



SALINET FEATURES

2-zone conventional fire alarm control panel. Has built in standby batteries to demonstrate working of FAT system in case of mains supply failure. Facilitate hands on training through use of 4mm patchcords by constructing FAT circuit using various fire detectors. Each panel has ABS molded plastic sturdy overlays showing circuit diagram & its connection tag nos. For easy understanding & connections. Provides real time simulations and activation of the fire alarm control system . Set of Instructor Guide & Student Workbook.

Technical Specifications

A] Aluminum profile modular flat demo panel rack system (table top) carrying various components housed in plastic enclosures (panels) to minimize shock possibility, in top three rows. The bottom row holds control panel with batteries.

1 phase AC Input Supply panel (EMT16A)

- 1ph. dual MCBs of 2A for short circuit protection

Smoke detector panel (FAT1)

- Photoelectric smoke sensor
- Operating voltage - 12VDC
- Standby current - 20uA
- Alarm current - 35mA@12VDC
- Alarm output - Remote LED
- Temperature - 0% ~ 95%RH

Heat detector panel (FAT2)

- Operating voltage: 12VDC
- Static current : <55uA
- Alarm current : <25mA@12VDC
- Alarm output : Remote LED ON,
- Temperature tripe point : 135°F (57°C)
- Operating temperature :- 10°C~+50°C, <95%RH
- Detecting range :50 square meter with the installation height of 6m; 12m

Manual call point(MCP) panel (FAT4)

- Operating voltage: 12VDC
- Resettable type: MCP
- Active/de active LED indication
- Push to activate & deactivate by plastic key

Siren with flasher panel (FAT5)

- Operating voltage: 12VDC@500mA
- Power: 6W
- Sound level: 105dB

- Flashing rate: 150 per minute

Gas (LPG) Leak detector panel (FAT3)

- Operating voltage: 12VDC
- Relay output contacts with max: 24V@1A
- Inbuilt alarm indication buzzer
- Inbuilt heat detector (trip point 60°C)

Control panel (FAT6)

- 2-Zone conventional control panel
- Supply voltage: 230VAC + /-10%/50Hz/max X 2W
- 12VDC (6V,4.5A X2nos) rechargeable battery backup
- Zone indication: Fire detection, sensor open, sensor short, sensor bypass & zone test indication
- Status indication - system ON, fire indication, reset key hit, silence key hit, zone fault & siren ON
- Fault indication : AC fail, Hooter fail, Battery low
- 5 keys keypad
- Keypad enable /desable by key lock
- Relay output for siren with max: 24VDC@5A
- Operating temperature: 0 to 50° C, <95% RH
- Auxiliary output: 12VDC/500mA

List of Experiment

1. To Work with smoke detector/sensor
2. To Work with heat detector/sensor
3. To Work with Gas (LPG) leak detector/sensor
4. To Work with manual Call point (MCP)
5. To Work with siren with flasher
6. To Work with Microcontroller based panel [2 Zone]

Mechanical Dimension (mm)

1170(L) X 300(W) X 990(H)

- Net Weight : 25kg Gross Weight : 35kh.

Note: Specifications are subject to change.

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