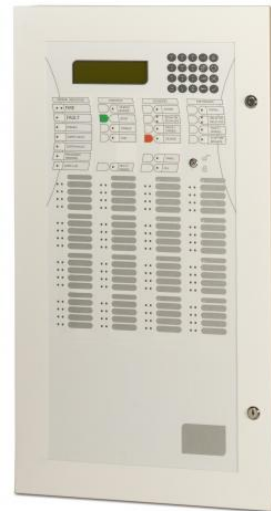# FP2864C-xx

2000 Series Addressable Fire Panel, 2 - 8 loops, 16 - 64 zones

General

The FP2864C 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 6 class-A loops as well as 48 zone indicators, 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 FP2864C provides extensive maintenance features, boasts powerful I/O programming and supports both Aritech 2000 and 900 series protocols.

Installer and User friendly

The FP2864C 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.

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 FP2864C 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.

Standard Features

- 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 facilties
- One-man maintenance
- Floating background and drift compenstation
- Programmable day/night functionality
- Coincidence within and between zones
- Timed and manual zone control
- I/O programming with Boolean functions
- Scandinavian variants with Scandinavian firemans key available
- EN54 and CPD certified

FP2864C-xx

2000 Series Addressable Fire Panel, 2 - 8 loops, 16 - 64 zones

Specifications

Power supply

Mains supply	230 VAC (+10%, -15%), 47-63 Hz
Power requirement	200 VA
Operating voltage	21 to 28 VDC
Operating current	200 mA @ 24 VDC
Alarm current	< 240 mA @ 24 VDC
Auxiliary supply (24 VDC)	19 to 28 VDC @ 1 A (max)
Auxiliary supply (5 VDC)	5 VDC (±0.1V) 75 mA (max)
Battery charger	27.3 VDC at 20°C, 36 mV/°C
Batteries	2 x 12 V (7Ah to 45 Ah)

Loop specifications

Loops per panel	8 (Class A)/8 (Class B)
Loop current	< 500 mA
Addresses per loop	< 128 *
Loop cable length	< 2 km
Loop cable specification	Ø 1 mm, 300 nF/km, 100 ohm

Inputs and 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	64 (fire & fault)

Environmental

IP rating	IP54
Operating temperature	-5°C to +40°C
Storage temperature	-20°C to +60°C

Physical

Colour	RAL9016 Traffic White
Dimensions (h x w x d)	810 x 445 x 120 mm
Weight (no batteries)	15 kg

* Protocol dependent

Ordering Information

Part No.	Description
FP2864C-xx	2000 Series Addressable Fire Panel, 2 - 8 loops, 16 - 64 zones
BUS2000	FP2000 Series Bus Termination Board
ESPA2000	FP1200/2000 Series ESPA Protocol Hardware Key
LC1502	2-loop extension board for 1200/2000 series fire panels
LON2000	LON700 Interface Driver for FP1200/2000 Series Fire Panels
NC2011	FP1200/2000 Series ARCNET RS485 Network Card with Single RS485 Interface
NC2051	FP1200/2000 Series ARCNET Network Card with Single Optical Interface
PR2000C	Internal Printer for 2000C Series Fire Panels and Repeaters
RB2016	Relay Expansion Board for FP1200/2000 Series Fire Panels
ZE2016	FP2000 Series 16-Zone LED Extension with Fire and Fault LEDs per Zone
BS131N	Battery 12 V 18 Ah
-xx	Language Codes

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