



AVANI 8 LOOP FIRE ALARM CONTROL PANEL

Avani 8 loop is an advanced intelligent technology based analogue addressable Fire Alarm Control System designed for medium to large scale infrastructure ease of use and high reliability with the capacity to support 32,512 devices in any combination. The control panel is designed with an ARM 32-bit micro-controller with high resolution (480 x 272 pixels) 4.3 inch graphical LCD displays with a symbolic representation of system status and controls keys for easy access.

The panel status shall be visualized in LCD/LED in unambiguous color with distinguish built-in buzzer. This system can operate as a standalone or connect up to 16 network nodes with loop interface.

Key Features:

- * Complies to UL 864 10th edition
- * System supports 140 nodes including 124 repeaters
- * System supports for 32,512 devices
- * 16 nodes peer to peer networkable with loop interface card.
- * Each node can expand up to 8 loop with Class A, Class B and Class X.
- * The panel is made of 4 built-in loop cards and offer with 4 extendable loop cards.
- * Distributed intelligent extendable loop interface card.
- * Distributed loop interface card shall be installed remotely up to 1.2km
- * Multilingual graphics display - English, Spanish, Arabic etc.
- * Programmable annunciator LED in multiple of 16
- * Max. 254 devices (any combination) per loop
- * Redundancy - if the main CPU fails, it will raise the alarm like conventional panel.
- * Common and loop wise earth fault facility
- * 10000 events log with RTC per each node with distributed different search option.
- * 999 event queue for each type alarm, supervisory and fault for ease and access.
- * 2000 groups (each logic & output grouping)
- * NAC and remote input participating in grouping
- * Pre-alarm facility
- * Day / Night mode configuration
- * Programmable auto silence facility
- * Programmable AC loss delay
- * Programmable silence inhibits
- * Two programmable inputs: one for Remote fire/Evacuate/conventional zone and another one for Remote fire/Evacuate/Silence.
- * Battery low audio, visual warning.
- * Two programmable for C relay: one for Fire/Supervisory and another one for Fault.
- * Two numbers of supervised synchronized NAC's
- * All field wiring is power limited and supervised.
- * built-in conventional circuit.
- * TCP/IP/ Modbus / BACnet /GSM through NIC card
- * USB 2.0 interface for PC connectivity
- * Firmware - Field upgradable
- * User display interface can extend up to 15m.



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