Zerio Plus

Radio I/O Unit

EDA-T6080

- EN54 Part 25
- 2 Monitored Inputs
- Set of clean NO/NC contacts
- Fully Addressable
- 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 3 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	2- 3 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)

REF:T6080V102.1.CDR May 2017

Electro Detectors

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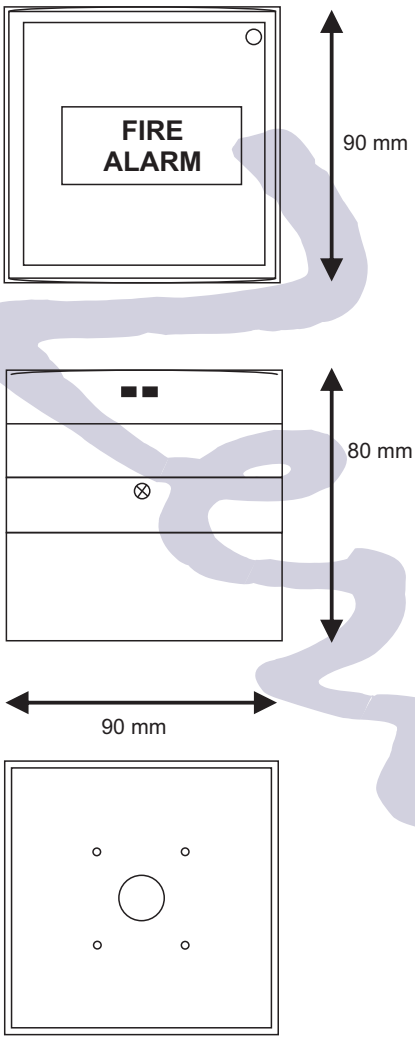


Base Outline

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 3 years
Surface mount technology giving maximum reliability

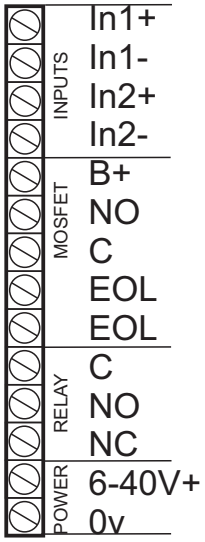
Transmitter frequency	868 Mhz
Transmission type	Narrow Band FM
Channels	13 Available

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	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

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.

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