

- EN54 Part 25
- 2 Monitored Inputs
- Set of clean NO/NC contacts
- Fully Addressable
- Up to 7 Year Battery Life
- Small Attractive Compact Design
- Compatible with Zerio Plus Panels
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DESCRIPTION

The Zerio Plus I/O unit from Electro-Detectors represents a new benchmark in terms of what the marketplace can expect from a radio I/O unit. This single unit has a whole host of modes of operation giving huge flexibility for what the unit can be used for. The unit is the latest development from a company which has over 30 years of designing and manufacturing radio fire alarm systems.

Based on the highly successful Millennium and Zerio ranges, the addressable unit contains a powerful processor, utilising surface mount technology to achieve the ultimate in performance and reliability.

Long operational life and stable operation has been successfully achieved by using sophisticated protocols and the most technologically advanced components.

A unique serial number and the length of time in service is stored in its internal memory. All data is retained in this non-volatile memory which is not corrupted or erased even should power be removed. A battery life of up to 7 years and continual monitoring minimise maintenance but sophisticated self testing ensure confidence in the units operation.

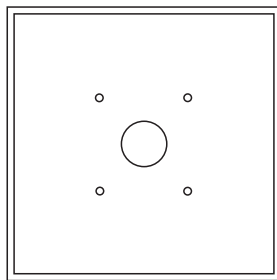
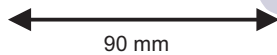
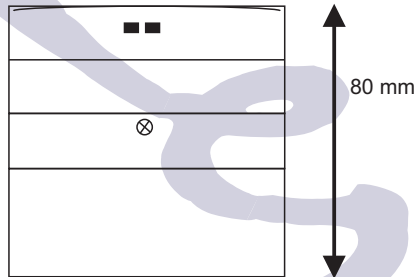
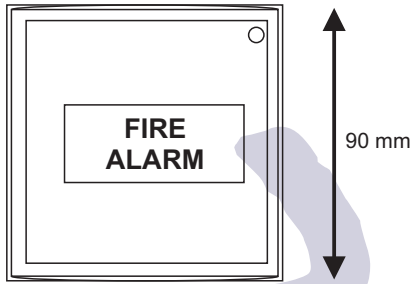
The Zerio Plus I/O unit is fully compliant with the relevant sections of BS5839 and EN54 including Part 25. The unit is supplied complete with transmitter, mounting box and battery and just requires two screws to mount the unit to the wall.

SPECIFICATION

Power source	Dual lithium cells
Battery life	Up to 7 years
Battery Pack	1 x EDA-Q690
Temperature range	0 to +60°C
Humidity	0 to 95% (no condensation)
Construction	
- Casing	Injection Moulded U.V. Stabilised ABS Plastic
- Electronics	Surface Mount Technology
Options	Remote Antenna Different Colours Available 2 Input Option

ORDER CODES

EDA-T6080	Radio I/O Unit
EDA-T6085	Radio I/O Unit with SMA connector for external antenna
EDA-Q690	Spare Battery Pack (1 required)



Base Outline

Connections

INPUTS	In1+
	In1-
	In2+
	In2-
MOSFET	B+
	NO
	C
	EOL
RELAY	C
	NO
	NC
POWER	6-40V+
	0v

Inputs: Each unit has 2 monitored inputs. The 2nd input is only enabled if specified when ordered. It uses a 4K7 EOL and a 470 Ohm fire load is required to alarm the device

Relay: This will operate in an alarm condition. In order to operate the relay power is required.

Power: A supply of 6-40V DC is required if the relay is being used to switch equipment.

Mosfet: This can be used as a switch in alarm. The NO/C connection will either short or go open circuit in alarm depending on programming It uses a bridge rectifier and can be used to switch both AC and DC signals up to 40V 1A a without the need for the power supply. For further information please refer to our technical department. EOL will normal be shorted but gives you an option of inserting an alarm load. It would be usual to connect an end of line across NO and C.

Links x 2: If using signals 5V and less for the MosFet input these links should be fitted. This reduces the voltage drop in the circuit but disables operation of AC switching.

TECHNICAL INFORMATION

- Conforms to appropriate parts of BS5445, BS5839 and EN54
- Powered by 2 independent AA lithium cells
- Low current technology with a battery life of up to 7 years
- Surface mount technology giving maximum reliability
- Transmitter frequency 868 Mhz
- Transmission type Narrow Band FM
- Channels 13 Available
- Electronic serial number
- 65000 system numbers
- Short transmission time
- Complex error checking
- Internal monitoring and fault diagnostic reporting
- Fault and alarm count

GENERAL INFORMATION

- Weight (Including Base) 200g (approx.)
- Dimensions (Including Base)
 - Width 90mm
 - Depth 62mm
- Indications
 - Alarm High intensity clear LED
 - Fault Red Solid
 - Red Flashing
- Audible Warning Sounds in alarm and test mode
- Fixing Holes 4 x 4mm (No. 6 screws)
- Finish Red Polished
- Colours optional

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. The quoted battery life is a theoretical calculation based on device performance under normal operating conditions in conjunction with the specification provided by the battery manufacturer. The figures provided are intended as a guide and therefore cannot be assumed to be a guarantee of the actual life achieved. All details were correct at time of printing.

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