Radio Fire Alarm Control Panel
EDA-M200

- **20 Zones**
- **999 Devices**
- **Advanced Single Frequency Protocol**
- **72 Hour Standby**
- **Compact Design**
- **Site Programmable**
- **Interface with the complete range of EDA products**

DESCRIPTION

Our established Millennium Radio Fire Alarm System has now been complemented with the introduction of the EDA-M200 Control Panel. This panel is a less sophisticated version of the EDA-M100, still incorporating the same technology and ease of use as its elder brother.

The 20 zone compact panel is designed around a 16 bit processor and features surface mount technology. The panel benefits from well designed and clearly labelled operational features and is ideal for the smaller installation. Versatile software means that the user friendly MILLENNIUM will interface readily with most other hardwired systems. Configuration of the panel is performed using the PC interface and appropriate software. The backlit LCD provides excellent visual quality. As with all Electro-Detectors' products, build quality is stringently controlled at every stage, ensuring complete reliability of the panel during operation.

The main panel operates as either a stand alone system, or through a network of up to 4 radio repeater panels, although radio repeater panels can be substituted for extra control panels. Electro-Detectors has designed a repeater panel specifically for the purpose, retaining much of the functionality of the main panel. The radio repeater panel is even smaller than the main panel, indicating SUPPLY NORMAL and FAULT. It is designed to be sited in an inconspicuous position, requiring only a mains supply.

TECHNICAL INFORMATION

16 bit processor operating at 16 MHz
Surface mount technology gives maximum reliability
Highly visible 4 line LED backlit liquid crystal display
Fully addressable for 999 devices
Devices assigned to any one of 20 zones
Programming via PC interface
Built in power supply and charger for 12V 7Ah sealed lead acid battery
72 hr standby as standard
Attractive compact enclosure permitting siting in restricted space
Accepts either in-built helical or remote dipole antennas
Robust metal enclosure

SOFTWARE FEATURES

Automatic configuration and set up facility
Secure protocol with complex error checking
300 event log memory
Non volatile storage of set-up information
3 level access code to assist in system security
Intelligent learn modes to assist in commissioning
Programmable sounder tones
Sounder areas are uniquely programmable
Programmable test modes

Electro Detectors

Optional Features

Expansion card to increase output capability to 4 sounder circuits and 4 auxiliary relays all individually programmable.

Controls

As with all EDA systems, simplicity of operation is a principal design feature. Four primary control buttons are provided, NAMELY EVACUATE, ALERT, SILENCE and RESET, which are accessed via the door key. Further access to device isolation, test routines and service modes is restricted by the use of passwords through an easy to use menu system.
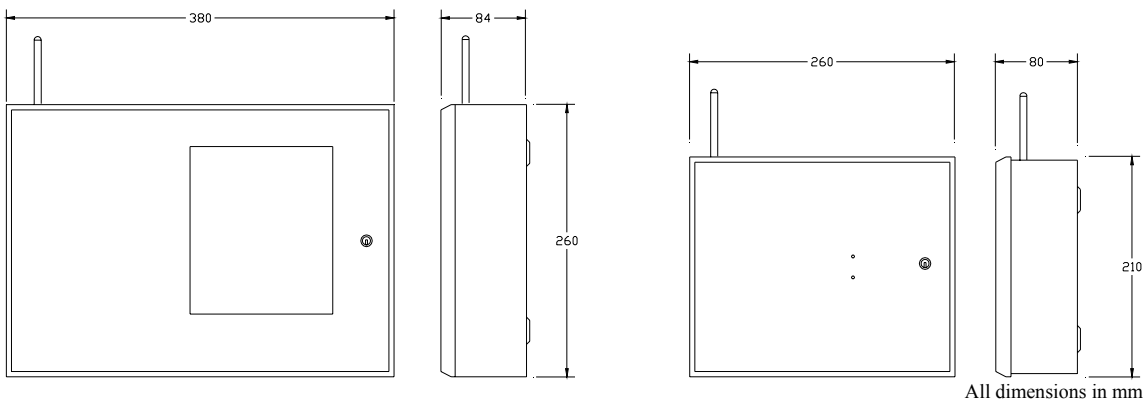
Indicators

All necessary information is provided by a 4 line liquid crystal display, which illuminates when an event has occurred. This indicates, for each device in fire or fault, the device number, device type and zone number (if in alarm) and scrolls for multiple events. Each zone in alarm is continually displayed on the top line of the LCD. Additional information is provided by LEDs indicating SYSTEM NORMAL, MAINS SUPPLY, COMMON FAULT and FUNCTION DISABLED.

Specification

Maximum Number of Zones	20		
Maximum Number of Devices	999		
Devices includes Detectors, Call Points, Transmitters, Sounders and Actuators			
Maximum Number Panels Per System	5		
Wired Sounder Circuits	24V 0.5A		
Output - Selectable	Continuous / pulsed		
Alarm Indicators	Twin Flashing Red LED Addressable Fire Message on LCD indicating unit number, device type and zone number		
Fault Indicators	Amber LED Addressable Fault Message on LCD indicating unit number and fault type		
Event Log Storage	300 Events Maximum		
Supply	:Mains	230V 50Hz 75VA Max	
	:Battery	12V 7.2 Ah Sealed Lead Acid giving 72 Hour Standby	
	:External DC	24V 3.5A Max	

Outputs	Control Panel	
	- Sounder Circuits	2 x 24V 0.5A
	- Auxiliary	2 x 1A Changeover contacts
	Repeater Panel	2 x programmable outputs either sounder circuits or clean contacts
Inputs		Wired call point monitored circuit
Operating Frequency		173.2250 Mhz
Modulation		NBFM
Output Power (ERP)		10mW
Operational Temperature		-10 to +60 0C

Applicable Standards and Approvals

European Fire Alarm	EN54 – 2 and 4
British Standards	BS 5839 Part 1:2002
R&TTE	EN300 220
EMC Standard	EN301 489-3 EN50130-4
Electrical Safety	EN60950:2001

Outline Drawing

All dimensions in mm

Ordering Information

Description	Part Number
Standard Panel	EDA-M200
Radio Repeater Panel	EDA-M350