



Product Data Sheet

FRG2064C-xx

2000 Series Global Zone Repeater, 16 zones expandable up to 64 zones

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.

Standard Features

- 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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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	
NA	
Inputs and outputs	
Relays	1 (2A @ 24 VDC - 60W)
Inputs (Opto Isolated)	4 (15 VAC/0 to 28 VDC)
Zone indicators per panel (max)	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

Ordering Information

Part No.	Description
FRG2064C-xx	2000 Series Global Zone Repeater, 16 zones expandable up to 64 zones
BUS2000	FP2000 Series Bus Termination Board
ESPA2000	FP1200/2000 Series ESPA Protocol Hardware Key
LON2000	LON700 Interface Driver for FP1200/2000 Series Fire Panels
NE2011	RS485 Network Extension Board
NE2051	Fibre Optic Network Extension Board
PR2000C	Internal Printer for 2000C Series Fire Panels and Repeaters
RB2016	Relay extension board for 1200/2000 series fire panels
SD2000	Sounder board for 1200/2000 series fire panels
VDS2000	VDS interface board for 1200/2000 series fire panels
ZE2016	FP2000 Series 16-Zone LED Extension with Fire and Fault LEDs per Zone
BS127N	Sealed Lead-Acid Battery - 12V 7.2Ah - VdS approved
BS131N	Sealed Lead-Acid Battery - 12V 18Ah - VdS approved
-xx	Replace by the applicable language code (check with your local GE Security equipment supplier)

