

## FIRE ALARM SYSTEMS

### MODEL E 71

#### INTRODUCTION:

This fire alarm and security system is exclusively designed to meet the safety requirements and to protect the unmanned equipment rooms, microwave stations, exchanges etc. from unpredictable events such as fire, unauthorized intrusion, robbery etc. E 71 comprises four independent sections which continuously monitor the protected premises and on generation of any alarm i.e. fire, door, motion & mains fail alarm. This system offers four independent potential free contacts for extension of remote alarm to operator.

#### SYSTEM BASIC FEATURES

##### A FIRE ALARM

The control panel generates audiovisual alarm on receipt of trigger commands from fire sensor. Beeper tones are used to indicate the fire condition. This will alert the local staff so as to activate the fire fighting device or to take other appropriate measures.

##### B INTRUDER ALARM

Unmanned equipment rooms such as microwave stations or exchanges are monitored and protected from unauthorized entry. For this purpose magnetic door sensors are used to trigger the control circuit that generates the audiovisual alarm.

##### C MOTION DETECTION ALARM

System provides audiovisual alarm whenever motion is detected within the shelter.

##### D MAINS FAIL ALARM

System provides alarm for mains fail. Normally Closed (NC) type contact.



All above sections continuously monitor the protected premises and generates respective alarms and also provide the trigger signal for remote alarms through potential free relay contacts. Those individual alarms can be further sent to the central control station or switch room.

#### SPECIFICATIONS

System configuration	
a] Fire zone	One
b] Fire sensor	Apollo optical smoke sensor.
c] Door sensor	Magnetic door sensor
d] Temperature sensor	Passive Infrared Sensor
e] Front panel controls	Self Test switch for system functionality check Digital reset switch for fire alarm Rocker switch for hooter mute
Audiovisual indications	
01] System on	Green indicator
02] Mains fail	Amber indicator
03] Low bat	Red indicator
04] Fire	Flashing twin red LED & fire tone by internal & external hooter
05] Fire sensor open	Amber indicator & fault tone by internal Speaker
06] Fire sensor short	Amber indicator & fault tone by internal speaker
07] Door open	Red indicator & beeper tone
08] Motion Detected	Red indicator & external hooter

#### REMOTE ALARMS

All remote alarms are separately provided through potential free relay contacts. All relays remain normally open / normally close as per your requirement and offers short contact during alarm condition.

Electrical specifications	
a] Operating supply	230 VAC +/- 10%, single phase @ 50 Hz.
b] Battery backup	Through 6 V/4.5Ah (2 Nos.) Battery backup Approx. 10 Hrs.
b] Power consumption	Min 1.5 W to Max 8.0 W
Mechanical specifications	
a] Panel size	H X W X D 260 X 210 X 90 MM
b] Panel weight	
c] Panel color	Off white with polycarbonate front sticker
d] Panel mounting	Vertical wall mounting