

HY2711E

Conventional Fire Telephone Control Panel

The HY2711E conventional fire telephone system is a communication control panel for fireman communication.



Features

- The main unit can be connected with up to 40 extensions at most. Each extension has two independent conversation lines.
- The main unit is divided into different models of 8, 16, 24, 32, and 40 channels according to capacity.
- The system conducts real-time automatic inspection and monitors each conversation line in real time. In case of open circuit or short circuit faults, it gives an alarm in time.
- When an extension is off-hook and makes a call, the main unit responds to the call in time.
- The main unit uses liquid crystal display to intuitively display various functional operations and call status.
- A large-capacity FLASH memory is used in the main unit, which can store more than 9 hours of conversation recordings and 500 call and conversation records, and can accurately record the time, type and content of each extension's call and conversation.

General Information

The HY2711E conventional fire telephone system is a communication device dedicated to firefighting. The system consists of the HY2712D fire telephone extension, the HY2714D fire telephone jack, the HY2713 portable extension, an external DC24V DC power supply, and a 24V backup battery.

Specification

- Power supply: DC 24V $\pm 10\%$, maximum working current is about 0.5A.
- Line resistance (including wire resistance and contact resistance at connection points) shall not exceed 70 ohms at most.
- Capacity of main unit: up to 40 extensions.
- Line length: up to 1500 meters.
- Power consumption of extension: monitoring current $< 0.3\text{mA}$; conversation current $< 30\text{mA}$.
- Voice frequency range: 300 ~ 3400Hz.
- Voice transmission loss: $< 5\text{dB}$.
- Appearance structure: Adopt 3U standard rack-mounted structure.
- Dimensions and weight
Width: 482.6mm
Height: 132.5mm (3U standard)
Thickness: 225.0mm
Weight: 7.0kg
- Ambient temperature: 0 - 40°C
- Relative humidity: $\leq 95\%$.

Compatible Models

| Model | Description |
|------------|---|
| HY2711E/8 | Panel Supports 8 Channel ^[1] |
| HY2711E/16 | Panel Supports 16 Channel |
| HY2711E/24 | Panel Supports 24 Channel |
| HY2711E/32 | Panel Supports 32 Channel |
| HY2711E/40 | Panel Supports 40 Channel |
| HY2712D | Fire Phone Extension |
| HY2713 | Portable Extension |
| HY2714D | Phone Jack |

[1] Each channel supports to connect 2 extensions OR 20 phone jacks.

Wiring and Installation

- For system wiring, the conductor used is preferably a two-color twisted pair with a cross-sectional area of not less than 1.0mm². If a shielded wire is used, the shielding layer wires of all circuits should be connected to the "chassis ground E" terminal. For wiring length, from the telephone main unit to the farthest extension, the wire length should not exceed 1500 meters. The line resistance (including wire resistance and contact resistance at connection points) shall not exceed 70 ohms at most.
- In the telephone system, the voice signal transmitted by the line is a small-amplitude analog signal, which is extremely vulnerable to spatial radiation interference and signal interference from alarm systems, broadcasting systems, etc. Therefore, when wiring on site, the threading conduit of the telephone system should be laid independently. Do not thread wires in the same conduit as the lines of alarm systems, broadcasting systems, etc. This can ensure clear voice quality.



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