

DESCRIPTION

This conventional fire control panel forms a part of comprehensive range of conventional fire detection equipment's. The panel utilizes very latest microcontroller and surface mount technologies to provide a compact but versatile unit.

The VISION-D 2 Zone conventional fire alarm control panel provides two zones of fire detection and indication circuits. The unit has been designed to offer high standards of performance, reliability and quality.

The Control PCB contains the entire electronics component and a switch mode power supply allowing an 'electronics free' back box to be supplied for 'first fix'.



The molded cover feature custom designed 'buttons', which provide a positive tactile action. The housing can accommodate stand-by batteries capable of providing up to 48 hours of operation in the event of mains failure.

The VISION-D 2 Zone provides a cost-effective solution to fire detection in most medium size installations.

The back box and electronics can be separated to enable the back box to be fitted and terminated without the electronics in situ. Once the cables are dressed, the key hole mounting chassis containing the electronics can be easily fitted.

This unit features a zone isolate facility, simple servicing and maintenance. In addition, the common fire (transfer), sounders and fault outputs may also be easily isolated.

This is a Conventional VISION-D Series 2 Zone Fire Alarm Control Panel which monitors its 2 zones status and displays the same to its main console via LED's, LCD. In case of event (fire, fault, short) it will indicate the respective zone on its console and also perform the required function like activating the hooters of the respective zone. Each zone can have maximum 20 Conventional Detector

FEATURES

- Based on Microcontroller.
- Operating temperature relative humidity.
- LED indications of each zone.
- LCD display – 16 X 2 characters.
- P.A. system interfacing.
- Compatible with all conventional types of detectors.
- 1 Hooter Relay for common fire.

- 1 “AHU” dry contact relay output.
- 1 “Fault” dry contact relay output.
- Surfaces mount Technology.
- Guard ring to protect EMI/EMC.
- 230V AC, 50 Hz and 24V DC operating Voltage.
- End of line Resistance = 3K3 ohm.
- Rugged Body construction.
- CRCA sheet, Powder Coated Housing.
- Inside battery charger circuit.
- Inside battery (2 X 12V, 2.2AH) Space.
- Inherently power limited.
- Easy installation and operation.
- System Protection against Short Circuit & Over Load Condition.
- Switches for RESET, SILENCE, & LAMP TEST.
- fully confirms IS: 2189

ELECTRICAL SPECIFICATIONS:

- | | |
|--|--|
| <ul style="list-style-type: none"> ▪ Operating Voltage ▪ Voltage Tolerance ▪ Max PSU Rating (Amps total, comprising) <ul style="list-style-type: none"> ○ Battery Charger ○ Internal and external Loads ▪ Standby Batteries | <p>230 Volt 50 Hz AC
+10%, -15%</p> <p>800 Milliamps
1 Amps and load of the system
24 V sealed lead acid batteries
Minimum Capacity: 2X12 V, 2.2Ah</p> |
| <ul style="list-style-type: none"> ▪ Power Supply <ul style="list-style-type: none"> ○ Input(s) ○ Output (s) ▪ Zones Capacity ▪ Zones ▪ Internal Sounder ▪ Sounder Outputs ▪ Auxiliary Relays ▪ Indicators | <p>220V AC(from mains to SMPS)
24V DC</p> <p>Any Conventional Detector (20 nos. in 1 zone)
2 Zones with individual LED indicators
Intermittent buzzer indicates a fault or fire condition
1 common relay
Dry Contacts (C, NO, NC)
24 VDC
Reset
LED type general panel Status indicators
(Main ON, Power Fault, Silence, Common Fire, Common Fault, Battery Mode, Battery Charging, Low Battery)</p> |

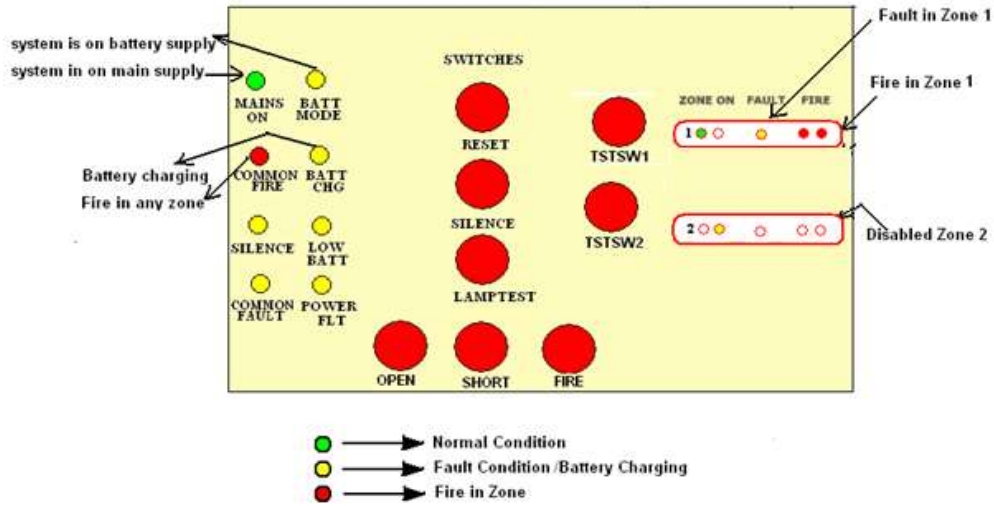
ENVIRONMENTAL SPECIFICATIONS:

- | | |
|--|---|
| <p>Operation temperature</p> <p>Humidity</p> | <p>0°C To + 60°C (32°F to 120°F)</p> <p>5% To 95% R.H. Non-Condensing</p> |
|--|---|

MECHANICAL INFORMATION:

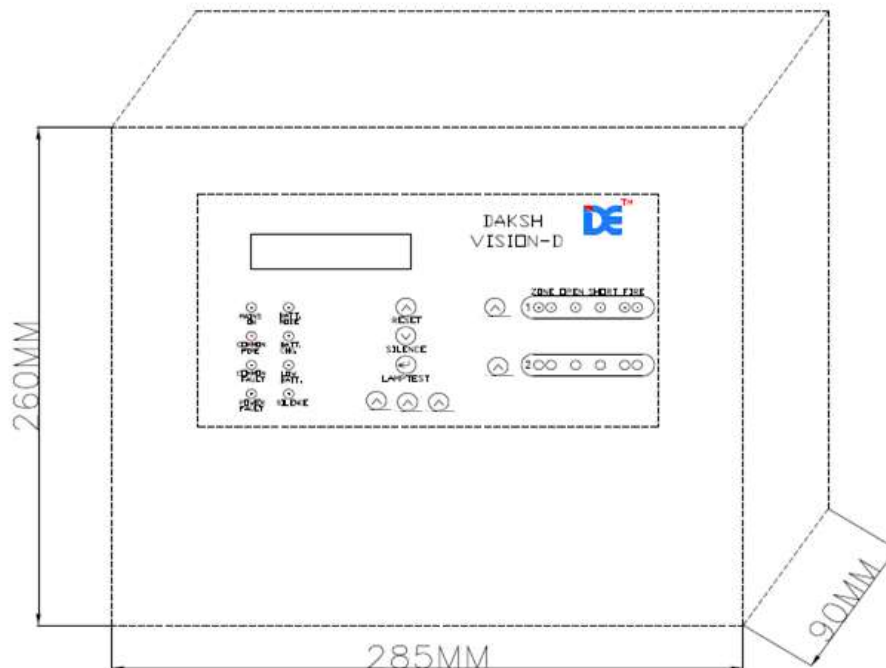
Dimension 285X260X90mm
 Weight Approx 400g (W/o Battery)
 Colour Cream white or as per customer requirement
 Housing CRC Sheet, Power Coating
 Mounting Holes 4 Holes at the back side of Panel Box
 Knock Out 20mm(0.8") knock-outs in top of cabinet

OUTSIDE INCLOSURE:



INSTALLATION DIMENSIONAL DRAWING:

Conventional Fire Alarm Control Panel (VISION-D) 2 zone





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Note: It is essential to ensure that only known compatible components are used in a fire detection system. If in doubt, always consult the fire control panel supplier/manufacturer.