V.126.1

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

Vighnaharta™

Product Description:

TrueSafe Apollo V.126 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.126 is a single loop panel with up to 126 devices compatibility.

This panel can store total 1200 events. Out of these 100 separate events for fire and 100 for faults are stored. A complete system can also be formed by networking the panels and accessories such as repeater panels, mimic panels etc.* to form a fire detection system for a very large building/complex.

TrueSafe Apollo V.126 panel supports Apollo XP95 and Discovery protocol devices.

Application:

- Shopping malls
- Residential buildings
- Hotels
- Industrial buildings

USPs:

- Modular construction, serviceability.
- Networkable through software and in peer to peer networking.
- Auto resettable fuse.
- Surge protection at input supply.
- Battery cut off indication.
- Unique protocol feature for fast alarm response.
- 2 inbuilt conventional circuit (IDC).
- Tactile keypad for user-friendly operation.
- Auto learning facility.
- Designed as per EN-54-2 and EN-54-4

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V.126.1

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Product Features:

- User-friendly circuit

- Inbuilt RS485 MODBUS RTU output

- 2100 event storage with real time clock

- Pre-alarm action

- All field wiring is power limited and supervised

- 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 1 numbers of loops

- Maximum 126 devices per loop with XP95 series and 252 devices per loop with Soteria Series

- Micro USB interface for programming through pen drive.

- Loop short circuit protection

- RS 485 communication facility for repeater panel

- Auto silence facility.

- One inbuilt digital input.

- Programmable AC loos 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.

V.126.1

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Technical Specifications:

General specifications	
Operating condition	Operating temperature -10- 55° C. Relative humidity 93 ± 2% RH (non-condensing) at 32 ±2° C / 90 ±3° F
Electrical specifications	
Primary power	180 / 265 VAC + 10% - 15%, 60 / 50 Hz.
Charging circuit	Charging voltage 28 V, ±0.2 V Nominal charging current 1.2 A (Max.).
Standby power	24 VDC (2 No's of 12V, 7.2Ah) Sealed lead acid battery
Mechanical specifications	
Weight	7 Kgs
Dimensions	439.60 x 326.80 x 100.00 mm (H x W x D)
Color	RAL7035 matt
Cable entry	9 x 19 mm knockout in top of the cabinet of the cabinet
Construction	Thickness: 1.2 mm. Width: ±0.2 mm 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	7mA (2mA 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	2A @30V DC and 0.5A @125VAC.
No. of relays	3

V.126.1

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Programmable input circuit	
Input type	Normal
Short circuit current	10 mA Max
Warranty	One year
Abbreviations	
V.126.1	V- Vighnaharta, 126- Detectors capacity in one loop, 1- available 1 loop

Datasheet Version with Date (V.2 Oct 2020)

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