

PTW-1000TE

Firemen Alarm Control Panel

Description

PTW-1000TE firemen alarm control panel is designed and developed for life and safety fire emergency communication product using two-wire BUS technology and widely used as an important equipment for fire control system in buildings and public places. It includes a wall mounted box, fire telephone switchboard, 5A fire equipment power supply. The system has the characteristics of low power consumption, high call quality, with easy to use menu driven feature and high reliability. PTW-1000TE fireman telephone control panel can addressed up to 255 addresses in total, including maximum 255 extension addresses. The PTW-1000TE control panel recording time is 30 minutes with a maximum storage of 200 events. The System can log in automatically or manually. PTW-1000TE firemen alarm control panel can be networkable with other multiple PTW-1000TE firemen alarm control panels by using PTW-100NR network module, with a maximum of 30 control panels. The network topology configuration is star connection. With seamless networking feature, any fire telephone host in the system can call any firemen alarm control panel and extension in the system, and any fire telephone extension and jack can call switchboard in the system through call transfer.

The system is suitable for communication and dispatching with the central control room in case of fire or emergency situation. When an emergency occurs at the application site, the site personnel can quickly contact the central control room through the system, or the central command system can get emergency information from other systems, dispatch and command the site through the fire alarm broadcast communication system, and quickly commands or evacuate personnel through the broadcast.

Feature

- Voice call function: Making and receiving calls.
- Multi-party call function: a maximum 10 devices at the same time.
- Automatic recording function and replay: outgoing call or incoming call, for future fire analysis.
- Event recording function: record the incoming, outgoing, connected, hung up time and address information of each call.
- Equipment registration function.
- Fault alarm function: When the shortcut circuit state is removed, the power supply of the fire telephone BUS will be restored automatically.
- BUS short circuit protection function, it will generate a sound and voice alarm.
- BUS power supply function : provides power to fire telephone extension, jack and other devices through the BUS.
- Information query function: can query all records, recordings, registration list, registered device type and other information.
- System operational level functions : has three operation levels, level 1 to level 3.
- Networking : supports 30 units of PTW-1000TE.
- Transfer only.
- Call Transfer.
- Configurable system setup programming menu and sub-menu driven screens: home screen includes 8 main menu icons.
- Networking screen is used to set the networking function of the firemen alarm control panel.
- Communication with copper wire distance: 3000m.
- Back-light keyboard.
- Graphical user interface and password user menu control.
- Adopts two bus communication.
- Support 255 addresses.
- Soft touch keypad for incoming call answer and call hang up buttons.
- 5A Power supply (battery not included).



Technical Specifications

Supply voltage: AC220V 50Hz.

Maximum power: 60W.

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

Transmission attenuation: ≤ 5 dB.

Support address range: 1 to 255.

BUS voltage: DC18V~DC28V.

Bus type: 2-wire BUS technology.

Recording time: 30 minutes.

Event record: 200.

Dimensions: 520mm×360mm×201mm.

Copper wire communication distance: 3000m.

Total output current: 300mA~500mA.

Fiber interface: LC (PTW-1000TE-O Firemen alarm control panel, fiber version).

Optical fiber type: Single mode; single optical fiber.

Fiber communication distance: 20km for model PTW-1000TE-O.

Insulation resistance: Input end and box $\geq 50\text{M}\Omega$.

BUS and box $\geq 20\text{M}\Omega$.

Leakage current: The leakage current is less than 0.5mA at 1.6 times the rated input voltage.

***NOTE:** PTW-1000TEOT contains optical transceiver function.

PTW-100TB

Firemen Cradle

Description

The PTW-100TB firemen cradle is powered by the 2-wire fire telephone communication bus system, and it support non-polarize connection. The PTW-1000TE firemen alarm control panel can receive incoming call directly when PTW-100TB extension handset is off-hooked from the cradle base, without any other control. PTW-100TB firemen cradle is equipped with EXT terminal, which can be used to extend or connect multiple fire telephone extensions, jacks, and telephone jack with manual alarm button, on the same 2-wire fire telephone communication bus system between multiple fireman telephone equipment and bus PTW-1000TE control panel. On the top left hand corner of the fireman telephone extension cradle base there's a red LED talk indicator that flashes when incoming call established communication with the PTW-1000TE control panel, and when the host PTW-1000TE call the PTW-100TB extension unit, the red LED indicator flashes and buzzer tone sound intermittently and when the handset call is pick up from the base cradle the red LED will remain steady during the answered talk incoming call.



PTW-100TB Front

Feature

- On the reverse back of the base cradle, there are two rotary switches settings for uniquely to address each PTW-100TB extension unit.

Technical Specifications

Address range: 1~255.

Power supply mode: Bus power supply.

Communication Bus: PDA-BUS.

Standby current: <5mA.

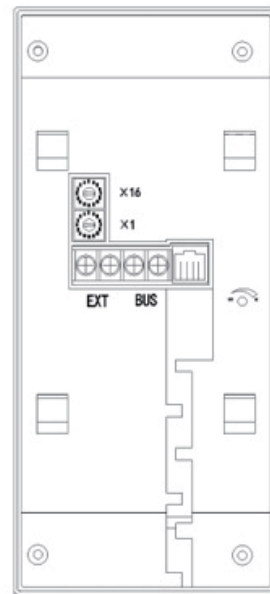
Speaking current: <20mA.

Operation environment temperature: 0~40°C.

Components temperature rise: <50°C.

Dimension: 196mm×88mm×50mm.

Weigh: 300g.



PTW-100TB Rear of base cradle