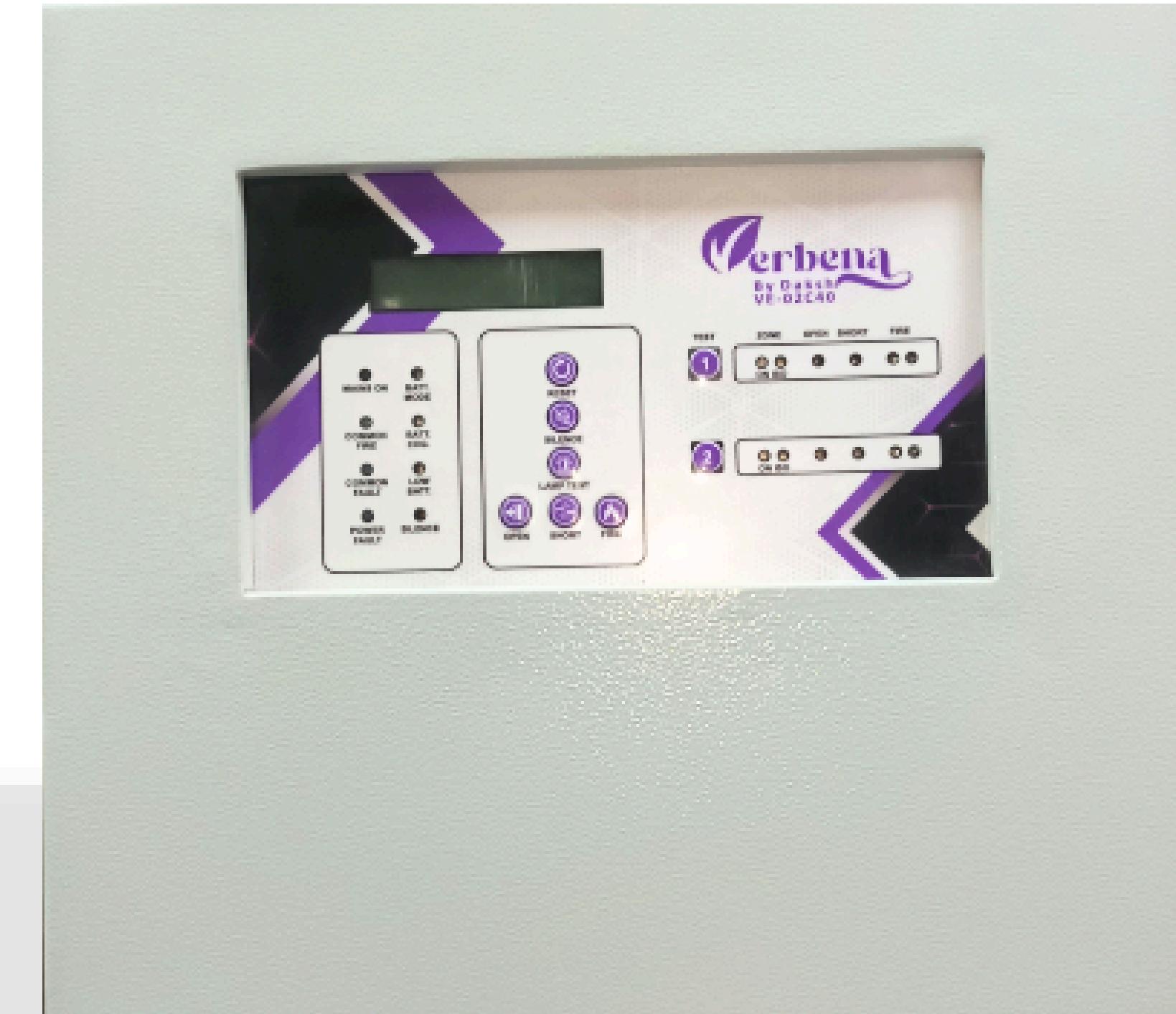




OVERVIEW

VE-02C40 2 Zone Conventional fire alarm panel offers technically advanced range of functions while remaining easy to install, program and operate 2 Zone Fire Alarm Control Panel which monitors its 2 Zone status and displays the same to its main console via LED's, LCD.



In case of an events of fire and fault, 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 a maximum of 20 Conventional Detectors. Panels are featured to integrate with auto dialler and third-party systems with potential free contact.

Designed with Robust and Reliability in mind. Built to last and maintain durable function over, Using high-quality materials and components. Reliable Performance consistently to the safety of the promises in which the system is installed.

FEATURES

- Microcontroller based Design
- Zone wise LED indications
- Sounder Circuit Common/Zone Wise
- Zone wise Evacuation facility
- Zone Isolation facility
- LCD display - 16 X 2 characters
- Surfaces mount technology
- Guard ring to protect EMI/EMC
- Rugged Body construction
- CRCA sheet, Powder Coated Housing
- Inbuilt Battery Charger
- Switches for Reset, Silence & LampTest, Open, Short and Fire
- Fully confirms IS: 2189
- Inherently power limited
- Intermittent buzzer indicates a fault or fire condition
- Auxiliary power output for ancillary equipment
- Easy to install and operate
- System Protection against Short Circuit & Over Load Condition
- Compatible with all types of Conventional detector
- Battery (2Nos. of 12V, 7AH) maximum Space

ELECTRICAL SPECIFICATIONS

Parameter	Specification
Operating Voltage	100VAC to 230VAC 50/60 Hz ($\pm 15\%$) (from mains to SMPS)
Voltage Tolerance	+10%, -15%
Max PSU Rating	800mA total
Battery Charger	2A (varies by load of system)
Standby Battery	24V (2×12V 7Ah) sealed lead-acid
Power Supply Input	100VAC to 230VAC 50/60 Hz ($\pm 15\%$)
SMPS Output	24V DC, 2.5A
Sounder Output	24VDC 1amp
Fire Relay Output	3× Fire Relay (C/NO/NC) Dry Contact
Auxiliary Output	24V DC, 2A
EOL Resistor	4.7k ohm

ENVIRONMENTAL SPECIFICATIONS

Parameter	Details
Operating Temperature	0°C to + 60°C (32°F to 120°F)
Humidity	5% To 95% R.H. non-condensing

MECHANICAL SPECIFICATION

Parameter	Details
Dimensions	310 × 285 × 92 mm
Weight	Approx. 3.4kg (without 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 (25mm)	4
IP Rating	IP50



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APPROVALS

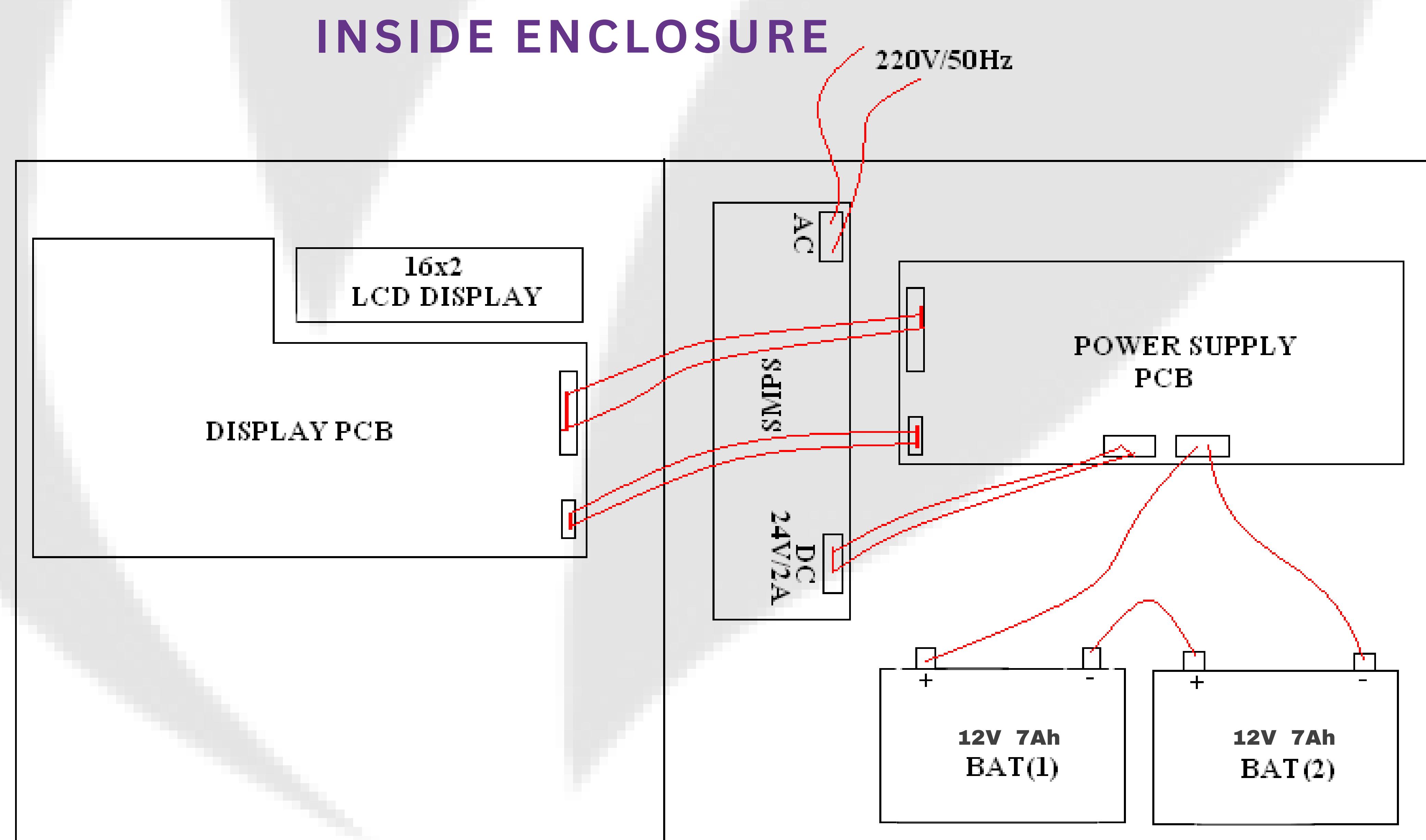
- CE Certified

PANEL INDICATIONS (LED)

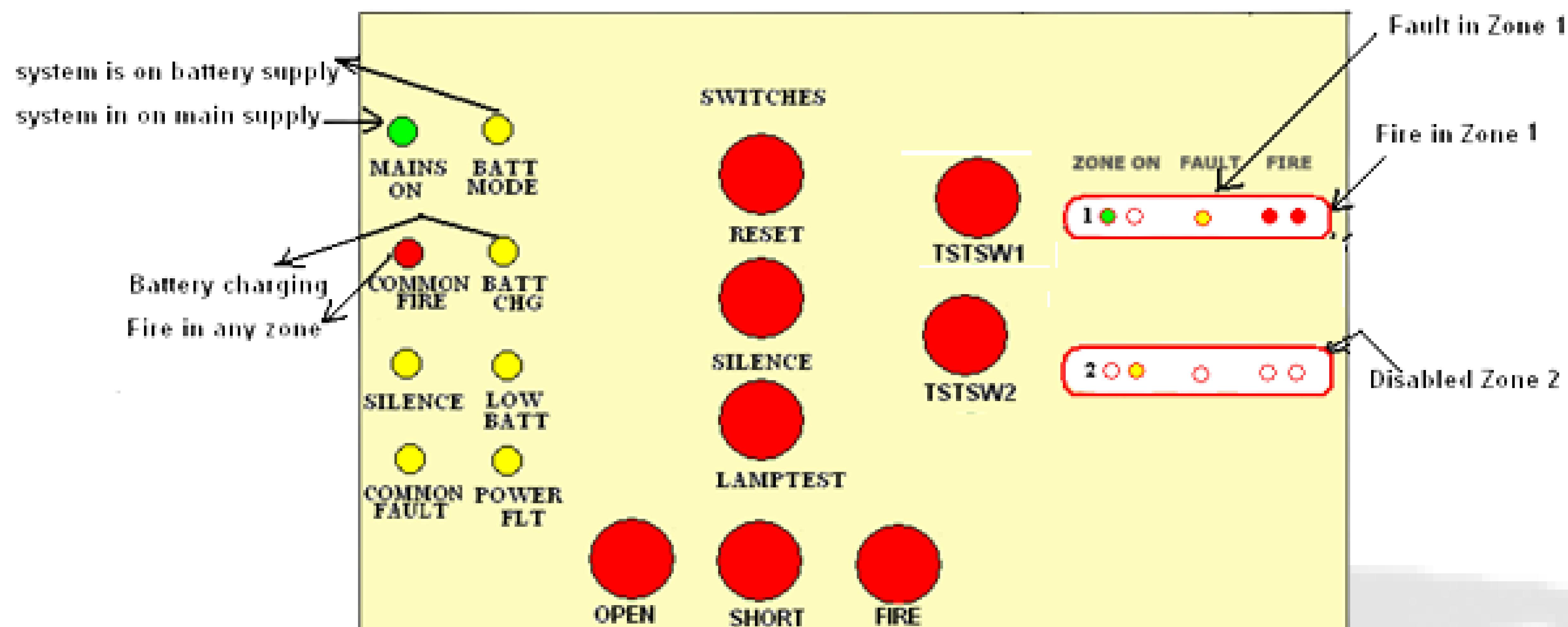
- Mains ON
- Power Fault
- Silence
- Common Fire
- Common Fault
- Battery Mode
- Battery Charging
- Low Battery

SCHEMATIC DIAGRAM

Conventional Fire Alarm Control Panel (VE-02C40) 2 Zone



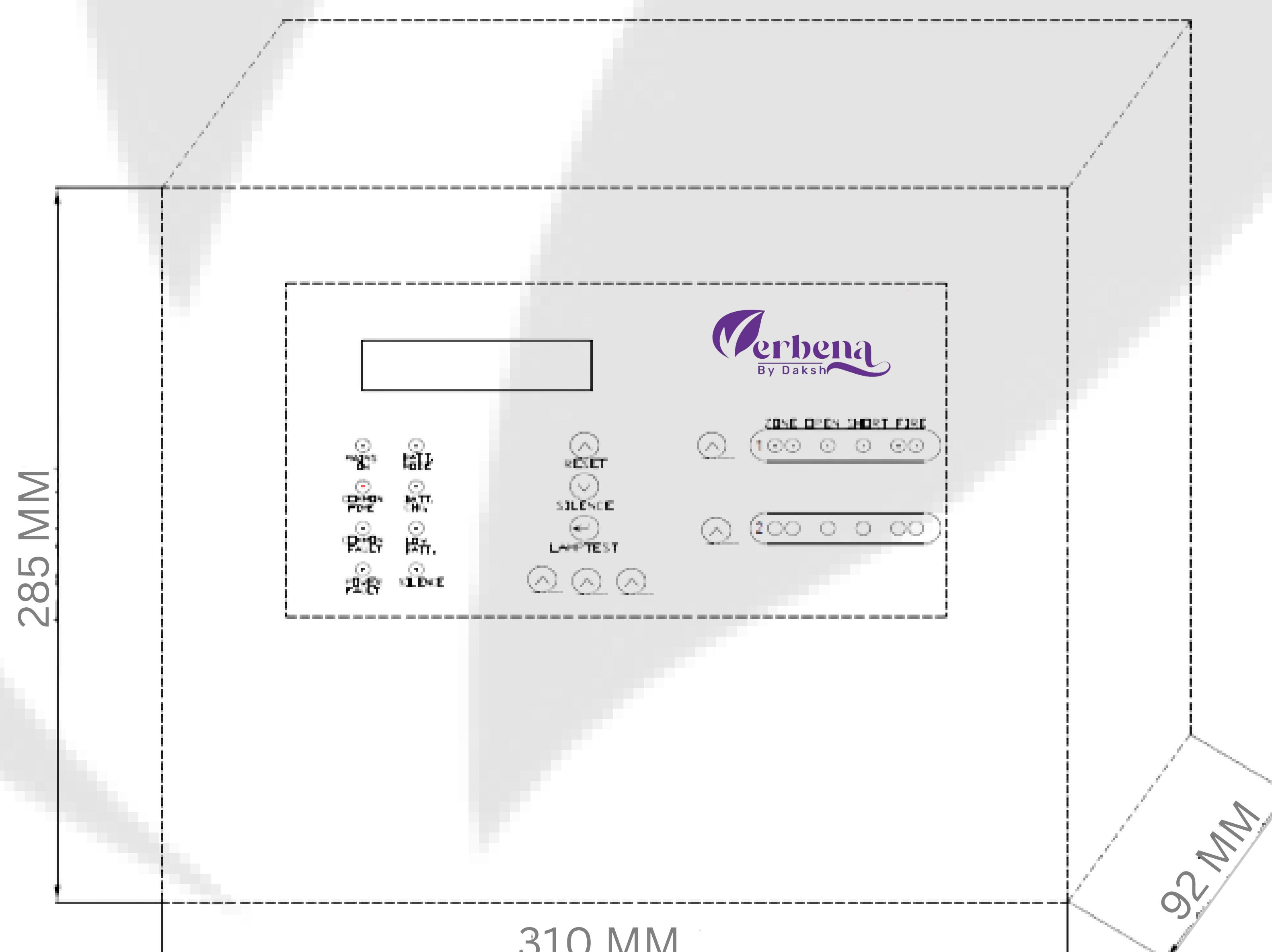
OUTSIDE ENCLOSURE



- → Normal Condition
- → Fault Condition Battery Charging
- → Fire in Zone

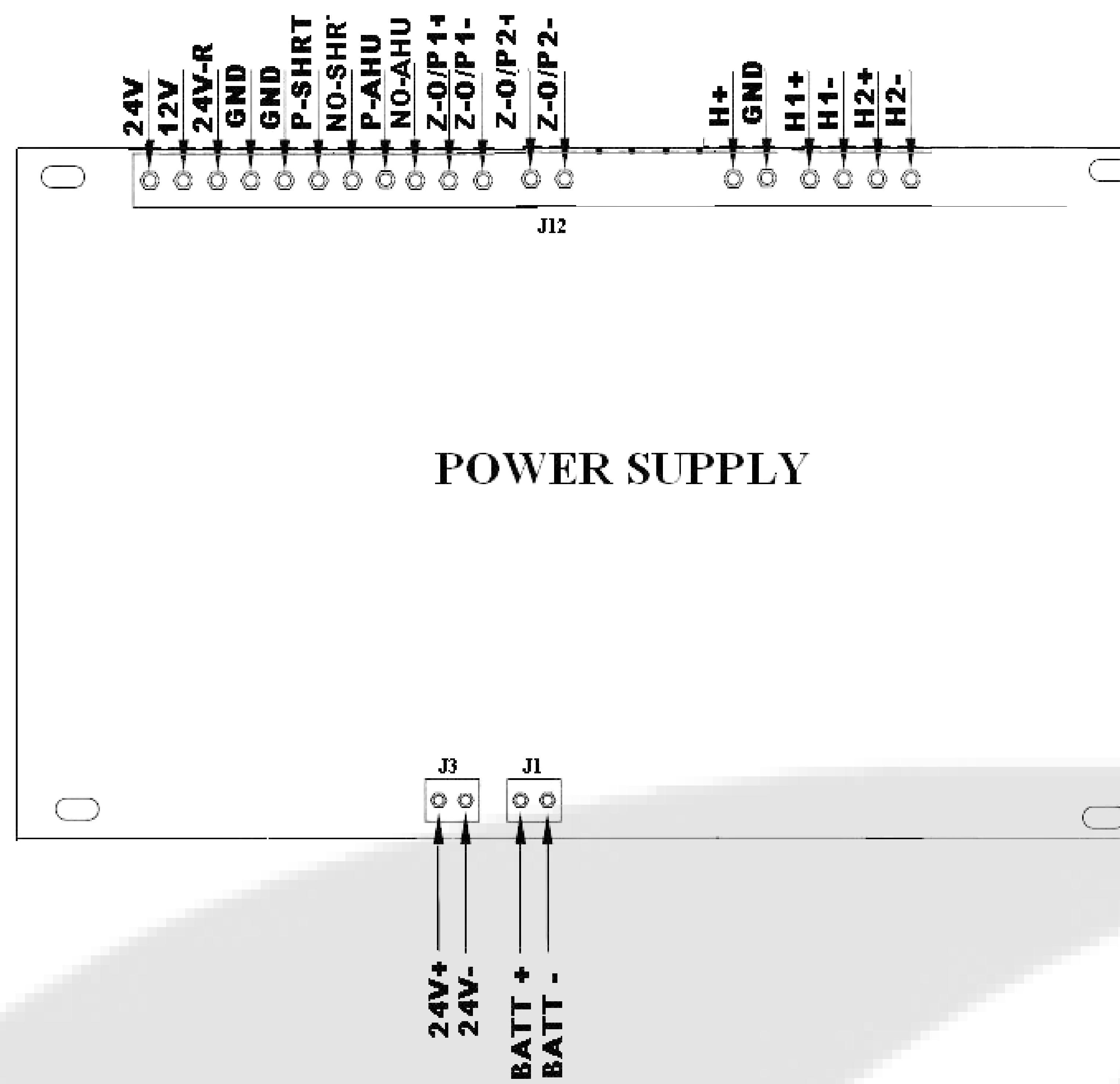
INSTALLATION DIMENSIONAL DRAWING

Conventional Fire Alarm Control Panel (VE-02C40) 2 Zone



WIRING DIAGRAMS

Conventional Fire Alarm Control Panel (VE-02C40) 2 Zone



TERMINAL DETAILS

ZONE & SOUNDER CONNECTIONS

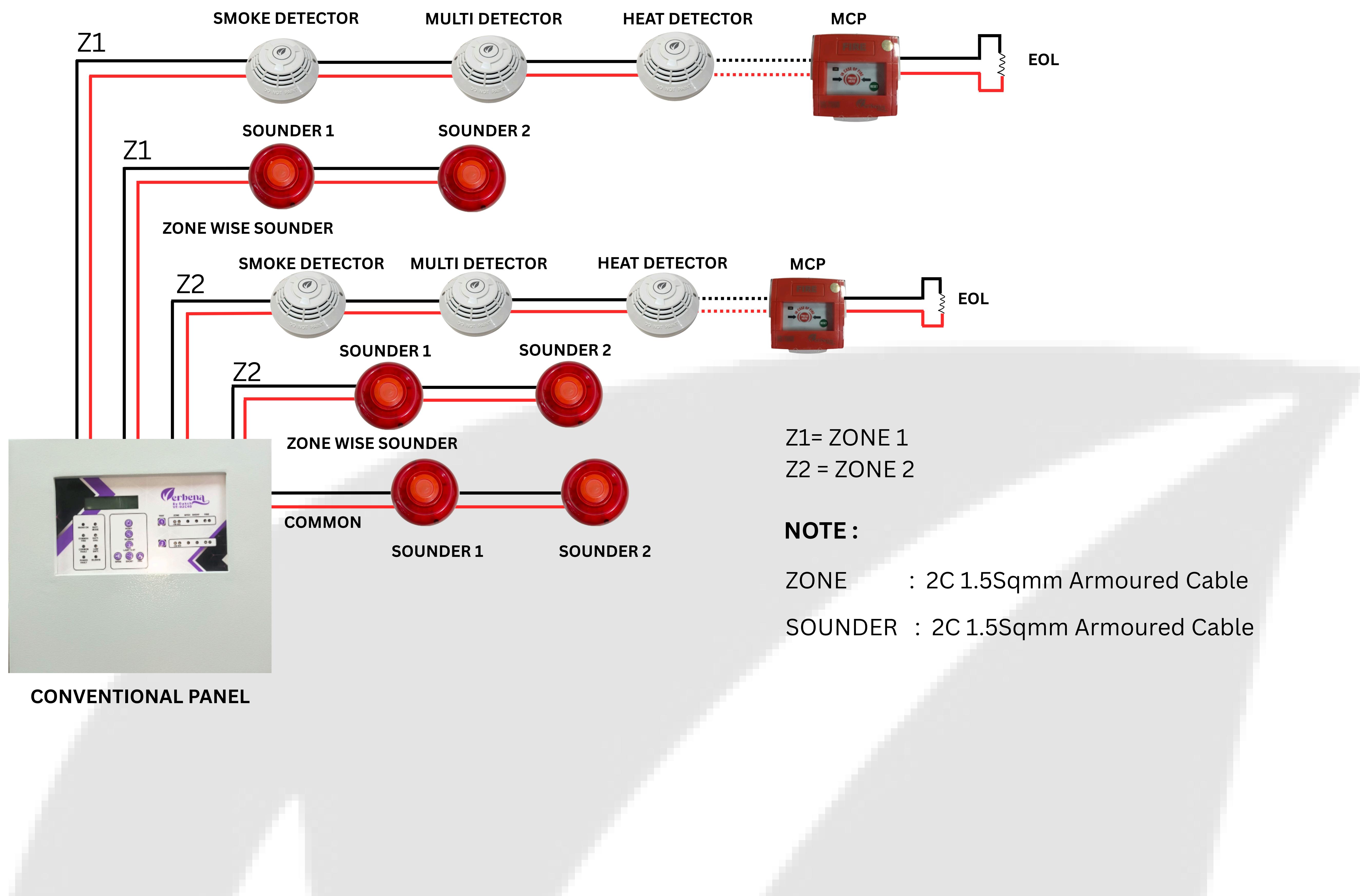
- Zone 1: Z-O/P1+ / Z-O/P1-
- Zone 2: Z-O/P2+ / Z-O/P2-
- Common Sounder: H(+) / GND
- Zone Sounders: H1+/H1-, H2+/H2-

POWER SUPPLY & BATTERY

- 24V+ & 24V-is supplied to J3 connector from SMPS
- BATT+ & BATT-is supplied to J1 connector from battery
- 24V gives 24-volt output
- 12V gives 12-volt output
- 24v- R gives resettable output supply
- P-AHU is Pole of AHU Relay
- NO-AHU Normally Open of AHU Relay
- P-SHRT is pole of Relay
- NO-SHRT is Normally Open of FAULT Relay

WIRING SCHEMATICS

Conventional Fire Alarm Control Panel (VE-02C40) 2 Zone



DISCLAIMER

This document provides a general overview only and is not intended for use during installation. All information should be reviewed with a qualified fire-safety professional before selecting or applying the product. Specifications may be changed at any time without prior notice.