BINIX ®
ELECTROSYSTEMS PVT. LTD.

FIRE ALARM SYSTEMS

⊙ MODEL EX 324

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, unauthorised intrusion, robbery etc. EX 324 comprises four independent sections which continuously monitor the protected premises and on generation of any alarm i.e. fire, door, temp high & mains fail alarm. This system offers four independent potential free contacts for extension of remote alarm for four separate 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 TEMPERATURE ALARM

The room temperature is continuously monitored by control panel. For this purpose RTD sensor is used, that senses the room temperature and if it is exceeds the safe limit, system triggers the visual and remote alarms.

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 ionization or optical sensor
c] Door sensor	Magnetic door sensor
d] Temperature sensor	RTD sensor
e] Front panel controls	Self Test switch for system check Digital reset switch for fire alarm Arm/Disarm switch for intruder Rocker switch for hooter mute

Audiovisual indications	
01] System on	Green indicator
02] Fire	Flashing twin 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] Exit delay	Red indicator & beeper tone
08] Temperature high	Red indicator

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	24 VDC / 48 VDC
b] Power consumption	Min 1.5 W to Max 8.0 W

Mechanical specifications	
a] Panel size	H X W X D 310 X 230 X 90 MM
b] Panel weight	2.6 Kg. (excluding sensors)
c] Panel color	Off white with polycarbonate front sticker
d] Panel mounting	Vertical wall mounting