



# TN7000

## Fire Telephone Control Panel

### Feature and Benefits

- Non-polarized two-wire for communication and talk, cost effective for wiring.
- Connect up to 100 TN7100 Addressable Fire Extension Telephone, talk with maximum 3 extension telephones simultaneously.
- Support up to 9-hour recording of talk.
- Provide 999 different kinds of messages which can be searched by type or time.
- Black and white 128×64 LCD, displaying 64 characters.

### Overview

The fire telephone system is a special system for fire communication. The fire telephone system has a private circuit for transmitting signals. In the event of fire, the fire telephone system can be used to directly communicate with the fire control center. For example, the fire extension telephone(fixed) installed in the field can be lifted and the fire telephone mobile handset can be plugged into the fire telephone jack socket to talk with the staff in fire control center.

TN7000 Fire Telephone Control Panel(called telephone control panel for short) is new-developed complying with Chinese National Standard GB 16806-2006 Automatic Control System for Fire Protection. TN7000 Fire Telephone Control Panel can constitute a fire telephone system together with TN7100 Addressable Fire Extension Telephone and TN7300 Addressable Fire Telephone Jack Socket. compatibility problem.



## Technical Specification

Compliance	GB 16806-2006
Rated Voltage	24VDC (20VDC ~28VDC)
Operating Current	<600mA
Capacity	100 address points (1~100)
Voice Frequency	300Hz~3400Hz
Crosstalk Level	<-60dB
Dimension / Height	483.0 mm x 200.0 mm x 88.5 mm
Weight	3.0 Kg
Operating Temperature	0°C~+40°C
Humidity	0 to 95% Relative Humidity, Non condensing

## Internal Structure

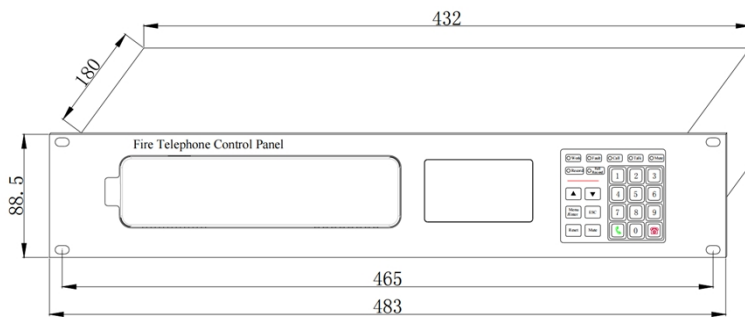
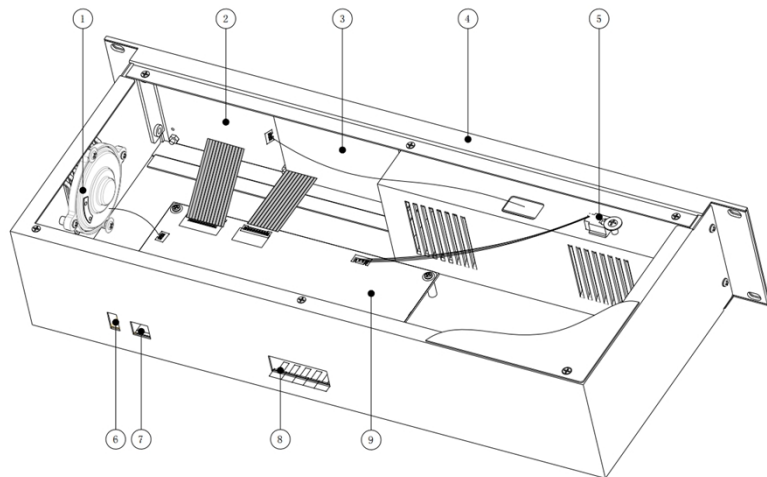


Fig. 2-1



### Terminal Description

- 1 Speaker
- 2 Display board
- 3 LCD
- 4 Front panel
- 5 Handset socket
- 6 U disk port
- 7 PC port
- 8 External terminals
- 9 Control panel



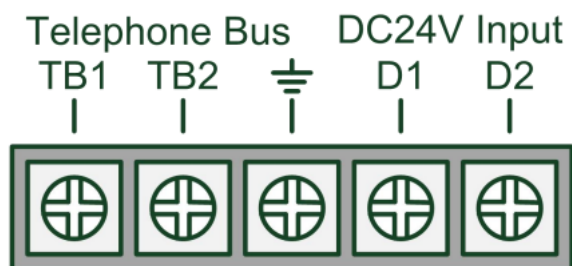


Fig.5-1

TB1, TB2: Output terminals of the telephone bus.

⏏: Earth terminal of the chassis.

D1, D2: Non-polarized 24VDC power input terminals.

24V power cord: BV  $2 \times 1.5\text{mm}^2$  or above cable.

Telephone bus: RVVP- $2 \times 1.5\text{mm}^2$  or above shielded wire are used, laid through a metal pipe or flame retardant PVC pipe.

Don't put the telephone bus, alarm bus and other communication bus in the same multicore cable.

