

PTW-1000T

Addressable Fire Telephone System (Wall-Mounted)

PTW-1000T is an addressable networking tele-communication system dedicated for fire fighting or emergency communications situation. The system consist of PTW-1000TE wall-mounted main controller unit, which work with PTW-100TB/PTW-100TH addressable field devices; and also contains PTW-100NR networking router. The system adopts 2N non-polar bus-line technology, which only requires two-line for bus-communication. The system supports networking up to 10 units of PTW-1000TE main sets to establish a interconnected full-duplex fireman telephone system, which is perfectly suitable for medium to large scale building complex sites with multiple-control centers.

Configuration Components Guideline:

- PTW-1000TE: Addressable Networking Fire Telephone Exchange
- PTW-100TB: Addressable Fire Telephone With Cradle Base
- PTW-100TH: Firemen Telephone Handset With Phone Jack Cord
- PTW-100TJ: Addressable Fire Telephone Jack
- PTW-100WBX: Fireman Telephone Waterproof Box
- PTW-100PBX: Fireman Telephone Protective Box
- PTW-100NR: Network Router



PTW-1000TE

Addressable Networking Fire Telephone Exchange

PTW-1000TE wall-mounted main controller is an integrated addressable networkable fireman telephone ex-change panel, inclusive of internal power supply unit, with power status indication front panel and back-up battery.



Parameter

- Bus voltage: 18VDC ~ 28VDC
- Frequency response: 300 ~ 3400Hz (± 3 dB)
- Transmission loss: ≤ 5 dB
- Maximum number of addressable extension or socket that can be carried: 256 addresses
- Maximum recording time: 20 Minutes
- Power supply voltage: 187VAC ~ 242VAC, 50Hz ± 1 Hz
- Power consumption: holding state ≤ 60 mA (220VAC) Full capacity state ≤ 2 A
- Charging current: ≤ 1.5 A
- Distance of bus-line (RVS1.5mm²): 3,500m
- Battery back-up capacity: 12VDC/4Ah \times 2 pcs
- Appearance dimension: 475.5mm(L) \times 400mm(W) \times 143mm(H)
- Weight: 7.7kg (Without Batteries)

Features

- Stylish design.
- Provide mute option.
- Powerful call recording and event logging.
- 2N bus-line output, full load with 127 addressable field devices.
- Up to 10 sets of PTW-1000TE can network via PTW-100NR.
- Unique PROTECTWELL BUS-Line communication technology.
- Real-time monitoring for short or open circuit line supervision.
- Built-in integrated power supply and can work independently in case of fire.
- Supports multi-channel incoming communication calls received handling.

PTW-100TB

Addressable Fire Telephone With Cradle Base

- Adopt 2N bus-line connection, addressable (0~255) fire telephone extensions.
- Work with addressable fire telephone exchange PTW-1000TE.
- After installation, direct rapid call can be made simply by off-hook.
- Once off-hook, people in the location can rapid call to telephone exchange.
- Has LED indicator for short or open circuit alert.

Parameter

- Operating voltage: 15~32VDC
- Maximum current: 2.5mA @24 VDC
- Working temperature: -10℃~60℃
- Relative humidity: 5%~95%, non-condensing
- Appearance dimension: 201mm(L)*87mm(W)*64mm(H)
- Weight: 300g



PTW-100TH

Firemen Telephone Handset With Phone Jack Cord

- This telephone handset works with PTW-100TJ conventional fireman telephone jack.
- Offers high flexibility to operating.
- Direct call will be made simply by plug-in to any telephone jacks.
- Once plug-in, people on spot can rapid call to fireman telephone exchange.

Parameter

- Rated current: Standby: ≤2.0mA, Talking: ≤25mA
- Frequency response: 300~3,400Hz
- Rated voltage: Standby: 15VDC~26VDC, Talking: 5.6VDC
- Jack plug size: φ6.5 x 31mm
- Working temperature: 0℃~40℃
- Operating humidity Range: ≤90%RH, non-condensing
- Appearance dimension: 196mm(L)*47mm(W)*35mm(H)
- Weight: 120g



PTW-100TJ

Addressable Fire Telephone Jack

- Adopt 2N bus-line connection, addressable (0-255) fireman telephone jacks.
- Work with addressable fireman telephone exchange PTW-1000TE.
- Direct call will be made simply by plug-in telephone handset PTW-100TH.
- Once plug-in handset, people in the location can rapid call to telephone exchange.
- Have front LED indicators, for display standby or engage talk status.



Parameter

- Rated current: Standby: $\leq 2.0\text{mA}$, Talking: $\leq 40\text{mA}$
- Frequency response: $300 \sim 3,400\text{Hz}$
- Bus-line voltage: Standby: $18\text{VDC} \sim 28\text{VDC}$
- Pitch-row: "86" wiring embedded box or surface mounted
- Working temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- Operating humidity Range: $\leq 90\%\text{RH}$, non-condensing
- Appearance dimension: $86\text{mm(L)} \times 86\text{mm(W)} \times 40\text{mm(H)}$
- Weight: 300g

PTW-100WBX

Fireman Telephone Waterproof Box

- Wall mounted type with dedicated locker, fulfill with GB-16806-2006 national fire telephone system standard.
- Providing anti-corrosion protection, coating with red color.
- Able to accommodate 1pc PTW-100TE fire telephone with cradle base.

Parameter

- Appearance dimension: $260\text{mm(L)} \times 150\text{mm(W)} \times 70\text{mm(H)}$
- Installation pitch-row: $\phi 4 \times 4, 120\text{mm} \times 210\text{mm}$
- Installation mode: Wall Mounted
- IP Class: IP65



PTW-100PBX

Fireman Telephone Waterproof Box

- Wall mounted type with dedicated locker, fulfill with GB-16806-2006 national fire telephone system standard.
- Providing anti-corrosion protection, coating with red color.
- Able to accommodate 1pc PTW-100TE fire telephone with cradle base.

Parameter

- Appearance dimension: 260mm(L)*150mm(W)*70mm(H)
- Installation pitch-row: ϕ 4x 4, 120mmx 210mm
- Installation mode: Wall Mounted
- IP Class: IP30



PW-100NR

Network Router

- Applicable multiple PTW-1000TE networking, which realize bridging and networking voice and digital signal.
- No additional external power.
- Isolated design, to minimize crosstalk noise.
- One side is designed to connect to central control fireman exchange unit, while the other side connects to other fireman exchange units. Network Router has LED indicator to show short or open circuit trouble warning.
- Metal case housing, not easy to break or damage, has strong shock resistance and resist to anti-jamming signal capability.



Parameter

- Bus mode: PTW-BUS (2N-BUS)
- Bus voltage range: 18VDC~ 26VDC
- Power consumption: <20mA (each side)
- Side A/B acquiesce address: Codes 0-255 (modifiable by exchange)
- Working temperature range: 0°C~ 40°C
- Components temperature rise: Key components<50°C