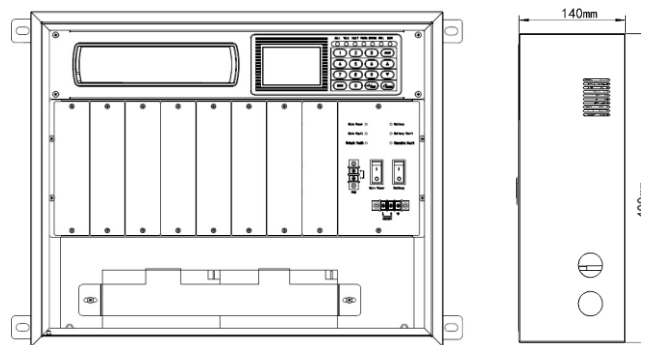


### Description

The **UPI-850TE** fireman intercom control panel has been specifically designed and developed as a vital life safety communication tool for fire emergencies. It utilizes two-wire BUS technology and serves as a critical component of fire control systems in both buildings and public spaces. This panel features a wall-mounted enclosure, a fire phone switchboard, and a 5A power supply for fire equipment. It is characterized by low power consumption, excellent call quality, a user-friendly menu-driven interface, and high reliability. The UPI-850TE fireman intercom control panel accommodates up to 170 total addresses, which includes a maximum of 170 extension addresses. Additionally, the control panel is equipped with an integrated memory card that can record calls for over 3 hours. It has a maximum capacity to store 1,000 events and can log in either automatically or manually. The UPI-850TE fireman intercom control panel can be interconnected with other UPI-850TE panels using the UPI-800NR network module, allowing for a maximum of four control panels. The network employs a star connection topology. With its seamless networking capability, any fire intercom host within the system can communicate with any fireman intercom control panel and its extensions, while all fire telephone extensions and jacks can directly contact the switchboard through call transfer. The system is designed to facilitate communication and coordination with the central control room during fire or emergency situations. In the event of an emergency at the application site, personnel can swiftly reach out to the central control room via the system. Additionally, the central command system can receive emergency information from other systems, effectively dispatch and direct on-site operations through the fire alarm broadcast communication system, and promptly manage or evacuate personnel through the broadcast system.

### Features

- 1.Voice call function: Making and receiving calls.
- 2.Multi-party call function: a maximum 5 devices at the same time.
- 3.Automatic recording function and replay: outgoing call or incoming call, for future fire analysis.
- 4.Event recording function: built in memory card, supports more than 3 hours of recording such as the incoming, outgoing, connected, hung up time and address information of each call.
- 5.Equipment registration function.
- 6.Fault alarm function: When the shortcut circuit state is removed, the power supply of the fire telephone BUS will be restored automatically.
- 7.BUS short circuit protection function, it will generate a sound and voice alarm.
- 8.BUS power supply function : provides power to fire telephone extension, jack and other devices through the BUS.



- 9.Information query function: can query all records, recordings, registration list, registered device type and other information.
- 10.System operational level functions : has three operation levels, level 1 to level 3.
- 11.Networking : supports 4 units of UPI-850TE transfer only.
- 12.Call Transfer.
- 13.Configurable system setup programming menu and sub-menu driven screens: home screen includes 8 main menu icons.
- 14.Networking screen is used to set the networking function of the firemen alarm control panel.
- 15.Communication with copper wire distance: 2000m.
- 16.Back-light keyboard.
- 17.Graphical user interface and password user menu control.
- 18.Adopts two bus communication.
- 19.Support 170 addresses.
- 20.Soft touch keypad for incoming call answer and call hang up buttons.
- 21.Panel chassis with protection level IP43, thickness 150mm.
- 22.Encode the extension on the host interface, with a description length of up to 24 English characters.
- 23.5A Power supply (battery not included).

### Technical Specifications

Supply voltage: AC220V 50Hz.

Rated power: ≤ 30W (full load).

Frequency response: 300~3400Hz (±3dB).

Transmission attenuation: ≤5dB.

Support address range: 1 to 170.

BUS voltage: DC18V~DC28V.

Bus type: 2-wire BUS technology.

Recording time: ≥3hrs.

Event record: 1000.

Dimensions: 530mm×400mm×140mm.

Copper wire communication distance: 2000m.

Total output current: 300mA~500mA.

Fiber interface: LC (UPI-850TE-O Fireman intercom control panel, fiber version).

Optical fiber type: Single mode; single optical fiber.

Fiber communication distance: 20km for model UPI-850TE-O.

Insulation resistance: Input end and box ≥50MΩ. BUS and box ≥20MΩ.

Leakage current: The leakage current is less than 0.5mA at

1.6 times the rated input voltage.

The optimal ambient temperature: -10 °C to 40 °C, with a relative humidity of ≤ 90% RH

