

FIRE ALARM SYSTEMS

MODEL E 21M

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. Control panel E 21M comprises three independent sections which continuously monitor the protected premises and generates the corresponding alarm if any of the above condition persists within the premises.

SYSTEM BASIC FEATURES

A FIRE ALARM

The control panel generates audiovisual alarm on receipt of trigger commands from fire sensor. Special 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 MAINS FAIL OR SENSOR FAULT ALARM

System provides combine alarm for mains fail or sensor fault condition i.e. Normally open (NO) or normally close (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 ionization or optical sensor
c] Door sensor	Magnetic door sensor
d] Front panel controls	Self Test switch for system check Digital reset switch for fire alarm Rocker switch for hooter mute
Audiovisual indications	
01] System on	Green indicator
02] Fire	Flashing red LED & fire tone by internal speaker
03] Fire sensor open	Amber indicator & fault tone by internal speaker
04] Fire sensor short	Amber indicator & fault tone by internal speaker
05] System armed	Green indicator
06] Door open	Red indicator & beeper tone
07] Mains fail	Amber indicator
08] Low battery	Red indicator & beeper tone

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] Power consumption	Min 1.5 W to Max 8.0 W
c] Battery backup	Through 12 V/ 4.5Ah S.M.F. battery backup (Approx 12 Hrs.)
Mechanical specifications	
a] Panel size	H X W X D 260 X 195 X 90 MM
b] Panel weight	2.0 Kg. (excluding sensors)
c] Panel color	Off white with polycarbonate front sticker
d] Panel mounting	Vertical wall mounting