



Yun Yang Fire Safety Equipment Co.,Ltd.

YFR-S1

Addressable Annunciator

Operation Manual

2017-08-02 REV-1

71114-041-S1E

Yun Yang Fire Safety Equipment

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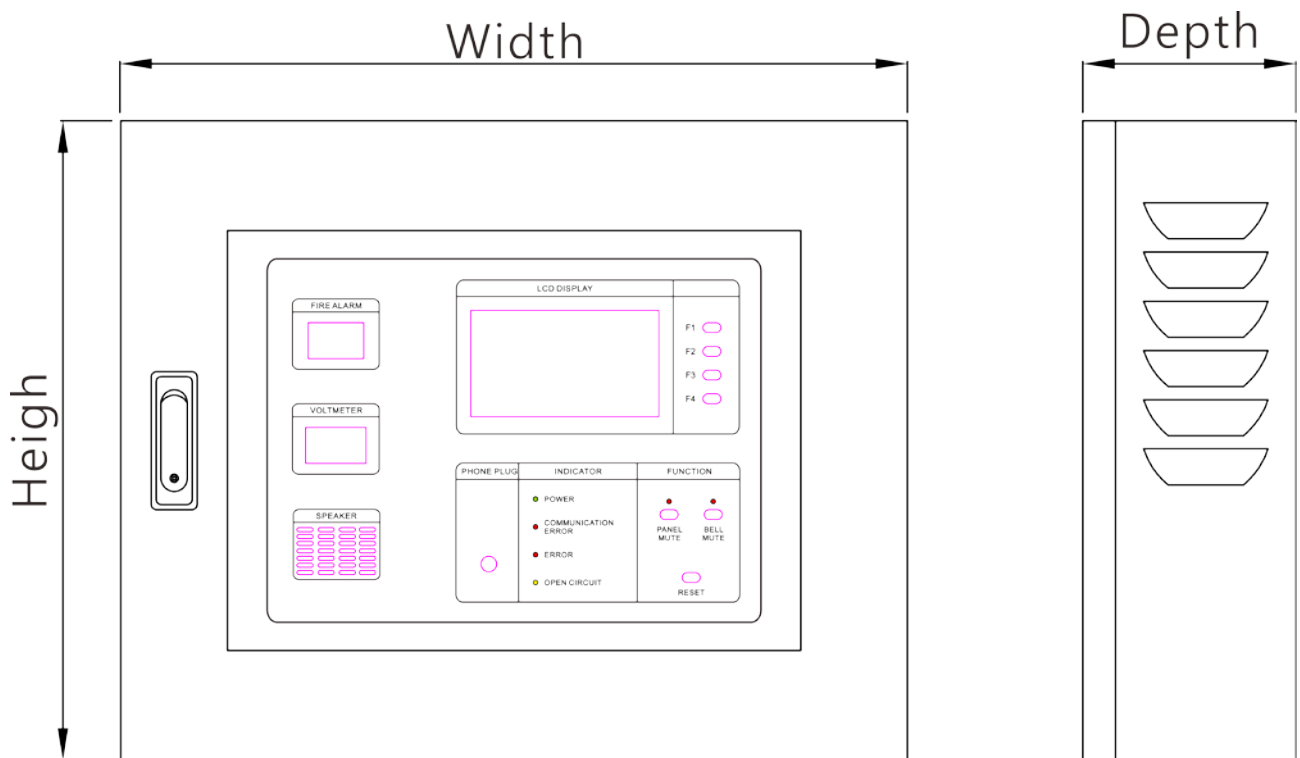
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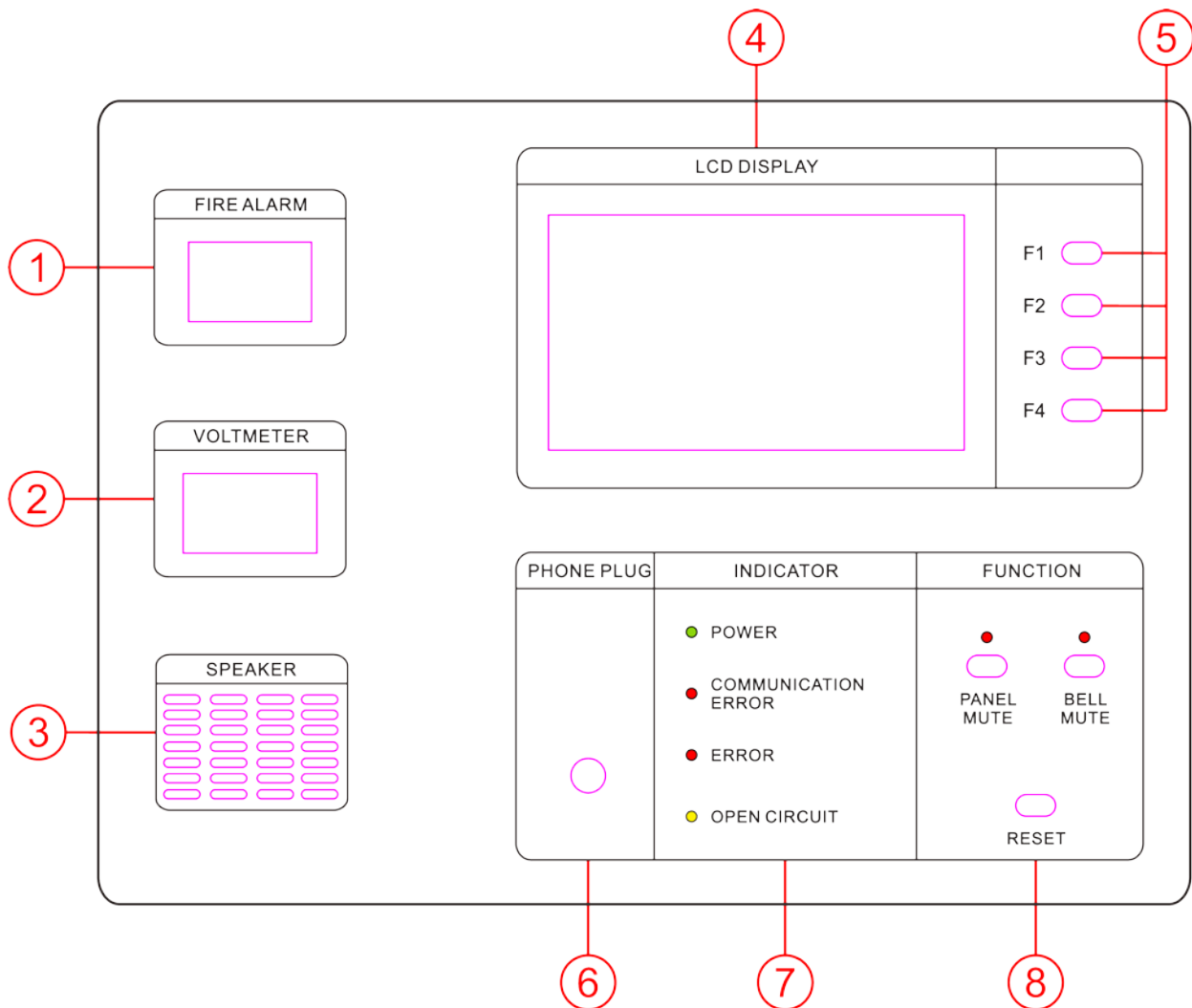
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External Dimensions Drawing



A. Name of Main Panel Sections



1. Fire Indicator : Indicating fire alarm

2. Volt Indicator : Indicating main power voltage

3. Audio Device : Annunciator audio ◦

4. Alarm Display : LCD display in English ◦

5. Function Key : Operation button for LCD screen ◦

6. Phone Plug : Jack for zone phone ◦

7. Status Indicator : General status light of Annunciator ◦

8. Control Buttons : Operation button ◦

B. Description of Indicator Lights in the Status Section

1. Power Indicator:

The light is lit when the main system is using external AC power as the main power source; and the light is off when AC power is removed. (Allowable voltage range is plus and minus 10% of nominal.)

2. Communication Error:

This light flashes when abnormality is detected in the main panel.

3. Error:

This light flashes when abnormality is detected in the main panel or in the fuse.

4. Open Circuit:

This light flashes when the loop in the main panel is off-line.

C. Description of Switches in the Function Section

1. Main Audio Switch:

Innate alarm sounds of the annunciator include fire alarm sound, disconnection sound, or synthesized vocal. When the annunciator receives a disconnection or fire alarm signal, the main audio will sound; and when this switch is pressed, main audio sounding is paused and the not-localized indicator light above the switch flashes (subsequent re-sounding mode).

2. Local Audio Switch:

Press this switch, then can turn of all linkage function including: Local audio, gate, buzzer, broadcast report, air impeller, and

solenoid.

3. Complete Reset Switch:

Pressing this switch sets all main panel and annunciator statuses to reset mode.

D. Specifications

Specifications Table

Item	Specification
Main Power Supply	AC110V 50/60Hz 、 AC220V 50/60Hz
Standby Battery	DC24V
Main/Sub-panel Communication	Use RS-485 for 800M, optical fiber up to 40KM
Loop Voltage	Load power / Zone telephone: DC24V
Main Audio	Synthesized sound, vocal, or alarm sound (over 90 dB)
Temperature Range	0~40°C
Cabinet Material	Powder coating steel

E. Simply Troubleshooting

1. No power lamp indicator:

Check the AC power supply and standby power supply is normal. Main power board AC power switch and standby power switch are turned (ON). Check AC power fuse of main power board is not breakdown.

2. LCD reveals circuit disconnection/fire alarm:

Please check external address device (repeater) in advance then check line and detector of back terminal.

3. Switch not in position lamp flashes:

Press the ON/OFF switch again to return output function.

4. Communication error lamp:

Check the communication status table on LCD, then check is communication line damaged or address device (repeater) is disconnection on the spot. If out of above condition, please contact distributor or manufacturer.

F. Note of Maintenance

1. When the annunciator is in standby monitoring mode: AC power indicator light is lit, backlight power-saving function of the LCD is on, no indicator lights are lit.
2. At least two annual maintenances are suggested every year to ensure the proper functioning of the devices.
3. Please promptly service and repair devices when malfunctioning is noted or when the outer equipment becomes damaged to avoid compromising normal operations or resulting in subsequent damages.
4. Please contract professional organization(s) or relevant qualified maintenance personnel to test the devices. Tests should be recorded and reported to relevant authorities for reference to guarantee the safety of the public. The below test items are for reference:
 - ① Power: AC power and stand-by power performance are normal. Stand-by battery storage is normal as well.
 - ② Fire alarm/disconnection test:

Under normal operation, the panel automatically detects the main panel. When abnormality is detected, please promptly inspect and repair the device(s). External circuit test by inspecting lines on the spot to ensure monitoring for each circuit point is normal.
 - ③ Check the lamp and display of operation panel are normal.
 - ④ Check the switch, visual, and audio indicators on the operation panel are normal.

- ⑤ Check previous alarm data records to track any error happened.
 - ⑥ External equipment linkage test.
5. Maintain the surrounding environment of devices and avoid locations with high humidity, high temperature, or unstable power or voltage (excessive voltage) to guarantee the working life of the electronic parts.
6. Keep LCD window clean.

G. Note of Installation

1. Please make sure the AC current voltage before turn on the power.
2. Please turn off battery switch when disassemble battery. Confirm polarity of stand-by battery and correctly install on the terminal base.
3. The unit is required to connect ground certainly.
4. During the testing, turn off AC power switch then also turn off stand-by power switch to avoid battery overcharging.

H. Wiring Diagram

