

FA-500 SERIES

Fire Alarm Control Panels

FA-505 (5 ZONE DETECTOR)

FA-510 (10 ZONE DETECTOR)

5 ZONE

10 ZONE



General

Fire control panels **FA-500 series** 5 and 10 zones, produce alarms to alert the control panel operator and the residents when they receive a fire signal from detector. They consist of two different display modes, id est individual zone lamps and trouble alarm lamps which can connect with the graphic display and annunciator.

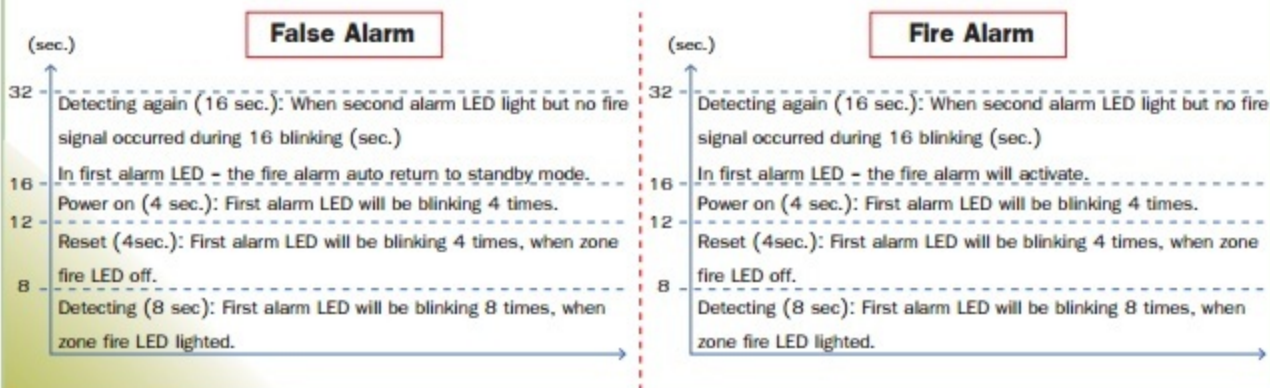
Features

- Zoned visual red alarm LED and red FIRE indicators
- Zoned visual yellow O/C fault LED.
- Continuous signal during alarm.
- Built-in battery charger.
- Low/No power and battery detection.
- Automatic loading and testing of battery.
- Battery lead reversal protection.
- Zone fire test and zone O/C fault test.
- Fire storage (Double check of the fire signal)
- Fire alarm and trouble buzzer.

Electrical

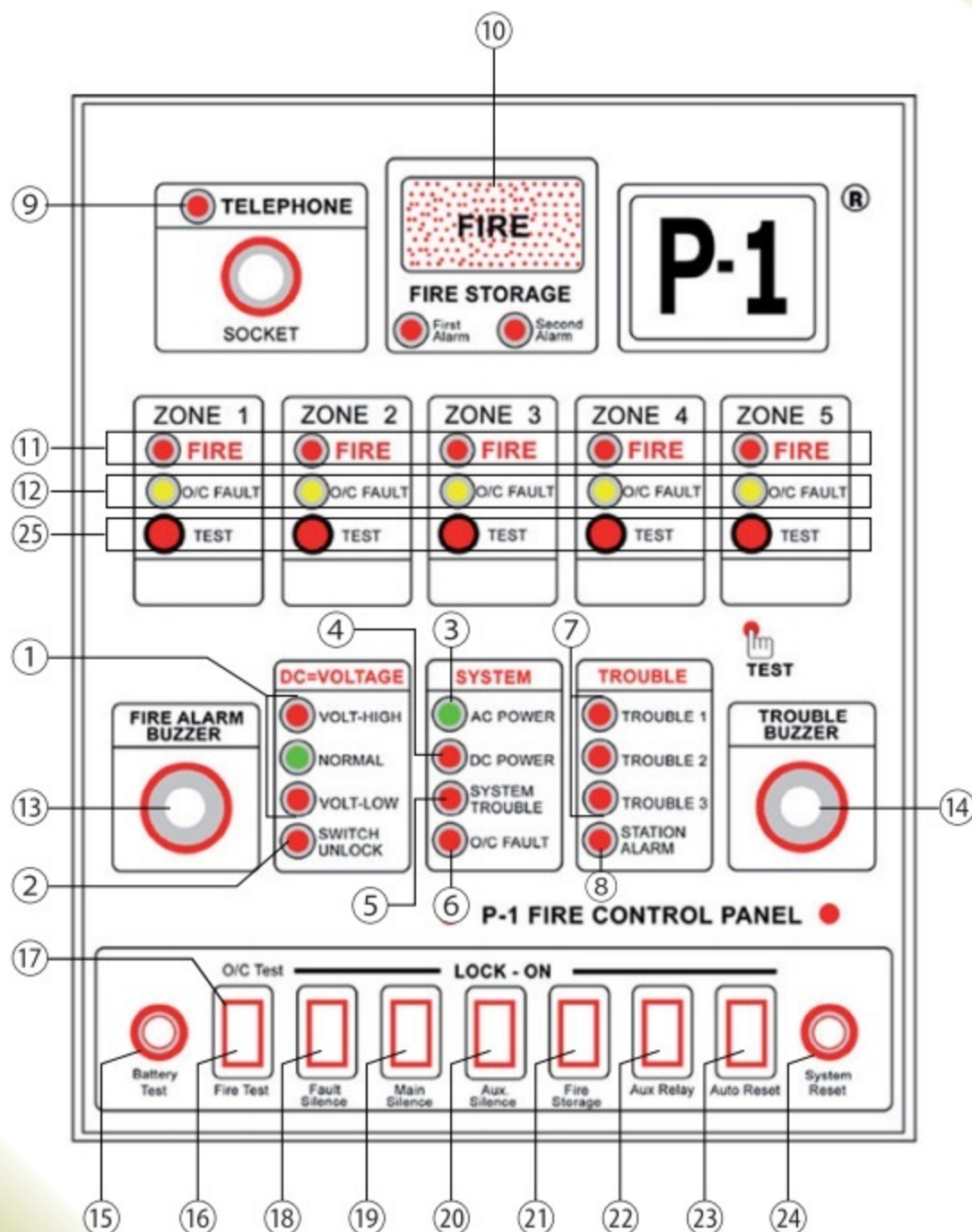
- **Model: FA-505 (5 Zone) , FA-510 (10 Zone)**
- Standard: Reply CNS.8877.Z2044
- Primary Power Source: 220 VAC, 50/60 Hz
- Secondary Power Source: 24 VDC. (Battery 2.1 Ah)
- Zone Power: 24 VDC. (18 VDC - 30 VDC)
- Zone EOL: 10K EOL (1/4 - 1/2W Resistor)
- Bell Power: 24 VDC. (1.0 amps)
- Panel Color: White & Ivory
- Dimensions (mm): **FA-505 : 300 x 380 x 90**
FA-510 : 300 x 460 x 90

Fire Storage (for double check)



FA-500 SERIES

SYSTEM CONTROL AND INDICATOR ON BOARD



FA-500 SERIES**SYSTEM CONTROL AND INDICATOR ON BOARD****INDICATING LED**

- ① **DIGITAL VOLTMETER** : *Indicating regular power supply (Normal: 20 VDC ~ 30 VDC)*
- ② **SWITCH UNLOCK** : *Red LED is flashing once 1 sec.*
- ③ **AC POWER** : *Green LED is Lit: The AC power connected to the control panel.*
- ④ **DC POWER** : *The AC power failure and the DC power connected to the control panel.*
- ⑤ **SYSTEM TROUBLE** : *Red LED is Lit. The fuse fault of main board.*
- ⑥ **O/C FAULT** : *Red LED is Lit. Indicating zone open circuit fault.*
- ⑦ **TROUBLE** : *Red LED is Lit. Indicating tank water below level or other trouble.*
- ⑧ **STATION ALARM** : *Red LED is Lit. The manual pull station are activated.*
- ⑨ **TELEPHONE** : *Red LED is Lit. Indicating the phone call.*
- ⑩ **FIRE** : *Red LED is flashing. Fire alarm!*
- ⑪ **ZONE FIRE** : *Red LED is Lit. Indicating the zone has detected the fire.*
- ⑫ **ZONE O/C FAULT** : *Yellow LED is Lit. Indicating the zone open circuit fault.*
- ⑬ **ALARM BUZZER** : *85dB @ 1m (min.)*
- ⑭ **TROUBLE BUZZER** : *Zone open circuit: once 1 sec. Telephone & trouble alarm: always.*

SWITCH OPERATION: UP - SETTING, DOWN - CLOSE

- ⑮ **BATTERY TEST** : *Pressing the button will test the battery.*
- ⑯ **FIRE TEST** : *Down the switch to test zone fire circuit (Test mode)*
- ⑰ **O/C TEST** : *Up the switch to test zone open circuit (Test mode)*
- ⑱ **FAULT SILENCE** : *Unlock the switch to silence TROUBLE BUZZER.*
- ⑲ **MAIN SILENCE** : *Unlock the switch to silence FIRE ALARM BUZZER.*
- ⑳ **AUX SILENCE** : *Unlock the switch will cause all sector sounder outputs to switch off.*
- ㉑ **FIRE STORAGE** : *Unlock the switch disable to double check the fire alarm signal.*
- ㉒ **AUX RELAY** : *Unlock the switch to control the relay NC or NO output.*
- ㉓ **AUTO RESET** : *Unlock the switch, auto reset to standby mode.*
- ㉔ **SYSTEM RESET** : *Pressing the button will reset to standby mode.*
- ㉕ **ZONE TEST** : *Pressing the button will test zones fire/open circuit (in test mode)*