Zerio Plus

Zerio Plus Fire Control Panel

EDA-Z5008 / Z5020

EN54 Compliant

240 Fully Addressable Devices

Sophisticated Cause and Effects

In-built HMO options

Plugable Memory Module for Back-up

USB Keyboard to program

Configuration Reporting via USB Memory Stick

Intuitive Menu Structure

5 Access Levels

Compatible with full range of Zerio Plus Devices

Simple to Set-up

DESCRIPTION

The Zerio Plus is a compact radio fire alarm system designed for use in any type of commercial or residential premises. With the culmination of 30 years experience of fire alarm system design and manufacture, the Zerio Plus has replaced the well established Millennium and Zerio series of equipment combining the advantages and features of both systems.

The installer does not require expensive additional equipment to configure the complete system. Once installed, the control panel is used to aid system set-up, program devices and to commission the system.

The automatic set-up and learn modes simplify configuration decisions, reducing the possibility of errors. The servicing/addition/removal of devices does not require extra programming equipment. Complex cause and effects can be programmed into the panel using the front keypad or by connecting a standard USB keyboard. Alternatively by programming a USB memory fob with a PC and then downloading the information into the panel. Internal configuration and operating data can be downloaded on to the same memory fob and then analysed on a PC. Configuration is also stored on a removable memory card for backup.

The panel is capable of warning of any devices approaching their pre-programmed alarm condition and should any of the devices gradually become contaminated, a warning condition is generated.

If devices need to be installed beyond the range of the control panel, either a radio booster, a wired transceiver or even another control panel can be added, to relay information around the system. Up to16 of these can be added to the system, which operate as intelligent signal repeaters. Should larger systems be required, they can be linked allowing for 960 devices with 60 panels.

TECHNICAL INFORMATION

Fully addressable for 240 devices in up to 20 zones
High visibility 4 line liquid crystal display with LED backlight
Separate LED indication for zone of alarm
Programmed via - Panel 12 button keypad
- PC interface via USB memory stick
- USB QWERTY keyboard
Built in power supply and charger for 12V
72 hr standby as standard (see over)
Programmable Fire / Fault Relay
Programmable Sounder Circuits
2x Hardwired Programmable Monitored Inputs
Compact enclosure permitting siting in restricted spaces
Internal memory can be backed up to PC or proprietary memory card
Programmable Function Key
Sophisticated configuration settings allow complete user flexibility
Complies with all applicable requirements of BS5839 and EN54

SOFTWARE FEATURES

Secure protocol with complex error checking
255 event log memory
Date and Time displayed on Screen
Automatic Summer Time adjustment GMT/SMT
Flash backed memory to prevent loss of operating data
Non volatile storage of set-up information
5 level access code to assist in system security
Intelligent learn modes to assist in commissioning the system
Both sounder tones and sounder zones are uniquely programmable
Programmable test modes
Program firmware upgradeable via PC / USB memory stick
Pre-alarm and head dirty warnings

ORDER CODES

EDA-Z5008	8 Zone Zerio Plus Control Panel
EDA-Z5020	20 Zone Zerio Plus Control Panel

REF:Z5008_20V100.CDR April 2011

Electro Detectors

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CONTROLS

Simplicity of operation is a principal design feature. There are five levels of access via a password entry system for the following : (i) Basic user. (ii) Advanced user. (iii) Service engineer. (iv) Commissioning engineer (v) Advanced commissioning engineer. The menu system is a very simple to use structure using navigation keys to select the appropriate option. Programming of the system can be performed using the panel keypad, a USB keyboard connected to the panel or a USB memory stick programmed by a PC.

INDICATORS

All necessary information is provided by a 4 line liquid crystal display which illuminates when a key is pressed or an event has occurred. Additional indication is provided by individual red 'Zones in alarm' LED's, 5 yellow fault indicators, 4 yellow status indicators and a green supply indicator.

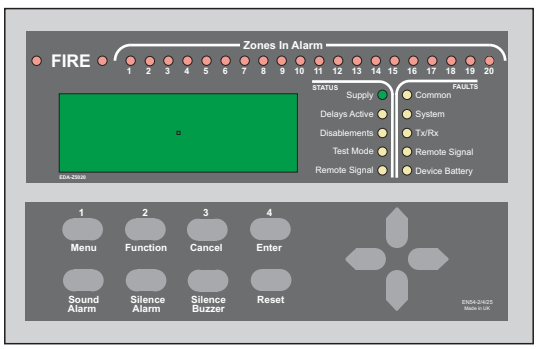
SPECIFICATION

Maximum Number of Zones		EDA-Z5008 8 EDA-Z5020 20
Maximum Number of Devices (Devices include Detectors, Call Points, Transmitters Sounders and I/O units)		240 (Note: for larger premises upto four systems can be linked together)
Max no of radio control / booster units (Includes all control, repeater and booster panels, wired transceiver)		15 (per system)
Dimensions (mm) W x H x D		275 x 220 x 85mm
Weight (not including battery)		4Kg
Alarm Indicators		Twin flashing red LEDs Red individual zone indication Fire message on LCD with 60 scrolling characters of location text
Fault Indicators		Amber LEDs and LCD providing details and location of fault with 60 scrolling characters of location text
Event Log Storage		255 events maximum
Supply:	Mains :	230V 50Hz 0.3A max
	Battery :	1x12V 7.0 Ah sealed lead acid giving 72 hour standby 1 x12V 3.0Ah sealed lead acid giving 48 hour standby (assumes no external load applied)

Battery Consumption

Mode	Current Drawn
Normal	60mA
Mains Fail	150mA for the first 15 minutes and then 45mA
Alarm Condition	180mA
Fault Condition	150mA

Monitored Inputs	2 x wired monitored circuit (4k7 ohm end of line resistor monitored for open and short circuit, 470 ohm alarm load)
No of Relays (Programmable)	2
Options	Fire -1A Changeover Contacts Fault -1A Changeover Fail Safe Contacts 12V Sounder Circuit (500mA)
Operating Frequency	868MHz
Modulation	NBFM
Output Power (ERP)	10mW
Operational Temperature	0°C to +60°C
Applicable Standards and Approvals:	
European Fire Alarm	EN54 Part 2, 4 and 25
British Standards	BS 5839 Part 1
R&TTE	EN300 220
EMC Standards	EN301 489-3 EN50130-4 EN60950:2001



Display and Control Layout

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