



DF550-4CP Conventional Fire Alarm Control Panel (4 Zone)

Description

The DF550-4CP is a 4/8 zone UL Listed Conventional Fire Alarm control Panel. These control panels are designed to be used in small & medium commercial industries, buildings, hotels, schools, etc. and are compatible with conventional detectors, manual call points and normally open dry contact devices.

Features

- Rugged CRCA sheet with powder coated finish.
- Operates on 110 - 220v 50 /60 Hz, AC Mains power supply.
- 16x2 Dot Matrix LCD Display.
- 4/8 Class B Style 'B' or Style 'C' initiating device circuit (IDC).
 - All zones accept smoke detectors and any normally open contact device.
 - Any Zone can be configured as Alarm or supervisory Zone.
- 2 Class B Notification Appliance Circuits (NAC).
- NAC shall be programmed as silenceable or Non Silenceable.
- Supervisory Zone shall be Latching or Resettable.
- Standby (battery) backup 24v DC power supply with built in charger
- Error free Fire / Fault status in unambiguous colored LED indication.
- System ON indication.
- Main, Standby status audible and visual indication.
- Battery Low visual warning with audible tone.
- FormC relays for fire, fault and supervisory.
- Resettable / Steady 24V D.C. Output.
- RS 485 Communication facility (Optional).
- Lamp Test facility.
- All field wiring circuits are Power limited except 110 - 220v AC and Battery.
- All field wiring circuits are supervised.
- Walk Test facility.
- Zone Isolation facility with loop voltage cut off.
- Earth fault annunciation facility at 0 ohms.
- AC Low voltage cutoff.
- Programmable AC loss delay.
- Programmable Alarm verification.
- Programmable Trouble reminder

Special Features

- Switched Mode Power Supply (95-245)V
- Modular Construction
- Auto Resettable Fuse
- Surge Protection
- Programmable AC loss delay/Trouble Remainder/Alarm Verification
- Battery polarity reversible protection
- Surface Mount Technology
- Over All current consumption is low.





DF550-4CP Conventional Fire Alarm Control Panel (4 Zone)

Electrical Specification:

Primary Power (RE-SMPS-4A-R1)

120 - 220VAC \pm 10%, 60 - 50 Hz

Standby Power

24v D.C (2 Nos of 12v, 12Ah Sealed Lead acid battery).

Charging Circuit

Charging Voltage 28.0V, \pm 0.5V

Charging Current 800mA (Max).

D.C. Output

Supervised 24VDC, 300mA Max.

Common Relays

Type	: Form C
No of Relays	: 3
Relay Contact Rating	: 2 Amps @ 30 VDC, 2Amps @ 30 VDC.
Power Factor	: 0.6

Initiating Device Circuits

All Zones are Class B Style B/C operation
(Programmable).

Normal Operating Voltage	: 14 - 21 VDC.
Alarm Current	: 15 - 30mA.
Short Circuit Current	: 45mA Maximum.
Loop resistance	: 100 ohms Maximum.
End-Of-Line Resistor	: 3K9, 1/2watt
Standby Current	: 7mA (2mA for Detectors)

Notification Appliance Circuits

Class B, Style - Y wiring

Operating Voltage	: 24VDC Nominal Special Application
Current for NACs	: 12Amps (0.6A per circuit)
Line Drop	: 1.8V
End-Of-Line Resistor	: 3K9, 1/2watt



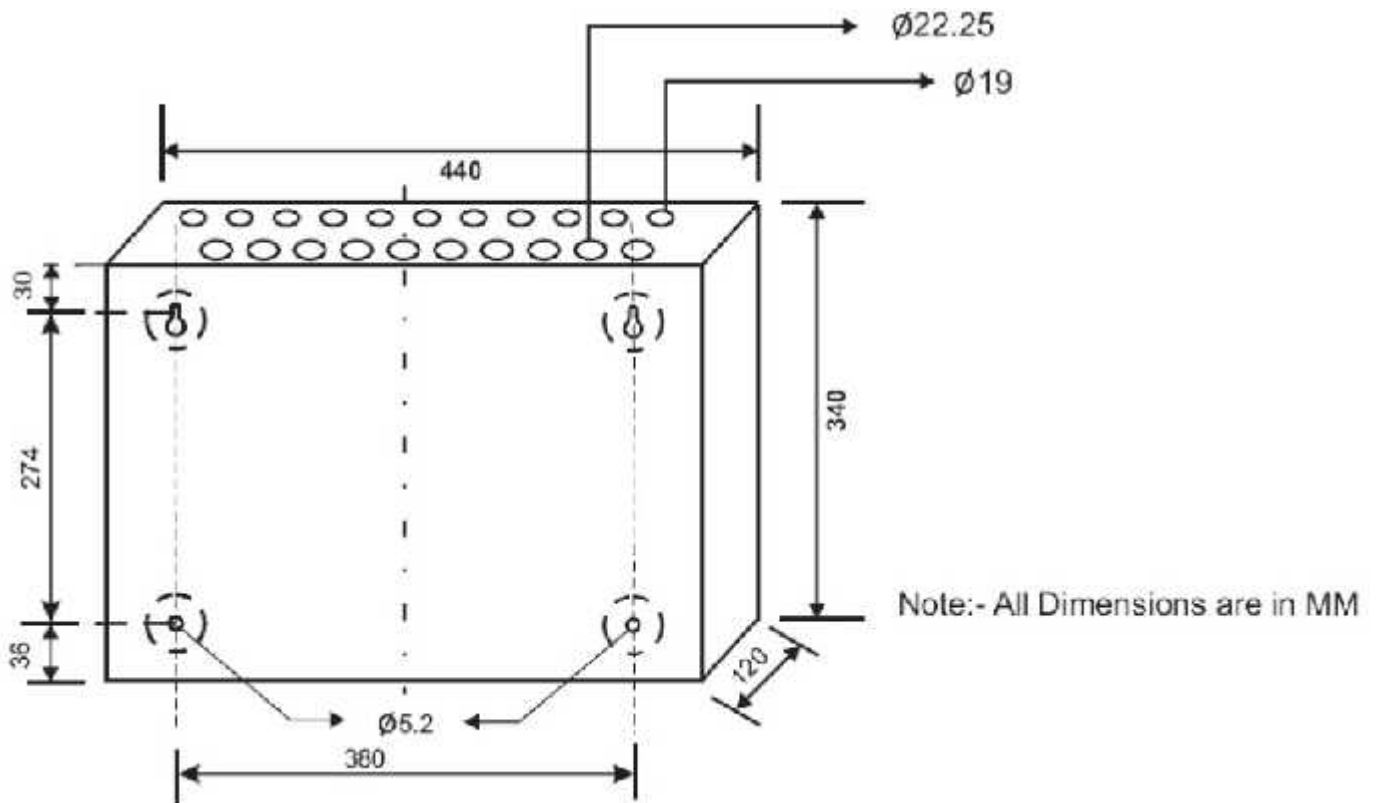


DF550-4CP Conventional Fire Alarm Control Panel (4 Zone)

Mechanical Specification:

Construction	: 16 Gauge (1.6 mm) CRCA sheet with powder-coated Finish
IP Rating	: IP50
Cable Entry	: 9x ϕ 19mm Knockout in top of the cabinet 9x ϕ 22.25mm Knockout in top of the cabinet
Weight	: 13 Kg

Mounting Diagram





DF550-4CP Conventional Fire Alarm Control Panel (4 Zone)

Wiring Diagram

