

DF560-8CP Conventional Fire Alarm Control Panel (8 Zone)

Description

The DF560-8CP 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 120 220v 50 /60 Hz, AC Mains power supply.
- 16x2 Dot Matrix LCD Display.
 - 4/8 Class B 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).
- 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 / uninterrupted 24v D.C. Output.
- RS 485 Communication facility (Optional).
- Lamp Test facility.
- All field wiring circuits are Power limited except 120 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 Options

- NAC's.
- IDC's.
- Supervisory Mode.
- AC loss delay.
- Alarm verification facility.
- Trouble reminder facility.





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Electrical Specification:

Primary Power CN1

120 - 220VAC ± 10%, 60 - 50 Hz

Standby Power CN10

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

Charging Circuit

Charging Voltage 28.0V, ± 0.5V Charging Current 800mA (Max).

D.C. Output CN7

Supervised 24VDC, 300mA Max.

Common Three Form C Relays CN2, CN3, CN4

Relay Contact Rating : 2 Amps @ 30 VDC,

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Power Factor : 0.6

Initiating Device Circuits CN8

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 CN5 and CN6

Class B, Style - Y wiring

Operating Voltage : 24VDC Nominal Special

Application

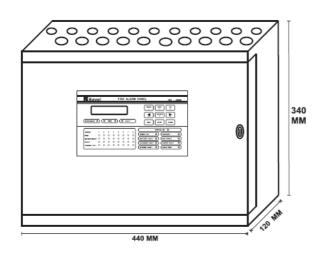
Current for all NACs : 12Amps (0.6A per circuit)
Current Limit : CN5 and CN6 via Thermal

Fuse

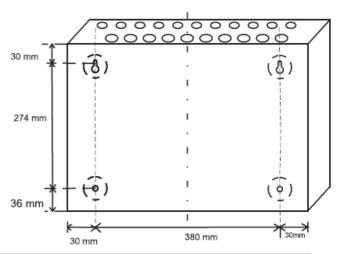
Line Drop : 1.8V

End-Of-Line Resistor : 3K9, 1/2watt

G.A.Diagram:



Mounting Detail:



Terminal Details:

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Zone 8	Zone 7	Zone 6	Zone 5	Zone 4	Zone 3	Zone 2	Zone 1	RS Sense	RS 24V Output	NAC - 2 (600mA)	NAC - 1 (600mA)	Fire Relay	Fault Relay	Supervisory Relay	AC Input

