

**En54 Certified**

**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 or a wired transceiver can be added, to relay information around the system. Up to 7 boosters and 7 wired transceivers 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

## 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 panels	1
Max no of radio control panels	7
Max no of radio control panels	7

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)

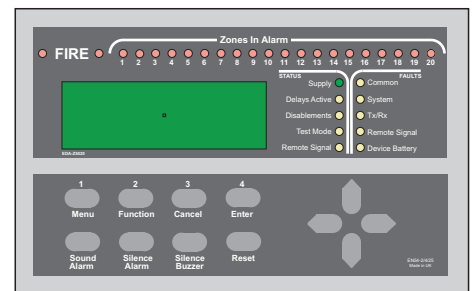
Battery Consumption	Mode	Current Drawn
	Normal	60mA
	Mains Fail	150mA for the first 15 minutes and then 45mA
	Alarm Condition	180mA
	Fault Condition	150mA

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) 4  
Options Fire Routing - (12V 500mA)  
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



Display and Control Layout

In the pursuance of a policy of continued product improvement Electro-Detectors Ltd. reserves the right to change the design and specification without prior notice. All details were correct at time of printing.

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