

# Fire Alarm Control Panel

## CFX Series



The CFX series of Microprocessor based fire alarm panels provides a reliable and cost effective solutions to fire detection, from small to large size installations which have 2, 4, 6, 8 & could go up to 60 zones of selecting models and features. These units have been designed to offer high standards of performance, reliability and quality and comply with IS 2189 : 1999 and tested by the ERTL (N). The CFX series panels are specially suited for the small offices, workplaces, small & high rise buildings.

### Basic Features

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|-------------------|
| Easy Installation |
| Easy Operation.   |
| Easy to Maintain. |

### Standard Features

Complies to IS 2189: 1999 and Tested by ERTL (N).
2 X 16 character backlit LCD display.
Lamp test feature.
Complete with integral power supply and battery charger for sealed lead acid battery.
NO/NC contacts for both fire and fault.
Switches to enable on board operation.
LCD and LED Indication for open, short circuit, Isolate, Fire in each zone.
Maximum nos. of Detectors in each zone is 25.
<b>Optional Features</b>
4 X 20 character backlit LCD display.
2 wire Communication facility via RS 485 Port.
BMS attachment. / Repeater panel facility. (2 wire with LCD)
256 / 512 Events logging facility with real time clock and keypad.
Computer attachment with Printer Facility.
Output for extinguishing facility and activated when alarm from 2 cross zones. (Time delay 0-99 sec.)

# Fire Alarm Control Panel

## Electrical Specification

Operating Voltage	24 Volts DC.
Stand by Batteries	24 volt DC (2 X 12 volt DC)
Power Supply	
Mains	220 volt AC, 50 Hz to the internal mains transformer. ( $\pm 10\%$ )
Input	26 volt from internal mains transformers.
Output	24 volt DC ; 12 volt DC. (Regulated)
Charging Voltage:	27.2 volts DC.
End of Line Resistor:	4.7 K Ohm, One per zone.

## Environmental Operating Limits :

Temperature	0 deg. C to 50 deg. C
Humidity	90% to 95% RH condensing.

## Dimensions (mm) :

Length x Breadth x Depth	275 x 325 x 95 (2 Zone & 4 Zone)
Weight	3.920 Kg.
	395 x 360 x 125 (6 Zone & 8 Zone)
	8.200 Kg.

## Construction :

Material	1.6 / 1.8 mm CRCA sheet duly powder coated.
Cable Entry	From top and back (20 mm knock outs )
No. of Zones	<b>2 to 60 zones.</b>

## Internal Sounders :

	Continuous buzzer for the fault condition
	Intermittent buzzer for the fire condition.

## External Output :

Sounder Output	Common hooter output with number of individual output per zone.
Aux. Relay Output	One each for fire and fault can be expanded according to the individual requirement.

## Approvals :

Department	BSNL, PWD, CPWD, Banks and other Private and Govt. Departments
Tested By	ERTL(N),

## Zone Display

Green LED	Zone healthy.
Amber LED	Isolate, short & open
Dual Red LED	Fire
LCD Display	2X16 character indicating complete status of zone.

## User Controls

	Reset, Lamp Test, Silence, Isolate, Short, Open, Fire.
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## LED Indications on Panel

	Mains ON, Charging On, System On, Battery Low
	Stand By On, Earth Fault, Buzzer Silence, Alarm Silence
	Zone On, Zone Isolate, Short, Open, Alarm.

## LCD Indications on Panel

	Zone status
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