

AVANI, is a cost effective, intelligent addressable fire alarm control panel having an extensive list of powerful features. The power supply with separate metal cabinet and all other master control and indicating boards housed in a other metal cabinet, provide a complete fire control system for most applications. The panel has maximum capability for four loop cards, which are plugged into the main circuit board. Higher loop requirements can be catered to using the networking feature of the panel. There is an option for remote and local programming of the control panel using configuration software / Avani soft, upload/download utility

Features

- * User friendly circuit.
- * Device / Detector wise configuration facility
- * 2000 Event Storage with Real Time Clock.
- * Upto 192 grouping facility
- * Pre Alarm Action.
- * All field wiring are power limited and supervised.
- * Programmable detector sensitivity
- * Device type verification.
- * Earth fault annunciation facility at 0 ohms.
- * Double Address Sensing.
- * Walk test
- * Loop wise test
- * Lamp (LED) test.
- * 40 X 4 Characters LCD display
- * Maximum 4 numbers of loop card with Class A, Style 5,6 or 7 and Class B Style 4 wiring
- * Maximum 254 devices (any combination) per loop.
- * Day / Night Mode facility
- * USB 2.0 Interface for PC connectivity
- * RS 485 Communication facility for Network / Repeater
- * Programmable Auto Silence Facility
- * Programmable AC Loose Delay
- * Programmable Silence Inhibit.
- * Two no's of programmable inputs.
- * Battery low audio, visual warning.
- * Three programmable Form C relay for Fire, Fault and Supervisory
- * Two no's of Supervise Notification Appliance Circuits

Special Features

- * Indian Manufacturer - International standard.
- * UL Listed (9th Edition)
- * Switched Mode Power Supply
- * Modular Construction, Serviceability
- * Networkable
- * Auto Resettable Fuse.
- * Surge Protection.
- * Battery polarity and deep discharge protection.
- * 32 Bit processor
- * Unique protocol feature for fast alarm response.
- * Inbuilt conventional circuit.
- * Touch Keypad for user friendly operation.
- * Auto learning facility
- * Multi protocol.
- * Peer to Peer Networking.
- * Redundancy : If the main CPU fails, it will raise an alarm like conventional panel.



Electrical Specifications

Primary Power

120 / 220V AC + 10% -15%, 60 / 50 Hz.

Standby Power

24V D.C (2 No's of 12V, 40 Ah (Max), Built in for 12Ah) Sealed Lead acid battery

Operating Condition

Operating Temperature 0 - 49° C / 32-120° F

Relative Humidity 93 ± 2% RH (non-condensing) at 32 ±2° C / 90 ±3° F

Charging Circuit

Charging Voltage 28 V, ±0.2V Nominal

Charging Current 1.2A(Max.)

Notification Appliance Circuits

No of circuits : 2

Class B, Style - Ywiring

Operating Nominal Voltage : 24 VDC Nominal

Current for NACs:

NAC - 1 : 1A

NAC - 2 : 0.8A

Line Drop : 2.4V

End-Of-Line Resistor : 4K7, ½ watt

D.C. Output

Supervised 24VDC, 300mA Max

Mechanical Specifications

★ Dimensions : (400W X 500H X 120D)mm

★ Color : White / Red / Black

★ Construction : 16 Gauge (1.6 mm) CRCA sheet with powder-coated Finish

★ IP Rating : IP50

★ Cable Entry : 9xø 19mm Knockout in top of the cabinet

★ 9xø 22.25mm Knockout in top of the cabinet

★ Weight : 13 Kg

MAKE

★ RAVEL - Avani - W /R B

Programmable Relays

Type : Form C

No of Relays : 3

Relay Contact Rating : 2A@ 30 VDC,
0.5A@ 125VAC.

Signaling Line Circuits

Loop card : 4 Nos. Maximum.

No Devices per loop : 254

Loop resistance : 40(Max.).

Loop capacitance : 0.6 µf (Max.).

Loop Current : 300mA (Max.).

Initiating Device Circuits

Class B Style B/C Operation.

No of Conventional Zone : 1

Normal Operating Voltage : 14 - 21 VDC.

Alarm Current : 15 - 30mA.

Short Circuit Current : 45mA Maximum.

Loop resistance : 100 Maximum.

End-Of-Line Resistor : 4K7, 1/2watt

Standby Current : 7mA (2mA for Detectors)

Programmable Input Circuit

Normal Operating Voltage : 4 - 8 VDC.

Short Circuit Current : 3mA Maximum.

Loop resistance : 100 Maximum.

End-Of-Line Resistor : 4K7, 1/2watt

Standby Current : 1.25mA

Intelligent Single / Two Loop (Expandable to 4 Loops) Analog Addressable Fire Alarm Panel. Single / Two / Four Loop addressable Fire Detection Panel packed with features not usually associated with smaller systems, providing a high quality solution at exceptional good value and perfect solution for all medium sized projects.

Intelligent Single Loop Fire Alarm Panel

- * Loop capacity 235 Intelligent devices
- * Graphical LCD Display
- * Relay 30 Zone indication and manual intervention panel
- * Networkable with all Fire Panels
- * Programmable from PC
- * Built-in Gas Extinguishing control
- * Integrated Security alarm facilities
- * Optional Color Graphics
- * Optional Fireman's Control Panel
- * Optional Panel Printer
- * 24 Advanced user friendly programming software including "Fuzzy Logic"

Technical Specifications

- * Power supply: 230VAC 50/60Hz
- * Operating Environment: Temperature: 0~+ 40°C; Relative Humidity: 95%
- * Dimension: 400mm x 560mm x 178mm



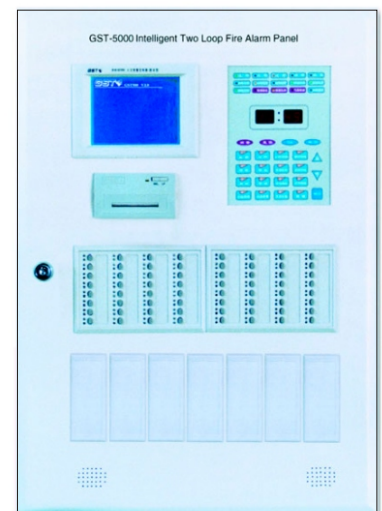
Single Loop Panel

Intelligent Two / Four Loop Fire Alarm Panel

- * Loop capacity 245 Intelligent devices
- * 40 X 12 characters Large Graphical LCD Display
- * 60 zone indication and manual intervention panel
- * Net-workable with all GST fire panels
- * Programmable from PC
- * RS485 repeater output (Maximum 64 repeaters)
- * Built-in Gas Extinguishing Control
- * Integrated Security Alarm Facilities
- * Optional Fireman's Control Panel
- * Panel Printer included
- * Optional Colour Graphics
- * Advanced user friendly programming software including 'Fuzzy Logic'
- * GST5000/2 Two loop panel can connect up to 480 devices
- * GST5000/4 Four loop panel can connect up to 960 devices

Technical Specifications

- * Power supply: 230VAC 50/60Hz
- * Operating Environment: Temperature: 0~+ 40°C; Relative Humidity: 95%
- * Dimension: 500mm x 700mm x 170mm



Two & Four Loop Panel

MAKE

- * HONEYWELL
- * GST
- * MIRCOM
- * MORLEY
- * TYCO