FRG2064C-21

2000 Series - Global Repeater 16 zones expendable to 64 With Up To 64 Indicators - Portugal

General

The FRG2064C is a repeater/emulator with 16 fire and fault zones, expandable to 64, used in FP1200/2000C series networked systems. The repeater is connected on the fire panel network and can operate in a local or global repeater mode. An 80 x 40 character, backlit graphic display and full indication and control keyboard is provided standard.

FP1200/2000C Series

The FP1200/2000C series is a complete range of networkable, analogue addressable fire panels supporting a large range of fully emulating repeaters with connectivity to suit all applications. Networking may be done with either copper or optical fiber, with software supporting configuration, maintenance and graphics applications on standard PC platforms.

LON700 I/O

Up to 31 LON700 devices are supported on every panel and repeater as an add-on option. These LON700 devices include LCD repeaters, synoptic chart drivers, supervised input and output boards, relay boards and open collector boards. The operation of the devices is easily programmed using the panel's powerful input/output logic engine.



Details

- Full system control
- Global zone and global panel support
- Zone LED text supported on the user interface
- RS485 network card included
- Full range of LON700 device support
- PC configurable
- I/O programming including Boolean functions
- On-line diagnostics
- EN54:2, EN54:4 and VdS approved
- 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	<240 mA @ 24 VDC (Alarm) 200 mA @ 24 VDC (Operating)
Auxiliary supply (24 VDC)	19 to 28 VDC @ 1 A (max.)
Auxiliary supply (5 VDC)	5 VDC (±0.1V) 75 mA (max.)

Zone

Maximum zone capacity	up to 256

Standby battery

Charging	Battery charger: 27.3 VDC at 20°C, 36 mV/°C
Batteries supported in housing	2 x 12 V (7Ah to 45 Ah)

Physical

Form factor	Large
Physical dimensions	810 x 445 x 120 mm (H x W x D)
Net weight	15 kg (no batteries)
Colour	Traffic white (RAL9016)
Mounting type	Surface mount

Environmental

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

Inputs and outputs

Relays	1 (2 A @ 24 VDC, 60 W)
Inputs (Opto Isolated)	4 (15 VAC/0 to 28 VDC)
Zone indicators per panel (max.)	64 (fire & fault)

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