MULTI-FUNCTIONAL- TYPE ED 700A

ELECTRONIC DEVICES LTD
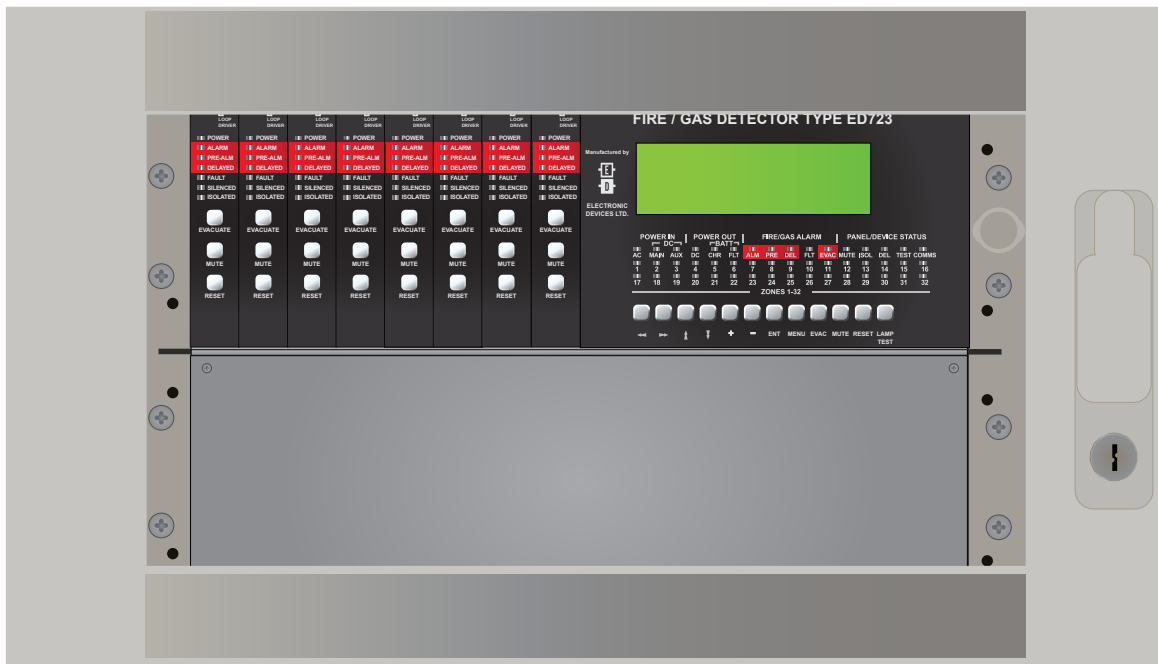

The latest ED700A system provides, in one enclosure, all necessary facilities for Gas and Level Detection. Fail safe operation., Gas and Level modules continue to function after major system failure. Loop communication or microprocessor failure still allow any Discovery or E.D Gas detector to provide alarm indication. The ED700A panel can accommodate up to eight loop modules of ED726 Gas and/or Level Detection giving a total of 80 addressable gas sensors.

Completely isolated loops means zero cross talk and increased immunity to radio frequency interference whilst maintaining continued operation with multiple earth faults. Additionally the very long cable run, due to the very low loop driver impedance, allows economy besides reaching far off sensors without additional control units.
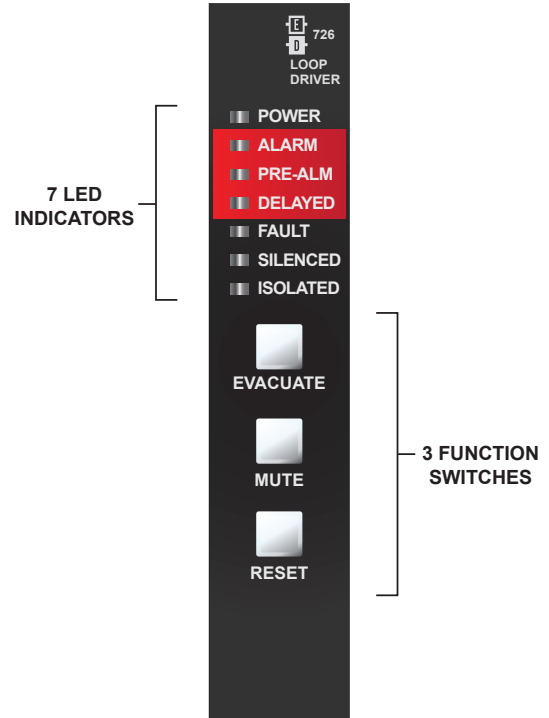
FEATURES

- 1 - 8 Loops , 10 gas sensors per loop
- Apollo protocol
- Gas and level detection integration, seperate control panel not required
- Fail safe operation
- 8 line x 40 character backlit display
- 32 zonal indications
- Built in Batteries and Charger
- Surface and flush mounting cabinets available
- Large 4mm square field terminals
- Walk through test mode

ED726 GAS LOOP DRIVER FEATURES

- 10 Gas Detectors per ED726.
- High current 300mA output.
- Automatic reversal of loop connection allows a bypass of short or open circuit faults.
- The ED726 operate fully in stand alone mode and will continue to operate in the event of a major system failure.
- 7 lamps indicate: Power, Fire, Pre-alarm, Delayed, Fault, Silenced and Isolated.
- 3 Tactile push buttons allow;- Evacuate, Mute, Reset (To give continued operation in the event of display module failure or removal).

LEDs and switches provide backup operation of key Display module functions and are not required for normal operation.
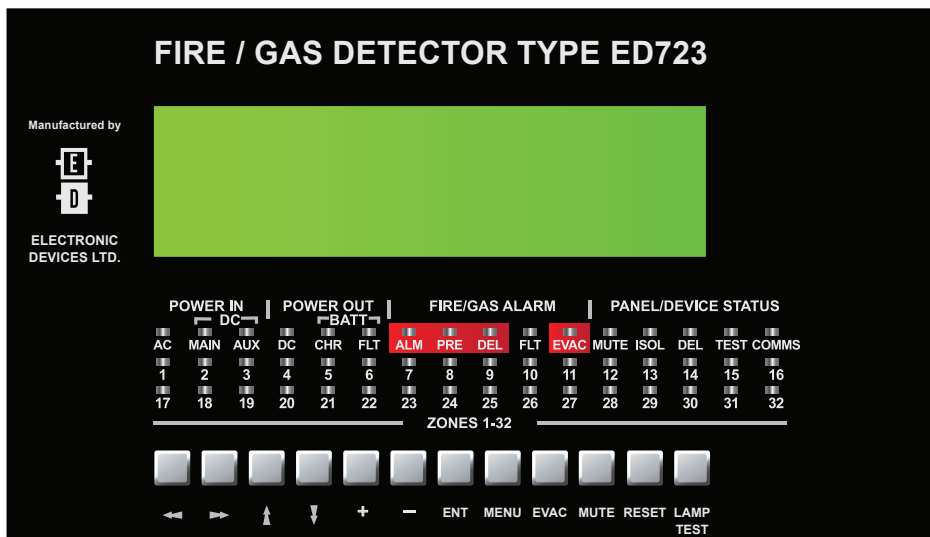

ED723 DISPLAY & REPEATER MODULE

The ED723 Display module provides the main user interface Operational controls are available to authorised personnel only. Multi-level access is provided and password protected, additionally the cabinet is provided with a lock and removable key.

Commissioning tools such as the Walk through test, Sounder / Beacon test, Test by Zone and Test by Loop are also provided by the ED723. ED723 Repeater units, supplied in separate weatherproof enclosures can be remotely connected to each system and have identical functionality although remotely connected.

Main Features are:-

- 8 line 40 character Alphanumeric Backlit Display
- Main menu showing time, date, all current alarms and location, number of pre-alarms,
- number of faults and battery status.
- Submenus including setup, history, live detector values, gas detection, supply voltages,
- all current faults and all current pre-alarms.
- 48 Indicators; 32 Zones, AC, Main DC, Aux DC, Battery DC, Battery charge, Battery fault,
- Fire, Pre-alarm, Delayed alarm, Fault, Evacuate, Mute, Isolate, Delay on, Test, and
- Communication status.
- 12 Tactile push buttons for menu navigation, Evacuation, Mute, Reset and Lamp Test
- Internal Audio Alarm

ED723 DISPLAY & REPEATER MODULE LAYOUT

ED725 INPUT / OUTPUTMODULE

The ED725 Input / Output module provides the facilities required for most applications, eliminating the need to purchase additional add-on modules or interface units.

ALL Inputs and Output circuitry are fault monitored.

Designed with ease of installation in mind the ED725 is fitted with large terminals capable of accepting up to 4mm square conductors. All field connections, internal power supply and batteries can be easily serviced via the internal hinged panel, allowing the ED700 System to be flush mounted and still maintain access to internal parts and wiring.

- Loop input / output terminals.
- 1 x RS232 communications port for computer connection.
- 1 x RS485 Full Duplex communications port.
- 1 x RJ45 Ethernet connector for networking and monitoring, (future optional upgrade).
- All relays are Voltage free change over contacts. All are rated at 2.5A @ 30V d.c. non inductive.
- 1 x Fire Alarm Relay, fail safe hardware driven.
- 1 x Delayed Fire Alarm Relay.
- 1 x Pre Alarm Relay.
- 1 x Fault Alarm Relay contacts.
- 6 x Auxilary Alarm Relay contacts, 3 Relays each with 2 sets of Contacts. Configurable using
- PC application.
- 3 x Monitored Sounder Circuits rated 1A ; 24V dc. Sounder circuit 1 is fail safe hardware
- driven. Sounder circuits 2 and 3 are software driven and configurable.
- 2 x 24VDC Monitored Fused Outputs.
- 1 x Auxilary DC Monitored Input, 24V dc +/- 25%..
- 1 x Battery Input with automatic charging and disconnection before battery damage can occur.
- 1 x Main DC Monitored Input, normally used with the internal Power Supply, 24V dc +/- 25%.
- 1 x Main AC Monitored Input.
- 1 x Internal Buzzer (comms failure).