

CONVENTIONAL 48 ZONE FIRE ALARM PANEL MODEL NO-AP CODE- C-48 Z

This microcontroller-based conventional fire alarm control panel is engineered to monitor and manage Forty-Eight independent fire detection zones, delivering dependable and precise fire event supervision. Each zone is continuously monitored, and its real-time status is clearly indicated through high-visibility LCD and LED indicators, enabling rapid identification of system conditions.

Upon detection of a Fire, Fault, Open, Short Circuit, the panel immediately pinpoints the affected zone and provides distinct visual alerts. The system automatically executes predefined response actions, including activation of the **common & Zone wise hooter**, ensuring timely warning and swift emergency response.

Developed using latest-generation Microprocessor based technology, the panel offers high reliability, consistent performance, and intuitive operation. It is specifically designed for deployment in large size commercial facilities, residential complexes, hotels, warehouses, institutional premises, Large-scale industrial environments, where effective fire detection and rapid notification are essential for safeguarding life and property.

KEY FEATURES :

- As Per IS-15908:2011 Standard.
- 16x2 Dot Matrix LCD Display.
- Distinct indication for Fire, Fault, and Short Circuit conditions.
- Short Circuit/Overload Protection.
- Potential Free Contact Facility.
- Auto Dialer Integration Facility.
- Zone Healthy Indication.
- RS 485 Communication for Repeater Panel.
- Compatible With all Make Conventional Sensors.
- Relay Output for Actuators, For Fire & Fault.
- Lamp Test Facility.
- User Friendly Keypad for easy panel operation.
- Zone Isolation Facility with Zone Voltage Cutoff.
- Low Battery Visual Warning.
- Evacuate Switch for Emergency.
- Zone Name Editing Facility.
- Inbuilt Battery Charger & Battery Space. (2 Battery 12V 7Ah)
- B Class Wiring.





TECHNICAL SPECIFICATION:

Mains Voltage	220~230V AC
Frequency	50~60 Hz
Power Consumption	15 Watt/150 Watt (Normal/Fire)
Operating Voltage	24 V DC
Detection O/P Supply	24 V DC
Hooter O/P Supply	24 V DC
No of Relays	52

ALL ZONES ARE CLASS B WIRING

INITIATING DEVICE CIRCUITS (ZONE CERCUIT):

Normal Operating Voltage	16-24 V DC
Alarm Current	15-30mA
Short Circuit Current	100 mA
Maximum Zone Resistance	220 ohms
End of Line	4.7k
Standby Current	500 mA

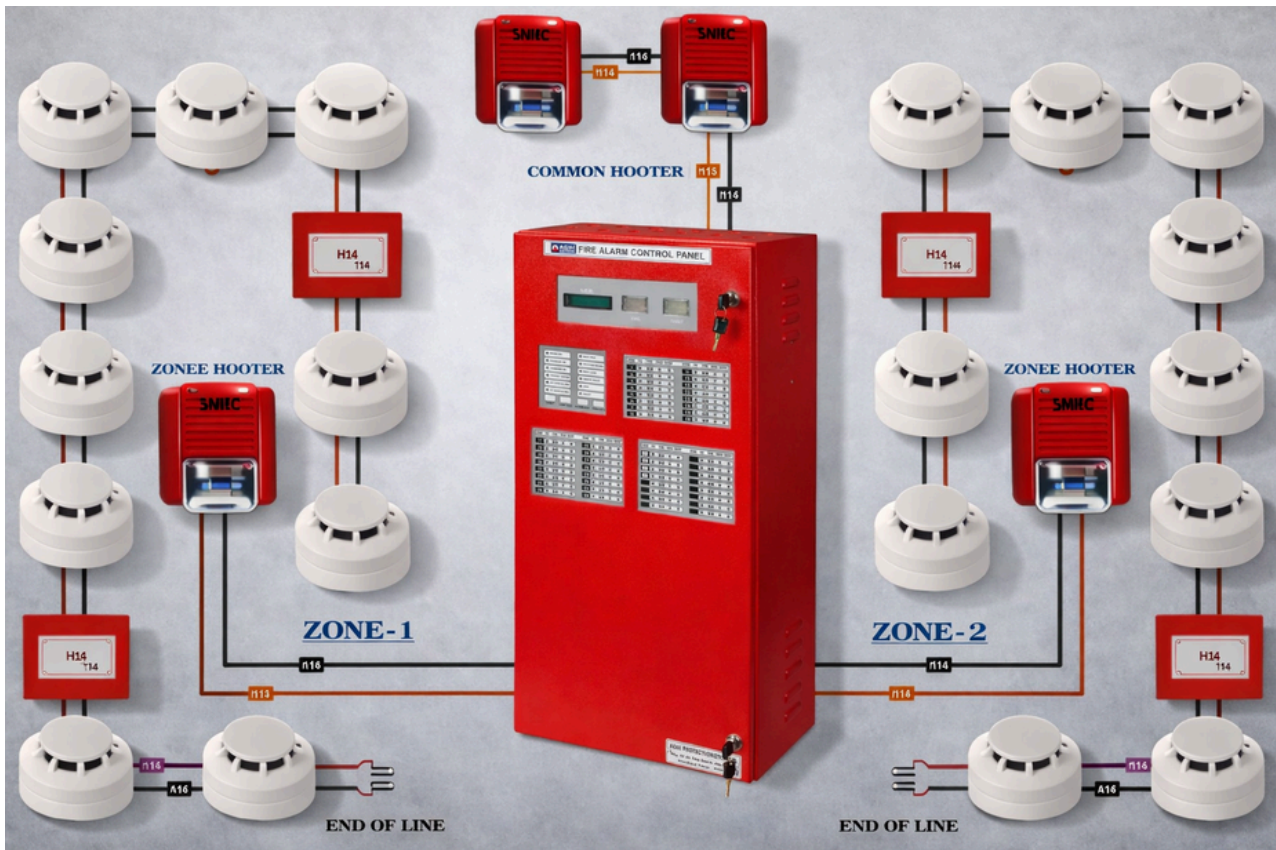
ENVIRONMENTAL INFORMATION:

Operating Temperature	0° C to + 65° C
Operating Humidity	5 to 95% Relative Humidity (non- condensing)

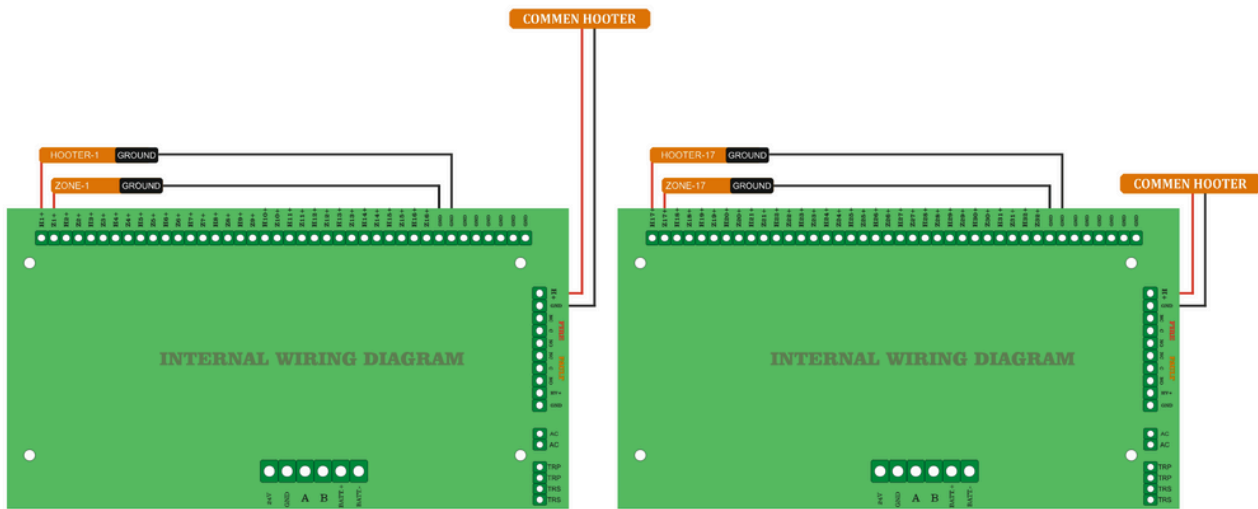
MECHANICAL SPECIFICATION:

Cabinet Type	CRCA With Powder Coated Finish
Colour	Red
Knock- Out	20mm
Dimension (WXHXD)	420X770X210 mm
Weight without Batter	15 Kg (No Battery Fitted)

WIRING DIAGRAM:



CONNECTION DIAGRAM:





ORDERING INFORMATION:

CODE NO	PACK QTY.	DIMESION (WXHxD) MM	WEIGHT
C-48 Z	1	420X770X210	15 KG

APPROVED BY:

