

DHI-HY-1901

Fire Telephone Panel



- Compact & Installation: Space-saving design for effortless deployment
- Interface: Color LCD display with silicone keypad for intuitive operation
- Wiring: Non-polarized 2-wire bus (127 address capacity); compatible with twisted-pair/parallel/shielded cables
- Capacity: Supports 1,000–5,000 points via bus telephone jack terminals
- Audio: Proprietary voice enhancement for superior SNR; full-duplex communication (5 extensions concurrently)
- Protection: Integrated short-circuit protection; isolated DC-DC power (24V input)

System Overview

The Fire Telephone System is a dedicated communication system that connects the fire control center with critical areas of a building. Comprising a central control unit, multiple extension terminals, and transmission cabling, this system ensures reliable communication during fire emergencies.

Functions

Dual Topology Mode

Standard Mode: Connect HY-1910 handset and HY-1930 jack to bus terminals, then link to HY-1931 or manual call point. Initiate calls by removing the handset or inserting HY-1920, then hang up after use.

Simplified Mode: Directly connect DHI-HY-1910 to bus or DHI-HY-1931/manual call point (address 127; panel cannot call this address). Eliminates intermediate jacks and handset counting—only total current matters. Both modes require DIP switch addressing and manual unplugging to end calls.

Composite Remote Bus Technology

User-friendly contact management function. "Composite Remote Bus" technology, using 1.0mm² RV twisted pair cable, achieves effective communication up to 6000 meters without repeaters.

Scene

Typically installed in the fire control room (or the security office if no dedicated fire control room exists), it allows for immediate emergency alerts to the central monitoring station and fire response teams.

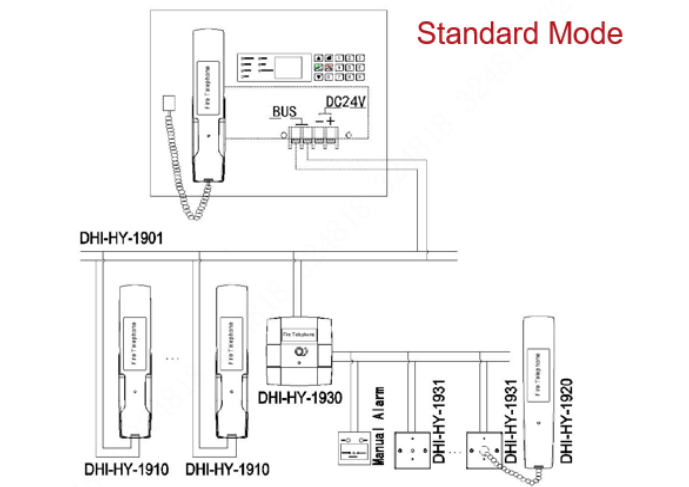
Technical Specification

Working Voltage	DC 24V, extendable to AC 170-265V
Current	Static current < 150mA, Max current < 1A
Bus Voltage	Max. 500mA
LCD Screen	160×128 Color Graphic Dot Matrix Display
Handset Address	1- 127
Call Audio Range	300Hz – 3400Hz
Transmission Loss	< 5dB
Max Line Impedance	80Ω(200mA) 160Ω(100mA) 320Ω(50mA)
Communication Distance	6000m (Minimum Bus Termination Voltage ≥ 16V DC)
Dimension	318mm×129.5mm×245mm

Ordering Information

Type	Model	Part Number
Fire Telephone Panel	DHI-HY-1901	1.0.99.11.10078
Fixed Telephone Handset	DHI-HY-1910	1.0.99.11.10079
Telephone Mobile Handset	DHI-HY-1920	1.0.99.11.10082
Bus-type Fire Telephone Jack	DHI-HY-1930	1.0.99.11.10080
Multi-line Fire Telephone Jack	DHI-HY-1931	1.0.99.11.10081

System Overview



Dimensions (mm/inch)

