

CONVENTIONAL 24 ZONE FIRE ALARM PANEL

MODEL NO-AP CODE- C-24 Z

This microcontroller-based conventional fire alarm control panel is engineered to monitor and manage Twenty-Four 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 mid-size and large size commercial facilities, residential complexes, hotels, warehouses, institutional premises, mid-scale and Large-scale industrial environments, where effective fire detection and rapid notification are essential for safeguarding life and property.

KEY FETURES :

- 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/100 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	28

ALL ZONES ARE CLASS B WIRING

INITIATING DEVICE CIRCUITS (ZONE CERCUIT):

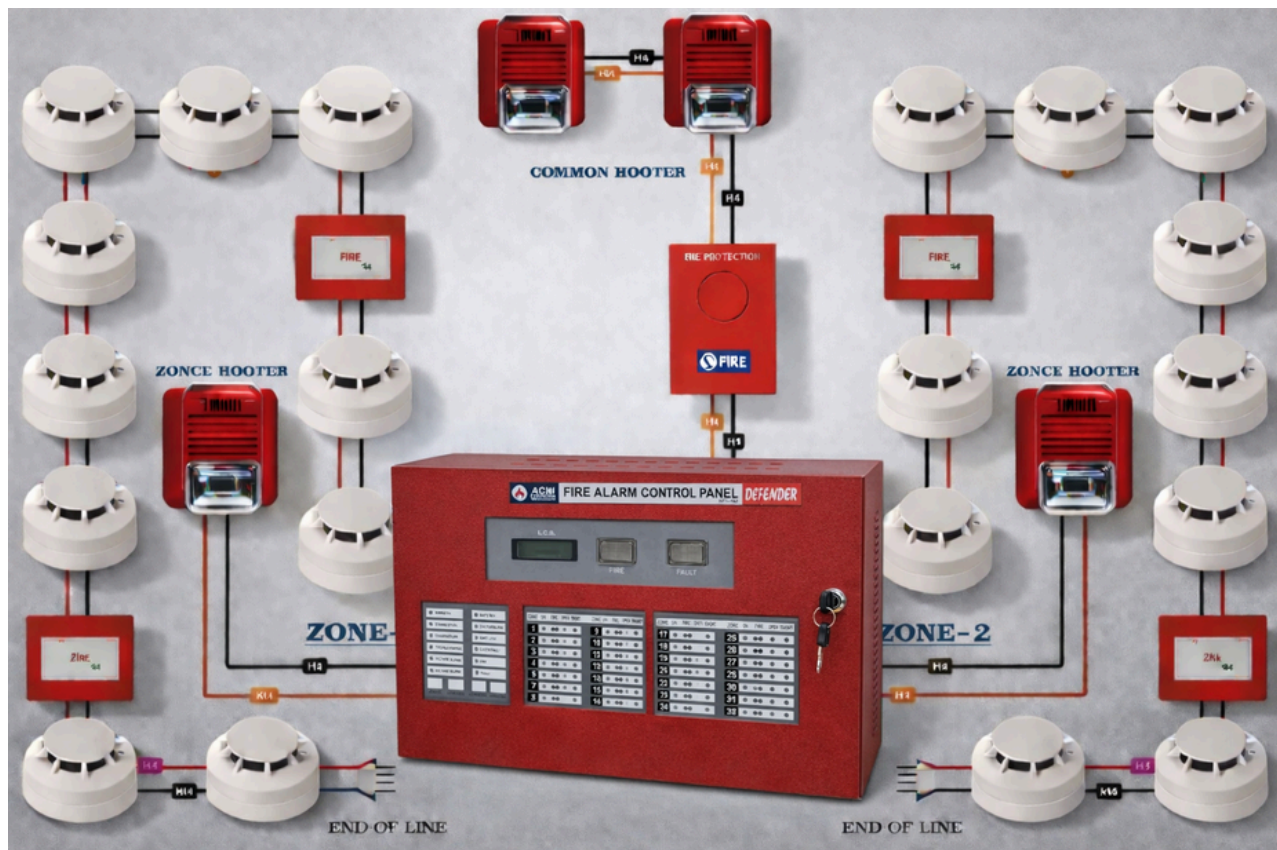
Normal Operating Voltage	16-24 V DC
Alarm Current	15-30mA
Short Circuit Current	100 mA
Maximum Zone Resistance	220 ohms
End of Line	4.7k
Standby Current	200 mA

ENVIRONMENTAL INFORMATION:

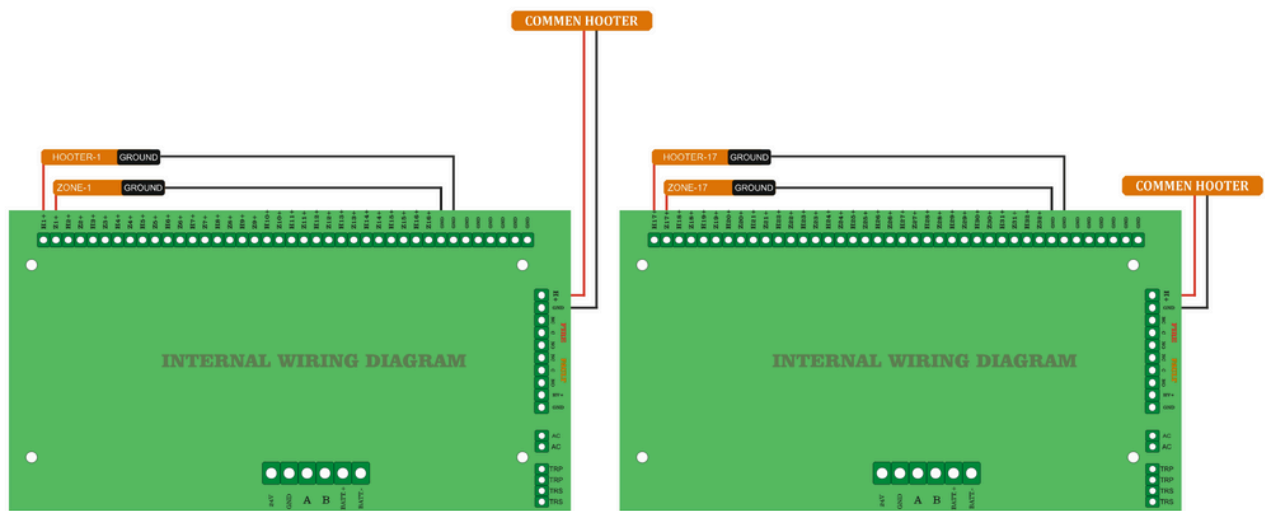
Operating Temperature	0° C to + 65° C
Operating Humidity	5 to 95% Relative Humidity (non- condensing)

MECHANICAL SPECIFICATION:

Cabinet Type	CRCA With Powder Coated Finish
Colour	Red
Knock- Out	20mm
Dimension (WXHXD)	600X400X150 mm
Weight without Batter	10.5 Kg (No Battery Fitted)



CONNECTION DIAGRAM:





ORDERING INFORMATION:

CODE NO	PACK QTY.	DIMESION (WXHXD) MM	WEIGHT
C-24 Z	1	600X400X150	10.5 KG

APPROVED BY:

