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.
**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,
2Amps @ 30 VDC.
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:**

**Terminal Details:**

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<thead>
<tr>
<th>Zone 0</th>
<th>Zone 7</th>
<th>Zone 6</th>
<th>Zone 5</th>
<th>Zone 4</th>
<th>Zone 3</th>
<th>Zone 2</th>
<th>Zone 1</th>
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<th>NC Sink</th>
<th>NC NO</th>
<th>NC NC</th>
<th>NC NC</th>
<th>NC NC</th>
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**Mounting Detail:**

1050 Temple Ave Colonial Heights VA 23834-USA
Phone: 804-4172244 - FAX: 804-4172245

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