector output boards, zone monitors and power supplies.



Details

- Configuration, maintenance and graphic PC software support
- Up to 128 device addresses per loop
- Full interpanel network options
- Full range of repeaters and LON700 devices including Dutch and Scandinavian fire brigade panels, and Scandinavian alarm delay units
- Networkable "black box" panels
- Power supply for 72-hour autonomy
- Default start-up and service modes
- Programmable service reminders, on-line diagnostics and statistics
- Maintenance warnings and soak testing facilities
- One-man maintenance
- Floating background and drift compensation
- Programmable day/night functionality
- Coincidence within and between zones
- Timed and manual zone control
- I/O programming with Boolean functions (maximum allocated input memory = 300)
- Scandinavian variants with Scandinavian firemans key available
- EN54 and CPD certified

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Technical specifications

General

Network size (nodes) more than 128

Electrical

Power consumption 200 VA

Operating voltage 230 VAC (+10%, -15%), 47-63 Hz
21 to 28 VDC

Current consumption 200 mA @ 24 VDC (operation)
<240 mA @ 24 VDC (alarm)

Auxiliary supply (24 VDC) 9 to 28 VDC @ 1 A (max)

Auxiliary supply (5 VDC) 5 VDC ($\pm 0.1V$) 75 mA (max)

Loop

Maximum loop capacity 4

Quantity of devices per loop <128 addresses (protocol dependent)

Cable rating <2 km, \varnothing 1 mm, 300 nF/km, 100 ohm

Loops per panel 4 (Class A), 8 (Class B)

Loop current <500 mA

Zone

Maximum zone capacity up to 255

Standby battery

Charging Battery charger: 27.3 VDC at 20°C, 36 mV/°C

Batteries supported in housing 2 x 12 V (7 to 45 Ah)

Physical

Form factor Medium

Physical dimensions 445 x 445 x 120 mm

Net weight 9 kg (no batteries)

Colour Traffic white (RAL9016)

Mounting type Surface mount

Environmental

Operating temperature -5°C to +40°C

Storage temperature -20°C to +60°C

IP rating IP54

Regulatory

Certification EN54-2, EN54-4

Inputs / Outputs

Relays 4 (2A @ 24 VDC - 60W)

Supervised Relays 4 (24 VDC, 30 ohm, 120 nF, 500 m)

Inputs (Opto Isolated) 4 (15 VAC/0 to 28 VDC)

Inputs (Supervision selectable) 4

Zone indicators per panel 16 (fire & fault)
