

DS-200



FIRE ALARM & EXTINGUISHING CONTROL PANEL



Conventional fire detection control panel with extinguishing functionality. It incorporates two supervised fire zones inputs, Release Abort input, Manual release input, and Low pressure input, along with one siren output and one extinguisher output, that makes it ideal for fire detection and automatic extinguishing in small areas. Also it includes alarm and fault relays that enable it to be integrated with other alarm and control system.

FEATURES

- Complies to EN 54-2 EN, 54-4, and EN12094-1 with a verification of conformity certificate No. ICR/VC/HYT25092 issued by ICR Co. NB 2703.
- Compatible with all two wires convectional initiating devices (detectors and manual call stations)
- Compatible with all 24V DC notification devices.
- Featured alphanumeric 20x4 Characters display shows the details of system status, along with seven indication lamps built on the front panel, that makes easy to understand for any level of system operators.
- There are dual color Indication lamp for each zone to indicate it's status directly on the front panel like Fire and Fault.
- The front panel has direct access buttons to essential control functions like alarm silence, panel silence, test, faults, and system reset, providing a quick and convenient control experience for operators.
- The panel automatically reset to normal condition after fault restoration, that minimize operator reactions and noise time.
- Simple menu with password-protection of level 2, to prevent access of unauthorized users.
- Compatible with all types of firefighting actuators with time delay.
- Wiring of essential inputs and outputs are supervised by EOL resistor (Zones , siren, and extinguisher), to be reliable and safe.
- High power Switching power supply EMC certified.
- 24 VDC auxiliary power limited output for peripheral devices.
- Panel automatic shutdown feature when batteries voltage drops under the normal and safe operating voltage.
- Mains power and batteries are fully supervised with special indication lamps and messages.
- All circuits are fully protected from short circuit including inputs, outputs and battery terminal.
- The panel is IP30 protection level built in steel oven painted housing.

DS-200



FIRE ALARM & EXTINGUISHING CONTROL PANEL

Technical Specifications

Parameter	Specification
Main power Voltage	230 Vac (+%10 /-%15), 50 Hz (±%5)
Output Voltage and current	29 VDC ± %2 , 900mA max
Battery	2 x 12V, 7Ah dry type leak-proof
Charging Voltage and current	28.5 VDC (25 °C), 500mA
Supervised Siren Outputs	1x 24Vdc, 300mA max, EOL 2.2K Ohm
General Fault Relay	1 x NC/NO dry contact, 30V, 2A
Alarm Relay	1 x NC/NO dry contact, 30V, 2A
Auxiliary Output (AUX)	1 x 24VDC, 300mA max.
Number of conventional Zones	2 , two wire-zones
Max devices per zone	15 devices per zone, max 54mA per zone
Max Cable loop Resistance per Zone	40 ohm (maximum)
End Of Line Resistance of Zones	2.2k ohm, %5, 1/2W
Extinguisher output	1, supervised with 2.2K Ohm and 1A Diode.
Release, Abort , and Low pressure Inputs	non-supervised
Temperature and Humidity	50°C , 95% RH (maximum)
Housing Material	IP30, 2mm metal sheet, RAL7035 Texture
Dimensions (H x W x D)	35*32*12 cm
Weight (Without Battery)	6.2 Kg

Connection Diagram

