XFP 1-2 LOOP NETWORKABLE ANALOGUE ADDRESSABLE FIRE PANELS

Fully approved to EN54 parts 2 & 4 by the Loss Prevention Certification Board, the XFP Range of networkable analogue addressable fire alarm control panels offers high performance at a competitive price. Available in two different versions (a cost-effective single loop 16 zone panel supplied in a plastic enclosure and a robust 1 or 2 loop 32 zone metal panel), the range offers an array of user and installerfriendly features.



XFP Single Loop 16 Zone Panel

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XFP 1 or 2 Loop 32 Zone Panel

Key Features



- > Third-party certified to EN54 parts 2 and 4 by the LPCB.
- Full compatibility with the Context Plus range of smoke and heat detectors, call points, sounders and control modules.
- Three access levels 1 (general), 2 (authorised user) and 3 (engineer)
- Combined keypad/keyswitch entry to access levels 2 and 3
- The ability to interconnect up to eight XFP main panels (any variant) plus an additional four XFP repeater panels per main onto a two wire RS485 network.
- > Two independently programmable conventional sounder circuits.
- > Two programmable inputs.
- A fault output relay and three programmable relay outputs with voltage free changeover contacts.
- Three zone dependency functions (A, B & C to EN54-2 Clause 7.12)
- A day/night (building occupied/unoccupied) function.
- An investigation delay period function.
- Individual sensitivity settings for each device.
- A phased evacuation and delays to outputs facility (to EN54-2 Clause 7.11)
- An alarm counter that records the number of times the panel has been in an alarm state (to EN54-2 Clause 7.13).
- Powerful short circuit protected loop drivers, capable of supporting up to 40 loop powered 10mA sounders per loop.
- An integral EN54 switch mode PSU rated @ 185-260V a.c. 50/60Hz (3A on 32 zone panel, 1.4A on 16 zone panel).
- Adjustable contamination levels.
- Earth fault monitoring.
- Push button access code or keyswitch entry to Access Levels 2 and 3 (depending on model purchased).
- An easy to read, 80 character back-lit display.
- > 40 characters of custom text per device.
- > 999 event monitoring.
- Comprehensive test facilities (to EN54-2 Clause 10) and a wide range of maintenance and commissioning functions including auto-learn loops, monitor a point, test outputs, one man walk test and loop continuity test).
- An intuitive Windows based upload-download PC program that allows the system to be programmed quickly and easily.

WHY LPCB?



The LPCB stamp of approval is recognised worldwide and demonstrates that the XFP has been tested and certified as being compliant with EN54 parts 2 and 4 by the Loss Prevention Certification Board.

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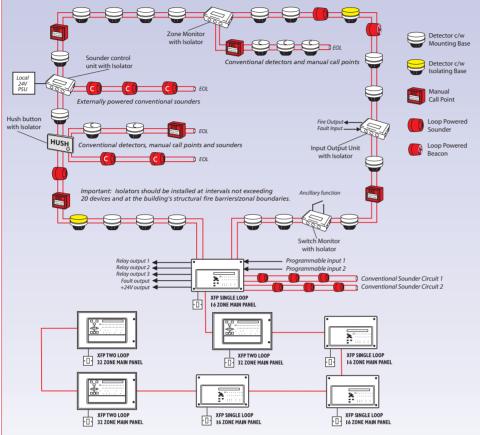
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XFP 1-2 LOOP NETWORKABLE ANALOGUE ADDRESSABLE FIRE PANELS



A TYPICAL XFP ANALOGUE ADDRESSABLE LOOP / XFP NETWORKING DETAILS

Below is a diagram of a typical Context Plus analogue addressable loop fitted with a selection of detectors, loop powered sounders, modules and isolators, all connected to an XFP single loop 16 zone panel. The diagram also illustrates how a series of XFP main panels can be networked using the range's powerful RS485 network.



This diagram is provided for illustration purposes only and you should always refer to the relevant XFP panel/device instructions as appropriate before installation. Note that the descriptions and availability of the devices shown may not be applicable to all manufacturer's protocols.

KEY FEATURES OF THE XFP'S NETWORK PROTOCOL

The XFP's network protocol allows the interconnection of up to eight XFP main panels (any mix) over a twowire RS485 network. Alternatively, the network can be used to connect up to eight XFP repeaters to one XFP main panel. It is not possible to mix XFP main panels and repeaters on the same network.

Key features of the XFP's network protocol when used for interconnecting XFP main panels:

- Allows the interconnection of up to eight XFP main panels (any mix of single loop 16 zone XFPs and 1 and 2 loop 32 zone XFPs)
- Up to 1 km of cable may be fitted to an XFP main panel network.
- Each networked XFP main panel can be programmed to accept Fires, Faults and Control actions such as Silence Alarm Sounders and Control Panel Reset from other main panels. They will also Accept Disablement commands for zones, sounders and output sets from other main panels.
- All panels monitor all other panels for network wiring faults.
- Fires on remote panels are displayed on local panels including the point description of the alarm's origin.
- Faults on remote panels are displayed on local panels including the point description of detectors.
- Cause and effects can be programmed into local panels dependent on which remote panel is in alarm.
- The network supports the programming of site data into remote panels from a PC at a local panel.
- Time and date is common to all panels throughout the network.
- All networked main panels require a network communication card

Key features of the XFP's network protocol when used for connecting XFP repeaters

- Allows the connection of up to eight XFP repeaters to one non-networked main panel. The XFP main panel must have a network communication card fitted.
- Up to 500m of cable may be fitted to an XFP repeater network.
- Each XFP repeater offers all the functions and controls of an XFP main panel.

XFP ORDER CODES

XFP SINGLE LOOP 16 ZONE FIRE PANELS - LPCB approved to EN54-2/4	XFP REPEATERS*	
Communication protocol = Apollo XP95/Discovery XFP501E/CON XFP Networkable single loop 16 zone panel	XFP510-16 XFP Networkable repeater panel, 16 zones Keypad/keyswitch entry, c/w psu, plastic enclosure	
Keypad/keyswitch entry, c/w 1.4A psu, plastic enclosure	XFP510-32 XFP Networkable repeater panel, 32 zones Keypad/keyswitch entry, c/w psu, metal enclosure	
XFP 1 LOOP 32 ZONE FIRE PANELS - LPCB approved to EN54-2/4 Communication protocol = Apollo XP95/Discovery	XFP BEZELS & ENCLOSURES	
XFP501/CON XFP Networkable one loop 32 zone panel	AFP385 Flush mount bezel (for XFP 32 zone main & repeater panels	
Keypad/keyswitch entry, c/w 3A psu, metal enclosure	BF359/3S Stainless steel glazed enclosure for XFP 32 zone panels, requires BF359/3CL or BF359/3SL lock kit	
XFP 2 LOOP 32 ZONE FIRE PANELS - LPCB approved to EN54-2/4	BF359/3CL Cam lock kit for BF359/3S enclosure	
Communication protocol = Apollo XP95/Discovery	BF359/3SL Electromagnetic solenoid lock kit for BF359/3S enclosure	
XFP502/CON XFP Networkable two loop 32 zone panel	Note XFP 16 zone panels can be semi-flush mounted without the need for a bezel	
Keypad/keyswitch entry, c/w 3A psu, metal enclosure	XFP PROGRAMMING SOFTWARE*	
XFP NETWORK COMMUNICATION CARDS*	XFP507 XFP Upload download software kit (all protocols) Windows 98, 2000, XP. Includes programming lead	
CFP761 XFP network communication card for XFP 16 zone main panels	SAF7070000 2m Programming lead ONLY	
AFP711 XFP network communication card for XFP 32 zone main panels		
(One network communication card is required per networked main panel. Note that repeater panels are supplied with a network communication card already fitted).	XFP PRINTER KITS*	
	AFP709 XFP off-board printer kit	

* Repeaters, bezels, network communication cards, programming software and printer kits are not included within the scope of the XFP's LPCB approval

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XFP 1-2 LOOP NETWORKABLE ANALOGUE ADDRESSABLE FIRE PANELS

P Technical Specifications	Single Loop 16 zone XFP Panels xfp501e/con	ONE OR TWO LOOP 32 ZONE XFP PANELS XFP501/CON
Power Supply Specification		XFP502/CON
Mains supply Internal power supply	230V a.c. ± 10% 50/60Hz. Max current 350mA 27V d.c Nominal	230V a.± 10% 50/60Hz. Max current 680mA 27V d.c Nominal
Total output current limited to	1.4A @ 230V a.c.	3A @ 230 V a.c.
Supply and battery charger monitored for failure	Yes	Yes
Batteries monitored for disconnection and failure Batteries protected against deep discharge	Yes Yes	Yes Yes
Max. battery size and type	3.2 Ahr VRLA	7.0 Ahr VRLA
Specified batteries for LPCB approved systems	2 x Yuasa NP3.2-12	2 x Yuasa NP7-12
Quiescent current drain (1 loop unloaded) Quiescent current drain (2 loop unloaded)	<pre>< 50mA not applicable</pre>	< 80mA <100mA
Earth fault monitoring	Yes (any conductor)	Yes (any conductor)
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Loop Driver Specification		
Femperature compensated charging Number of loop drivers	Yes 1	Yes 1 (XFP501/CON)
		2 (XFP502/CON)
ine monitored for open and short circuit faults	Yes	Yes
Onboard loop isolators with LED indication when active	Yes	Yes
Auto-polling from each loop end Max. loop output current	Yes 500mA (Voltage: 25V min, 34V max)	Yes 500mA (Voltage: 25V min, 34V max)
Max. number of addressable devices per loop	126	126
Max. number of loop powered sounders per loop @ 10mA	40	40
Number of programmable sounder groups	16	16
Conventional Sounder Circuit Specificatio		
Number of programmable output sets	16	16
Number of programmable circuits	2	2
End of line resistor value	6800 Ω 5% Tol. 0.25 W	6800 Ω 5% Tol. 0.25 W
Line monitored for open and short circuit faults	Yes	Yes
Outputs fused at	400mA	400mA
Auxiliary Outputs		
Max. number of sounders @ 20mA	40	80
Гуре		ngle pole changeover
Max switching current		A
Max switching voltage Relay 1		/ d.c n cause and effect
Relay 2		n cause and effect
	Programmed from cause and effect	
Relay 3		
Relay 3 Fault Auxiliary Inputs '24V' Aux Power Output Input 1	Active when no 19.5V min, 28V max. Max current 100mA	n cause and effect faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect.
Fault Auxiliary Inputs '24V' Aux Power Output Input 1 Fuses (to IEC - EN60127 Pt2)	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c.	faults are present . Protected by resettable overload circuit (non-latching). Programmable from cause and effect.
Fault Auxiliary Inputs /24V' Aux Power Output Input 1	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c.	faults are present
Fault Auxiliary Inputs '24V' Aux Power Output Input 1 Fuses (to IEC - EN60127 Pt2) Input 2 Mains Fuse	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c.	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect.
Fault Auxiliary Inputs 24V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c 1A HRC Ceramic 20mm	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm
Fault Fault Auxiliary Inputs '24V' Aux Power Output input 1 Fuses (to IEC - EN60127 Pt2) input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c 1A HRC Ceramic 20mm 1.6A F 20mm	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1A HRC Ceramic 20mm 3.15A F 20mm
Fault Auxiliary Inputs Auxiliary Inputs 224V' Aux Power Output Input 1 Fuses (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm Up (1); Down (2); A	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. 1A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu kccept (3); Abort (4)
Fault Auxiliary Inputs 24V' Aux Power Output 24V' Aux Power Output 254V' Aux Power Output 255 255 255 255 255 255 255 255 255 25	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1A HRC Ceramic 20mm 1.6A F 20mm Silence, Reset, Resound, Invest Up (1); Down (2); A Two lines x 40 cd	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. 1A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu kccept (3); Abort (4) haracters, backlit
Fault Auxiliary Inputs 224V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm Up (1); Down (2); A Two lines x 40 cl 16	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu kccept (3); Abort (4) haracters, backlit 32
Fault Auxiliary Inputs Auxiliary Inputs Auxiliary Power Output Input 1 Fuses (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm Up (1); Down (2); A Two lines x 40 cl 16	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. 1A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu kccept (3); Abort (4) haracters, backlit
Fault Auxiliary Inputs Auxiliary Inputs Auxiliary Power Output Input 1 Fuses (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm Silence, Reset, Resound, Invest Up (1); Down (2); A Two lines x 40 cl 16 General Fire, System Energised; Pre-Alarm; Remote	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm 4.1 3.15A F 20mm 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4
Fault Auxiliary Inputs 224V' Aux Power Output Input 1 Fuses (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm Up (1); Down (2); A Two lines x 40 cl 16 General Fire, System Energised; Pre-Alarm; Remote Test; Remote Output Disabled; Sile	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm gate; More Information; Menu Accept (3); Abort (4) haracters, backlit 32 e Output Activated; Menus Accessed; Disablement; enced; General Fault; System Fault;
Fault Auxiliary Inputs 224V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D)	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1A HRC Ceramic 20mm 1.6A F 20mm	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. 1A HRC Ceramic 20mm 3.15A F 20mm
Fault Auxiliary Inputs 224V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D)	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm Up (1); Down (2); A Two lines x 40 cl 16 General Fire, System Energised; Pre-Alarm; Remote Test; Remote Output Disabled; Sile	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm gate; More Information; Menu Accept (3); Abort (4) haracters, backlit 32 e Output Activated; Menus Accessed; Disablement; enced; General Fault; System Fault;
Fault Fault Auxiliary Inputs 224V' Aux Power Output Input 1 Fuses (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. dimensions of lid (W x H x D)	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1A HRC Ceramic 20mm 1.6A F 20mm	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. 1A HRC Ceramic 20mm 3.15A F 20mm
Fault Fault Auxiliary Inputs 224V' Aux Power Output Input 1 Fuses (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. dimensions of lid (W x H x D) Cabling Requirements	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c Connect to 0V to trigger. Max input voltage 27V d.c 1.6A F 20mm 1.6A F 20m	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm 3.15A F 20mm 3.15A F 20mm 3.15A F 20mm 4.10 X 250 X 80mm (metal) 4.39 X 274 X 7mm (metal)
Fault Fault Auxiliary Inputs 224V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Dther LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. weight (without batteries) Type of cable	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm Up (1); Down (2); A Two lines x 40 cl 16 General Fire, System Energised; Pre-Alarm; Remote 16 General Fire, System Energised; Pre-Alarm; Remote 16 380 x 235 x 77mm (plastic). Includes 'lip'. 380 x 235 x 16mm (plastic) 1.9Kg Fire resistant screened ca	faults are present . Protected by resettable overload circuit (non-latching). Programmable from cause and effect. 1 A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu (accept (3); Abort (4) 1 32 e Output Activated; Menus Accessed; Disablement; enced; General Fault; System Fault; 410 x 250 x 80mm (metal) 439 x 274 x 7mm (metal) 4.5kg able, minimum size 1mm ²
Fault Fault Auxiliary Inputs (24V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. dimensions of lid (W x H x D) Cabling Requirements Approx. weight (without batteries) Type of cable Max. cable length per loop	Active when no 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm Up (1); Down (2); A Two lines x 40 cl 16 General Fire, System Energised; Pre-Alarm; Remote 16 Salo x 235 x 77mm (plastic). Includes 'lip'. 380 x 235 x 16mm (plastic) 1.9Kg Fire resistant screened cc 11	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm 1 3.15A F 20mm 1 3.15A F 20mm 2 action of the second secon
Fault Fault Auxiliary Inputs 224V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. dimensions of lid (W x H x D) Cabling Requirements Max. cable length per loop Connector blocks	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c Connect to 0V to trigger. Max input voltage 27V d.c 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 1.6A General Fire, System Energised; Pre-Alarm; Remote 16 General Fire, System Energised; Pre-Alarm; Remote Test; Remote Output Disabled; Sile 380 x 235 x 16mm (plastic) 1.9Kg	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu (ccept (3); Abort (4) naracters, backlit 1 32 e Output Activated; Menus Accessed; Disablement; anced; General Fault; System Fault; 410 x 250 x 80mm (metal) 439 x 274 x 7mm (metal) 4.5kg able, minimum size 1mm ² cm table conductor size 1.5mm ²
Fault Fault Auxiliary Inputs 224V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. dimensions of lid (W x H x D) Cabling Requirements Max. cable length per loop Connector blocks	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c Connect to 0V to trigger. Max input voltage 27V d.c 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 1.6A General Fire, System Energised; Pre-Alarm; Remote 16 General Fire, System Energised; Pre-Alarm; Remote Test; Remote Output Disabled; Sile 380 x 235 x 16mm (plastic) 1.9Kg	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm 1 3.15A F 20mm 1 3.15A F 20mm 2 action of the second secon
Fault Fault Auxiliary Inputs 224V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Dther LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. dimensions of lid (W x H x D) Cabling Requirements Approx. weight (without batteries) Type of cable Max. cable length per loop Connector blocks Max. allowable loop impedance (each conductor)	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c Connect to 0V to trigger. Max input voltage 27V d.c 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 1.6A General Fire, System Energised; Pre-Alarm; Remote 16 General Fire, System Energised; Pre-Alarm; Remote Test; Remote Output Disabled; Sile 380 x 235 x 16mm (plastic) 1.9Kg	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu (ccept (3); Abort (4) naracters, backlit 1 32 e Output Activated; Menus Accessed; Disablement; anced; General Fault; System Fault; 410 x 250 x 80mm (metal) 439 x 274 x 7mm (metal) 4.5kg able, minimum size 1mm ² cm table conductor size 1.5mm ²
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Fault Fault Auxiliary Inputs '24V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. dimensions of lid (W x H x D) Cabling Requirements Approx. weight (without batteries) Type of cable Max. cable length per loop Connector blocks Max. allowable loop impedance (each conductor) Network Specification	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c. 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm General Fire, Reset, Resound, Invest Up (1); Down (2); A Two lines x 40 cl 16 General Fire, System Energised; Pre-Alarm; Remote 16 General Fire, System Energised; Pre-Alarm; Remote Test; Remote Output Disabled; Sile 380 x 235 x 77mm (plastic). Includes 'lip'. 380 x 235 x 16mm (plastic) 1.9Kg 1.9Kg 1.9Kg 2.2 Via CFP761 network driver card fitted at	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. (non-latching). Programmable from cause and effect. 1 1A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu kccept (3); Abort (4) naracters, backlit 32 e Output Activated; Menus Accessed; Disablement; enced; General Fault; System Fault; 410 x 250 x 80mm (metal) 439 x 274 x 7mm (metal) 4.5kg able, minimum size 1mm ² 4.5kg able conductor size 1.5mm ² 7µF Via AFP711 network driver card fitted at
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Fault Auxiliary Inputs '24V' Aux Power Output Input 1 FUSES (to IEC - EN60127 Pt2) Input 2 Mains Fuse Panel Indicators and Controls Battery Fuse - limits the current drawn from the battery Control buttons Event scrolling and menu access buttons Liquid Crystal Display Number of Zonal LED indicators Other LED indicators Physical Dimensions Approx. dimensions of back box (W x H x D) Approx. dimensions of back box (W x H x D) Approx. dimensions of back box (W x H x D) Cabling Requirements Approx. weight (without batteries) Type of cable Max. cable length per loop Connector blocks Max. allowable loop impedance (each conductor) Network Specification Max. no. of main panels per network Max. no. of repeaters per non-networked main panel PC/Printer Interface Max. cable length per network PC connection	Active when no 1 19.5V min, 28V max. Max current 100mA Connect to 0V to trigger. Max input voltage 27V d.c. Connect to 0V to trigger. Max input voltage 27V d.c 1A HRC Ceramic 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm Up (1); Down (2); A Up (1); Down (2); A Two lines x 40 cl 16 General Fire, System Energised; Pre-Alarm; Remote 16 General Fire, System Energised; Pre-Alarm; Remote Test; Remote Output Disabled; Sile 380 x 235 x 77mm (plastic). Includes 'lip'. 380 x 235 x 16mm (plastic) 1.9Kg 1.9Kg 1.9Kg 1.9Kg 2.2 Via CFP761 network driver card fitted at main panel 8 1km (main panel network); 500m (repeater networ Via main panel RS232 molex connector (lead su ation when the environmental conditions outside then	faults are present Protected by resettable overload circuit (non-latching). Programmable from cause and effect. 1 A HRC Ceramic 20mm 3.15A F 20mm igate; More Information; Menu (ccept (3); Abort (4) naracters, backlit 32 e Output Activated; Menus Accessed; Disablement; enced; General Fault; System Fault; 410 x 250 x 80mm (metal) 439 x 274 x 7mm (metal) 439 x 274 x 7mm (metal) 4.5kg able, minimum size 1mm ² (m table conductor size 1.5mm ²) 0 Ω /µF Via AFP711 network driver card fitted at main panel 8 8 k) 1km (main panel network); 500m (repeater networpplied in XFP507 upload/download software kit)

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