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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Radio I/O Unit

Radio - Devices

Part No. EDA-T6080

www.illuminoignis.co.uk

Product Details

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 nonvolatile 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.



Key Features

- 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

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)

Technical Specifications

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	

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

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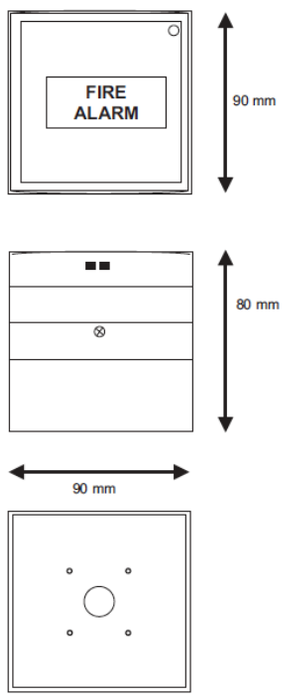
Technical Information

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

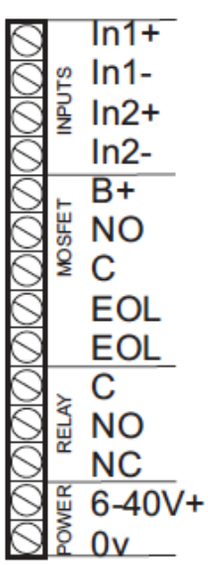
Transmitter frequency	868 Mhz
Transmission type	Narrow Band FM
Channels	13 Available

Electronic serial number
65000 system numbers
Short transmission time
Complex error checking
Internal monitoring and fault diagnostic reporting
Fault and alarm count

Dimensions



Connections



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.

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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