

## V.252.2

### TrueSafe 2 Loop Addressable Fire Alarm Panel

(Family-Fire)



#### Product Description:

TrueSafe Apollo V.252.2 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.252.2 is a two-loop panel with up to 252 devices (Soteria) support in each loop.

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. TrueSafe Apollo V.252.2 panel supports Apollo XP95, Discovery and the latest Soteria (Core protocol) devices.



#### 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



Vighnaharta Technologies Pvt. Ltd.  
(formerly known as Realty Automation and Security Systems Pvt. Ltd)  
[www.vigh](http://www.vigh) [www.Vighnaharta.in](http://www.Vighnaharta.in)

Automation | Safety | Security | Surveillance

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### Product Features:

- User-friendly circuit.
- Inbuilt RS485 MODBUS RTU output port
- 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 two numbers 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° C 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, ±0.2V Nominal charging current 1.2A (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)
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	45mA 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	2
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 @125VAC.
No. of relays	3



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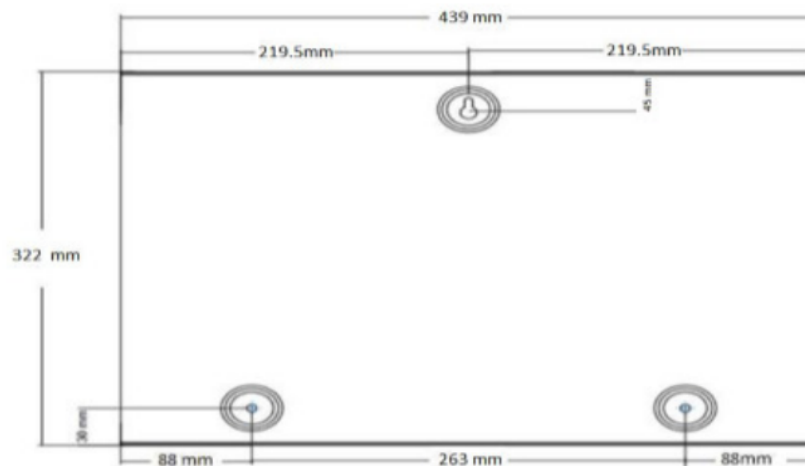
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Programmable input circuit	
Input type	Normal
Short circuit current	10 mA Max
Warranty	
	One year
Abbreviations	
V.252.2	V- Vighnaharta, 252- Detectors capacity in one loop, 2- available 2 loops

#### Mounting Details:



Datasheet version with date (V.2 Oct. 2020)