V.252.1

TrueSafe Single Loop Addressable Fire Alarm Panel
(Family - Fire)

Product Description:

TrueSafe Apollo V.252.1 addressable fire alarm panel is the next step/ upgrade from conventional fire panels with the added feature of being able to pin-point the exact detector and there by the location of the fire. The addressable fire panel can intelligently communicate with a wide variety of detectors and devices such as heat detector, ionization detector, sounders, beacons, and indicators etc. TrueSafe Apollo V.252.1 is a single loop panel with up to 252 devices (Soteria).

Total event log support: 2098 events, fire events log support:- 999 events, fault events log support:- 100 events, all other events log support:- 999 events. A complete system can also be formed by networking the panels using MODBUS and accessories such as repeater panels, mimic panels etc* to form a fire detection system for a very large building/complex.

Application:

- Shopping malls
- Residential buildings
- Hotels
- Industrial buildings

USPs:

- EN-54-2 and EN-54-4 certified.
- First indigenously developed panel for Apollo detector
- Easy configuration using PC utility
- 32 loops can be accommodated by using peer to peer feature

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Product Features:

- User-friendly circuit.
- Inbuilt RS485 MODBUS RTU output
- 2100 event storage with real time clock.
- Cause and effect up to 99 grouping facility.
- Pre-alarm action.
- All field wiring is power limited and supervised.
- Programmable detector sensitivity.
- Device type verification.
- Earth fault annunciation facility at 0 ohms.
- Walk test
- Loop wise test
- Lamp (LED) test.
- 128 X 64 characters LCD display
- Maximum one number of loops
- Maximum 126 devices per loop with XP95 series and 252 devices per loop with Soteria Series.
- Micro USB interface for programming
- Loop short circuit protection
- RS 485 communication facility for network / repeater.
- Auto silence facility.
- One inbuilt digital input.
- Programmable AC loss delay.
- Programmable silence inhibits.
- 2 conventional zones with LED indication
- Battery low audio, visual warning.
- Three form c relay for fire, fault and supervisory.
- One notification appliance circuit.
- The ability to interconnect up to sixteen TrueSafe main panels (any variant) onto a two wire RS485 network.
- Modular construction, serviceability.
- Auto resettable fuse.
- Surge protection at input supply.
- Unique protocol feature for fast alarm response.
- 2 Inbuilt conventional circuit (IDC).
- Tactile keypad for user-friendly operation.
- Auto learning facility.

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Technical Specifications:

General specifications	
Operating condition	Operating temperature -10° to 55° C.
	Relative humidity 93 ± 2% RH (non-condensing) at 32 ±2° C / 90 ±3° F
Electrical specifications	
Primary power	180 / 265 VAC + 10% / 50 Hz.
Charging circuit	Charging voltage 28 V, ±0.2 V
	Nominal charging current 1.2A (Max.)
Standby power	24V D.C (2 No's of 12V, 7.2Ah) sealed lead acid battery
Mechanical specifications	
Weight	7 Kgs
Dimensions	439.60 x 326.80 x 100
Colour	RAL7035 MATT
Cable Entry	9 x 19mm knockout in top of the cabinet of the cabinet
Construction	Thickness: 1.2mm.
	Width: ±0.2mm tolerance
	CRCA sheet with powder coated
IP Rating	IP50
Initiating device circuits (zone circuit) all zones are class B wiring	
Normal operating voltage	14 - 21 VDC
Short circuit current	45 mA maximum
Alarm current	15 – 30 mA
Maximum loop resistance	100 Ohms
Maximum end of Line	4K7, 1/2watt
Standby current	7 mA (2 mA for detectors)
Signaling line circuits	
Loop card	1
Loop resistance	40 Ω (Max.).
No. of devices per loop	126 Max (XP95)
Loop capacitance	0.6 µf (Max.).
Loop current	500 mA (Max.).
Relay	
Type	Form C
Relay contact rating	2 A @30V DC @125VAC.
No of relays	3

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Programmable input circuit	
Input type	Normal
Short circuit current	10mA Max
Warranty	
	One year
Abbreviations	
V.252.1	V- Vighnaharta 252- Detectors capacity in one loop 1- available 1 loop

Mounting Details:
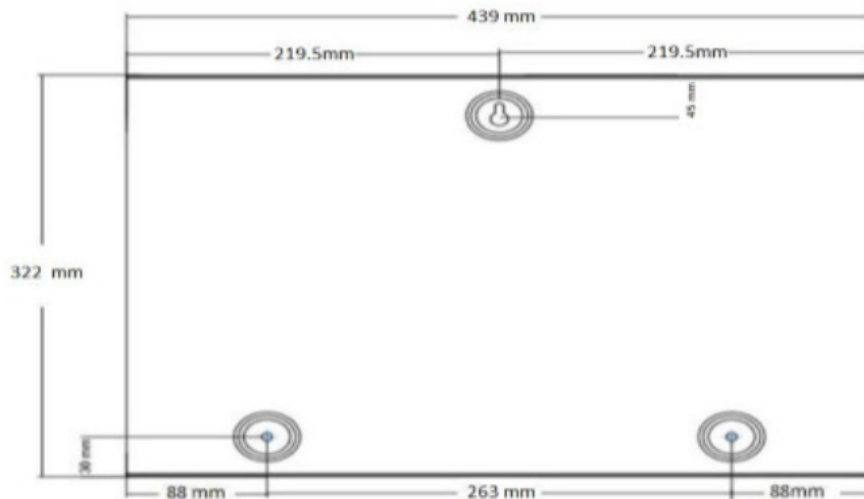
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