

Zerio Plus

Radio I/O Unit

EDA-T6080

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



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.

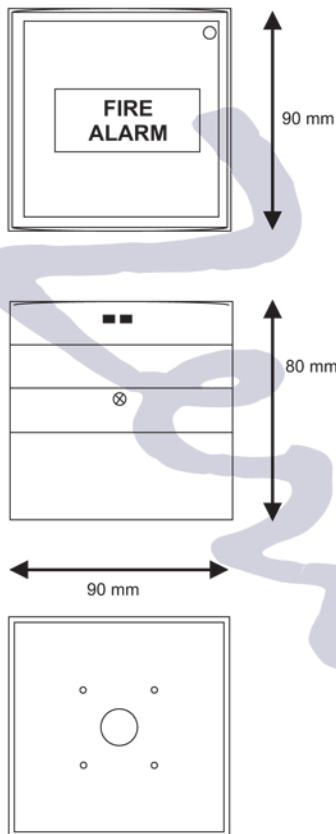
The Zerio Plus I/O unit is fully compliant with the relevant sections of BS5839 and EN54 including Part 25. The unit is supplied complete with transmitter, mounting box and battery and just requires two screws to mount the unit to the wall.

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

ORDER CODES

EDA-T6000	Radio I/O Unit
EDA-T6005	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	5-40V+
	0v

Inputs: Each unit has 2 inputs. 4K7 EOL and a 470Ohm fire load is required

Relay: This will operate in an alarm condition. If a power supply is available then the relay can be run in a failsafe mode.

Power: This is not required but if power is available then this can be used to operate the relay in a failsafe mode.

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 as failsafe without the need for power. 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
 Failsafe operation option

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