

Intelligent Fire Alarm Panel

SureFIRE 6FL

SureFire 6FL 6 zone fire alarm control panel provides a cost effective platform for sensing fire that is Reliable, flexible and User-friendly. The panel has been designed with both installer and end user's requirements of Fire & Security industry in mind. For installer, SureFire 6FL offers an out of the box and on the wall solution.

A combination of quick installation and easy on-site setting allows installers to simply meet the demands of end-users. For end-users, clear visible zone-wise through both LCD & LED indicators makes easy to operate functions make simple and unambiguous operation. An expandable zone from 2/4/6 zones makes the product highly flexible and easily upgradable depending on the site conditions.



Specification

Power Supply

- 90-270V AC, 50Hz, 30 Watts SMPS

Inputs

- Conventional 24V DC Operated smoke detector (upto 20 Nos / Zones)

Outputs

- Buzzer for all local Indications
- 14VDC / 0.7A DC for CC/CV battery Charging
- Built in Hooter-12V operated,min 85db sound level
- Potential free relay for every zone
- Open collector output 8 Nos drive upto 100mA load

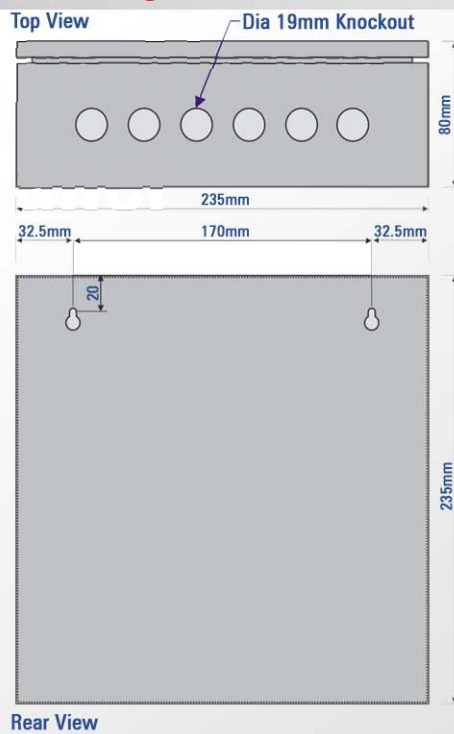
Battery

- Type - 12V, 7Ah SMF Battery - 1no. with Charger current -0.7A

Key Features

- Compatible with all major analog smoke detectors like System Sensors, Apollo, Bosch, Siemens etc.
- 2 and 4 Zone models in the same dimension
- Microprocessor Controlled, user friendly design with LCD display
- Reliable wide operating voltage SMPS suitable for Indian power conditions
- Standby Battery backup with Digital Battery Charger & Low voltage Disconnect
- Relay Outputs for every zone
- Zone naming for easy zone identification through Alphanumeric keypad
- RS-232/RS-485 Connectivity for Remote Annunciation(Repeater Panel) /Auto dialler

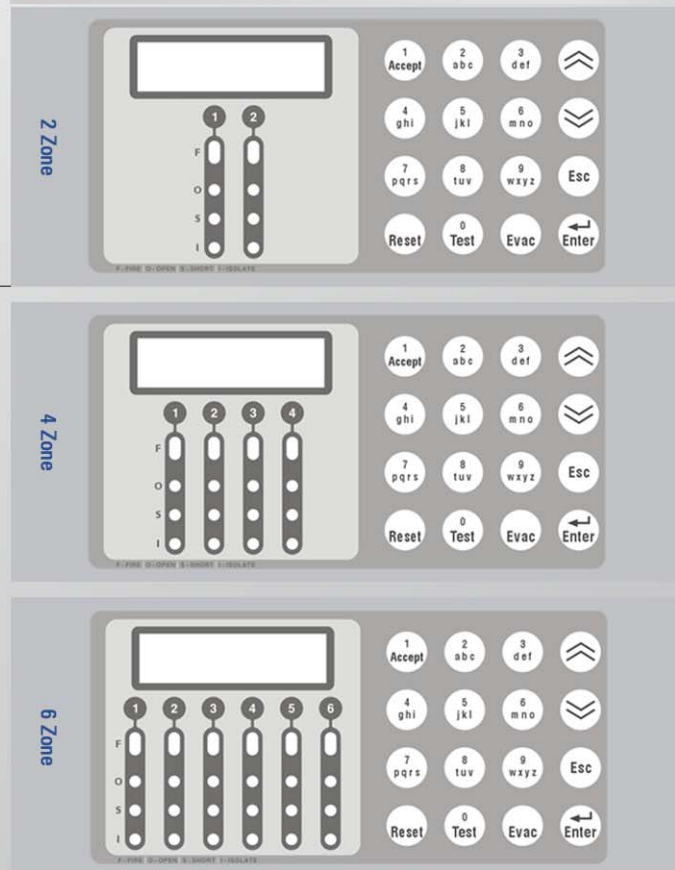
Dimensional Diagram



Mechanical

| | |
|-------------------|-----------------------------|
| Dimensions | 235(W)X235(H)X80(D)mm |
| Weight | 2.5 kg (W/O Battery) |
| Construction | 16g for Door & 18g for Body |
| Cable entry | Dia 19/(6 Nos) Knockouts |
| Operating temp | +5°C ~ 50°C |
| Relative Humidity | 90% RH Non-condensing |

Key Board Layout



Features

- ❑ **All Digital Fire Detection system**
No analog processing, hence avoids false alarms
- ❑ **8 Programmable Relays**
Potential free contacts for every zone for zone specific action.
- ❑ **Auto System Functionality Test**
Power on self-test.
- ❑ **Digital Battery Charger**
Charging the battery digitally extends the battery life. Single 7Ah SMF battery reduces cost and size. Battery low voltage Disconnect safe guards the battery against deep discharge. Backup time upto 8Hrs ensures reliable operation during power failures.
- ❑ **Zone Scalability**
Expandable zone card consists of 2/4/6 zone/card thus scalable from 2 to 6 zones.
- ❑ **User programmable Zone Names**
User can program his own zone name (up to 16 alpha numeric characters) for each zone. Ex : "First Floor", "Canteen" etc, using alphanumeric keypad.
- ❑ **Test Mode**
Test the indications of all LCD, LED's relay functions.
- ❑ **LCD Display parameters**
 1. 16x2 Character Back lit LCD
 2. Zone location (can be programmed using alphanumeric keypad)
 3. Zone - Normal/Open/Short/Fire/Isolate
 4. Real Time Clock

Key Functions

Up, Down, Enter, Back, Accept, Test, Reset & Evacuate, Alphanumeric keys

LED Indications

Fire, Open, Short, Isolate for all zones

Finish

Siemens grey Powder Coating with Matt finish



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SureFIRE Range of Fire Alarm Panels

