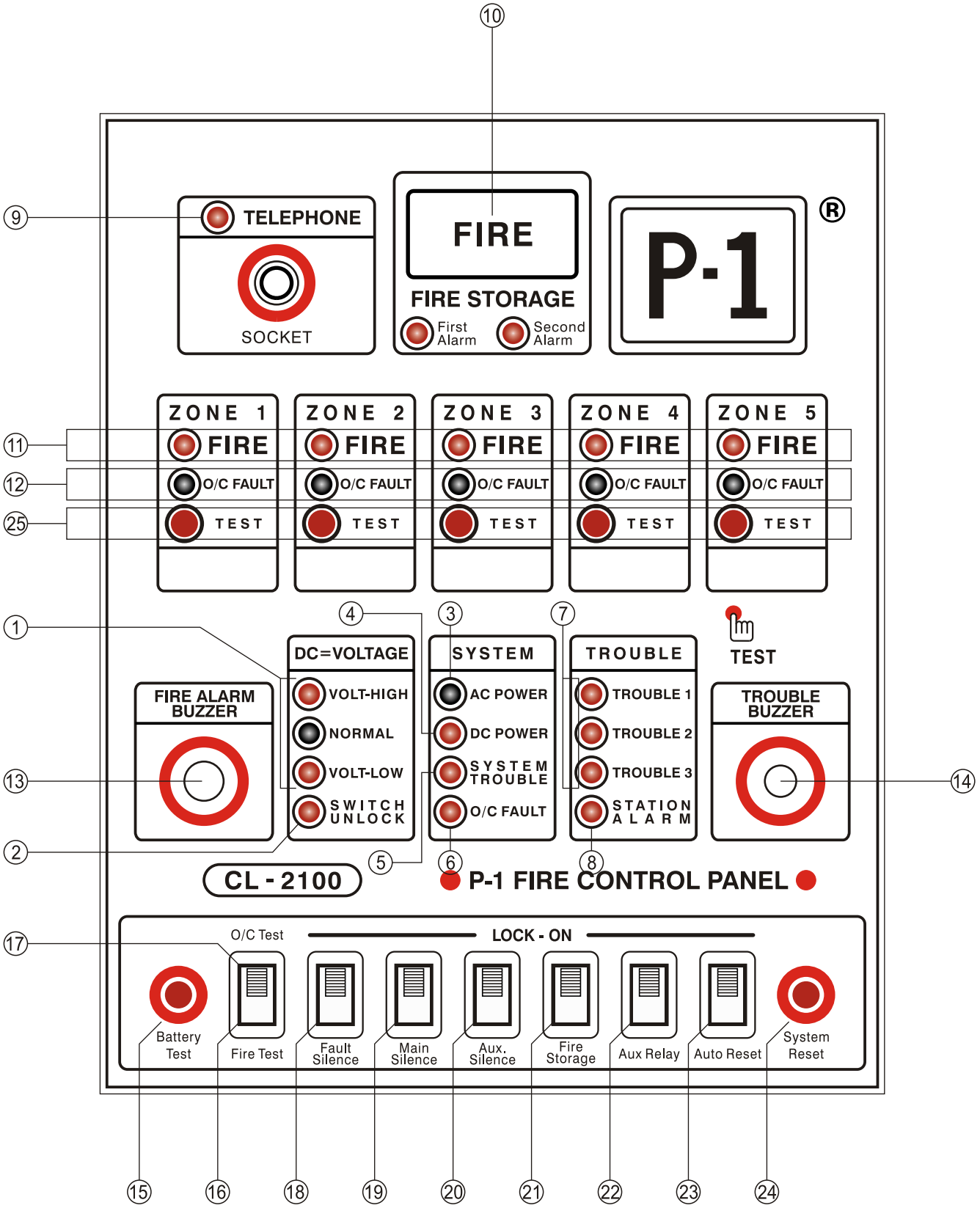
Fire Alarm Control Panel

CL-2100

Operation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TELEPHONE
SOCKET
FIRE
FIRE STORAGE
First Alarm
Second Alarm
P-1
®
ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 5
FIRE
O/C FAULT
TEST
11
12
25
1
4
3
7
DC=VOLTAGE
VOLT-HIGH
NORMAL
VOLT-LOW
SWITCH UNLOCK
SYSTEM
AC POWER
DC POWER
SYSTEM TROUBLE
O/C FAULT
TROUBLE
TROUBLE 1
TROUBLE 2
TROUBLE 3
STATION ALARM
TEST
FIRE ALARM BUZZER
TROUBLE BUZZER
13
14
2
5
6
8
CL - 2100
P-1 FIRE CONTROL PANEL
17
O/C Test
LOCK - ON
Battery Test
Fire Test
Fault Silence
Main Silence
Aux. Silence
Fire Storage
Aux Relay
Auto Reset
System Reset
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※ NORMAL CONDITION

The normal condition refers to a control panel with no active events.

- ◆ The green **AC POWER** LED is lit (steady indication).
- ◆ The green **NORMAL** LED is lit (steady indication).
- ◆ No other LED indications are given.

※ FIRE CONDITION

- ◆ The control panel is in fire condition, i.e it is signalling a fire alarm.
- ◆ The **FIRE** indicator (red LED) is flashing.
- ◆ The zone which has detected the fire is indicated by **ZONE FIRE** lights.
- ◆ The internal control panel **FIRE ALARM BUZZER** sounds.
- ◆ External alarm devices are activated. (Bell : 24VDC, Aux relay dry contacts : NO)

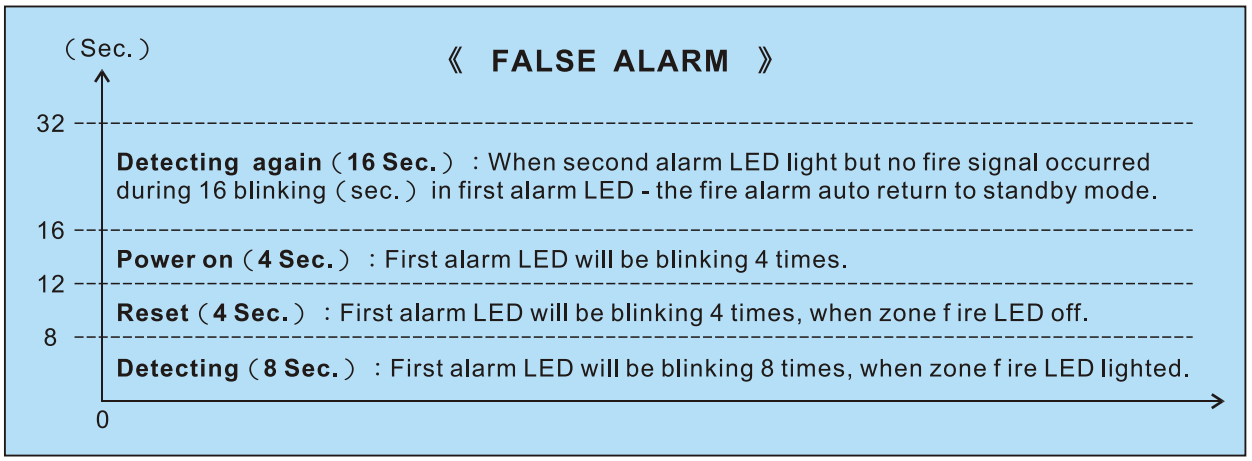
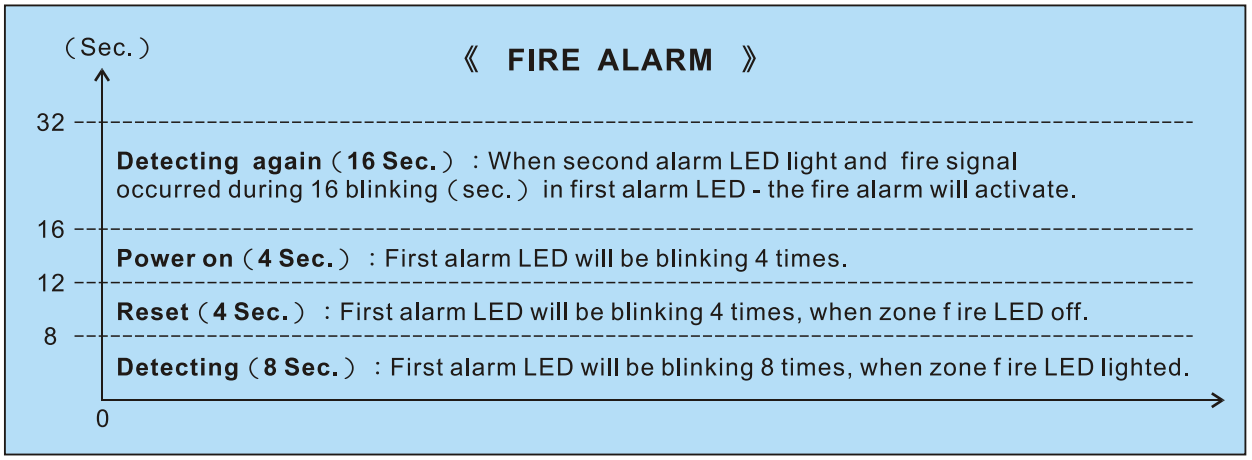
※ INDICATING LED

① DIGITAL VOLTMETER : Indicating regular power supply. (Normal : 20VDC ~ 30VDC)
② SWITCH UNLOCK : Red LED is flashing once 1 sec.
③ A C P O W E R : Green LED is Lit. The AC power connected to the control panel.
④ D C P O W E R : 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 F A U L T : Red LED is Lit. Indicating zone open circuit fault.
⑦ T R O U B L E : 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 T E L E P H O N E : Red LED is Lit. Indicating the phone call.
⑩ F I R E : Red LED is flashing. **Fire alarm !**
⑪ Z O N E F I R E : 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)

※ SPECIFICATIONS

Model	CL-2100
Standard	CNS.8877 .Z2044
Power	110 or 220 VAC (Switch) , 50 / 60 Hz
Battery	24 VDC / 1.2Ah
Circuit Voltage	24VDC, (18VDC~30VDC)
E.O.L Resistor	10KΩ ELR (1/4~1/2W Resistor)
Alarm Buzzer	DC 24V 90dB
Aux. Relay	AC 220V 5A (550VA)

◉ FIRE STORAGE (for double check) ◉