

UNO-EX

Fire Detection & Extinguishing Panel



**EN54-2
EN54-4
EN-12094-1**

COMPLIANT

The **Uno-EX** conventional fire detection and extinguishing panel offers a creatively designed and aesthetically pleasing solution to satisfy the increasing global demand for dependable fire suppression systems. The **Uno-EX** is designed and manufactured to comply with EN54-2, EN54-4 and EN12094-1 standards.

Operation is intuitive, offering simple control and one-button disablement facilities, as well as sophisticated test routines, enabling the system operator to perform regular testing of the fire alarm system.

There are two logs, one which stores all activations while the other store faults and other events together with a time and date stamp. The logs can be uploaded into ICE as an excel file for record keeping and to facilitate searching.

Key Features

- 3 detection zones with one extinguishing area.
- Single zone, dual or triple zone co-incidence programmable
- Manual / Manual +Auto operation
- Emergency Manual push button onboard
- Maximum 32 devices in each conventional zone.
- Active or Resistive End of Line monitoring
- Multi-Language support
- Easy installation - ready to operate out of the box. Basic programming using the keypad and easy to read LCD display.
- Pre-programmed sounder outputs for first stage and second stage alarm
- Pre-programmed relays to follow Alarm and extinguishing operations
- -Alarm Released, Manual, System Inoperative, Hold switch Active, Abort active
- General fault relay (NC)
- 3 Auxiliary Supply Outputs. One of which is momentarily interrupted by reset
- 2 programmable inputs for door monitoring
- Reset and sounder silence prevention as per EN12094-1
- EN54-2, EN54-4 and EN12094-1 compliant



TECHNICAL SPECIFICATIONS

SUPPLY SPECIFICATION

PRIMARY SUPPLY VOLTAGE - IN	110 to 240 V AC
PRIMARY SUPPLY VOLTAGE - OUT	28.5 V DC nominal
PRIMARY SUPPLY CURRENT - OUT	3.0 A @ 28.5 V DC nominal (max.)
SECONDARY SUPPLY VOLTAGE	21.0 min. - 27.2 max. V DC - BAT charger o/p 28 V DC
SECONDARY SUPPLY CURRENT OUTPUT	1.0 Amp Maximum @ 20°C
INTERNAL BATTERY CAPACITY – MAXIMUM	2 x 12 V x 7 Ah Sealed VRLA Lead Acid Batteries
MAINS FUSE	4 A – 250 V Slow Blow – 20 mm
BATTERY FUSE	1.6 Amp Resettable
AUXILIARY SUPPLY OUTPUTS	2

CONVENTIONAL ZONE SPECIFICATION

NUMBER OF CONVENTIONAL ZONES	3
ZONE CURRENT- QUIESCENT/ ALARM	4 mA / 60 mA - Maximum
MAX. CABLE RESISTANCE / CAPACITANCE	40 Ohms/ 0.470 uF
END OF LINE MONITORING	Active EOL - Capacitor OR Resistive EOL
BS-5839 DETECTOR REMOVAL COMPLIANT	YES (provided diodes are fitted to detector base)
DEVICES PER ZONE	32 Max. – EN54-2
ALARM RESISTANCE VALUE	270 -1000 Ohms

OUTPUTS SPECIFICATION

AUXILIARY RELAY OUTPUTS	2 Fire (COM-NC-NO), 1 Fault (NC) Programmable
RELAY CONTACT RATING	50 V DC - 1 Amp resistive loads
SOUNDER CIRCUIT SPECIFICATION	3 x 0.3A max. current / circuit - fully monitored
ALARM VOLTAGE / END OF LINE RESISTOR	27.5 V DC Nominal /10 K Ohms -1/4 Watt
SOLENOID OUTPUT	1 x 1A max. current / circuit – fully monitored

PROGRAMMABLE INPUTS SPECIFICATION

INPUT 1	Non-Latching - Voltage free contact (N/C or NO)
INPUT 2	Non-Latching - Voltage free contact (N/C or NO)

MECHANICAL AND OPERATING SPECIFICATIONS

DIMENSIONS	ABS - 385 (w) x 330 (h) x 95 (d) mm METAL – 420 (w) x 420 (h) x 80 (d) mm
MATERIAL	ABS - GREY RAL 7042 METAL
WEIGHT	ABS: 2.2 Kg without batteries; 7 Kg with batteries (2x12V/7Ah) Metal: 6Kg
OPERATING TEMPERATURE	-10°C to 40°C
HUMIDITY	Max 95% RH Non-Condensing

ORDER CODE

UNO-EX	Conventional Fire Detection and Extinguishing Panel Standard is ABS. Specify – M for Metal housing
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