

Addressable Fire Panel V252



Product Description:

Vignaharta Apollo V252 is *Addressable Fire alarm Panel*. It is the next step/ upgrade from conventional fire panels with the added feature of being able to pinpoint 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. Vignaharta Apollo V.252 is a single loop panel with up to 252 devices (Soteria).

This panel can store total 2100 events. Out of these 1000 separate events for fire and 100 for faults are stored. 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.

Vignaharta Apollo V252 panel supports Apollo XP95, Discovery and the latest Soteria (Core protocol) devices.

The *panels* are light weight and optimum in features compared to competition panels. At the same time, the panel is simple to program, does not require special programmers or any other software, simple to operate and simple to use. Panels are networkable* and can also be connected to BMS.

Apollo protocol offers reliable, early detection of all type of fire and provides reliable false alarm management.

Apollo V252 panel is compliance to the following international standards:

1. EN-54-2 - Indication and Operation of Control Equipment
2. EN-54-4 – Power Supply Requirement
3. NFPA72 – Local Fire Alarm Systems

* This feature is under development. Contact sales person for more information.

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Product Features & Specifications:

Apollo XP95, Discovery & Soteria (Core protocol) Support

SMS, GPRS, Ethernet, WiFi, Cloud Reporting (Optional)

Operates on 180 – 265V , 50 Hz, AC Mains power supply

Standby (battery) backup 24V DC power supply with built in charger

128*64 character graphics LCD Display

12 push button Alfa numeric keys Keypad for easy programming

3 level security password protection

Real Time Clock

Events log storage capacity up to **2100** events

2 Conventional Zones with Alarm and Fault LED indications

Cause & Effect support up to 99 various combinations

Three operand support for developing C&E logics (OR, AND & NOT)

3 Relay outputs for Alarm, Fault & One spare

1 Digital input for other system interface

Interfaces - Network Port - For connection to Repeater or Printer

- RS-485 MODBUS RTU Port for BMS/SCADA interface.
- RS 232 Port for serial port for direct PC or MODEM connection
- USB Host for configuration using Pen drive or Laptop
- Optional: Ethernet, WiFi, SMS, GPRS, 3G/4G
- Optional: IoT Protocol Support: MQTT, HTTPS

USPs:

Apollo Core Protocol Support.

First indigenously developed panel for Apollo Detectors

Easy configuration using **PC utility**

Inbuilt RS-485 **MODBUS RTU** port is provided for BMS/SCADA interface.

Up to 64 panels can be networked on RS485 MODBUS

Inbuilt RS-485 port is provided for Repeater Panel interface or Printer Inter-face

Inbuilt **TWO** Numbers of **Conventional Zones** are provided

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Technical Specifications:

Power Supply	180-265VAC,50/60Hz	Battery	12VDC/7.2A x 2
Operating Voltage	34VDC/500mA 24VDC/3A for Panel Operation	Battery backup app.	Up to 8Hr Builtin, Expandable.
Loop	1	Display	128*64 character graphics LCD Display
Loop Current Max.	500mA	Outputs	Siren Output (1A max) Buzzer 3 PFC Relay(1Fire+1Fault+1 Aux)
Devices	252 devices support	Optional Interface	SMS/GSM; Ethernet; WiFi, GPRS/3G/4G.
Programming Keys	12	Connectivity	USB Port for Panel Configuration, RS 485 Modbus for SCADA/BMS RS232 Port
USB Port	1	Humidity	5 to 90% Rh
Zones	97(95 for addressable and 2 for conventional)	Working Temperature	- 10°C to 55°C
Digital In-puts	1	Size	(480x100x340)mm

Application:

