

ANALOG ADDRESSABLE FIRE ALARM PANEL

Avani

By  Ravel



FEATURES

- As per UL 864, 9th Edition & NFPA 72.
- 32 bit processor - Arm Cortex M3.
- Operates on 120 to 220V AC, 60 / 50 Hz.
- Battery Backup 24V DC with Built in charger.
- 40 x 4 Characters LCD display.
- Touch key pad for user friendly operation.
- Maximum 4 number of loop cards with Class A or B wiring.
- Maximum 198 devices (99 Detectors + 99 Modules) per loop.
- Upto 192 Grouping Facility.
- Auto Learning facility.
- Device / Detector wise Configuration facility.
- Auto device type verification.
- Programmable Detector sensitivity.
- 2000 Event storage with Real Time Clock.
- Day / Night Mode Facility.
- USB 2.0 Interface for PC connectivity.
- RS 485 Communication facility for Network / Repeater.
- Auto dialer / GSM Module (Optional).
- Ethernet Module (Optional).
- Printer Interface Module (Optional).
- Programmable Auto Silence Facility.
- Programmable Trouble Reminder Facility.
- Programmable AC Loss Delay.
- Programmable Silence Inhibit.
- Loop wise test facility.
- Battery low visual warning with audible tone.
- Three Programmable Form C relay for Fire, Fault and supervisory.
- Supervised 24V DC output.
- Two nos. of Supervised Notification Appliance Circuits.

SPECIFICATION

Primary Power

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

Standby Power

24V D.C (2 Nos of 12v, 14Ah) 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/96 ±3° F.

Charging Circuit

Charging Voltage 28 V, ±0.2V Nominal

Charging Current 1.2A (Max.).

Signaling Line Circuits

Class A or B loop card: 4 Nos. Maximum.

No of Device per loop: 198 (99 Detectors + 99 Modules System Sensor).

Multi protocol devices per loop : 254.

Loop resistance: 40 ohms (Max.).

Loop capacitance: 0.6 µf (Max.).

Loop Current: 300mA (Max.).

Initiating Device Circuits

One conventional zone Class B Style B/C operation.

Normal Operating Voltage: 14 - 21 VDC.

Alarm Current: 15 - 30mA.

Short Circuit Current: 45mA Maximum.

Loop resistance: 100 ohms Maximum.

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

Standby Current: 7mA (2mA for Detectors)

Programmable Input Circuits

No. of Inputs: 1

Normal Operating Voltage: 4 - 8 VDC.

Short Circuit Current: 3mA Maximum.

Loop resistance: 100 ohms Maximum.

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

Standby Current: 1.25mA

Notification Appliance Circuits

Class B, Style - Y wiring

Operating Nominal Voltage: 24 VDC Nominal

Current for NACs: 2Amps (1A per circuit)

Line Drop: 2.4V

End-Of-Line Resistor: 4K7, ½ watt

D.C. Output

Supervised 24VDC, 300mA Max.

Three Programmable Form C Relays

Relay Contact Rating: 2Amps @ 30 VDC, 2Amps @ 30VAC.

Power Factor: 0.6

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