

TN7301

Fire Telephone Jack Socket Installation and Operation Manual



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Table of Content

1 Introduction	3
1.1 Overview	3
1.2 Features	3
1.3 Technical Specification	3
1.4 Structure	4
2 Installation and Cabling	4
2.1 Mounting	4
2.2 Terminals:	4
2.3 Wiring Requirements:	4
3 Operation	4
4 Shipment and Storage	4
5 Cautions	4

1 Introduction

1.1 Overview

TN7301 Fire Telephone Jack Socket (called the Jack Socket for short) is a telephone port installed in the field. It is suitable for hotels, restaurants, office buildings, teach buildings, banks, warehouses, libraries, computer rooms and switching rooms.

The Jack Socket can constitute a fire telephone system together with TN7000 Fire Telephone Control Panel, TN7100 Addressable Handset, TN7101 Extension Handset and TN7300 Addressable Fire Telephone Jack Socket.

1.2 Features

1. Non-polarized two-wire for supply and talk, cost effective for wiring.
2. Static power consumption is tiny.

1.3 Technical Specification

Part Number	TN7301
Standard	
Compliance	GB 16806-2006
Specification	
Operating Voltage	24V DC (Telephone bus 18V~28V)
Operating Current	≤20uA
Wiring	Connect with TN7300 Addressable Fire Telephone Jack Socket through non-polarized telephone line
End-of-line resistor	24k Ω (20k Ω ~25k Ω)
Physical	
Colour	Color of the Enclosure: white for the bottom and red for the front panel.
Dimension	L:86.6 x W:86.6 x H:56.3 mm
Weight	0.05 Kg
Environmental	
Operating Temperature	-10°C to +55°C
Relative Humidity	0 to 95% Relative Humidity, Non condensing

1.4 Structure

Fig. 1 shows dimensions and mounting of the Jack socket (unit: mm) .

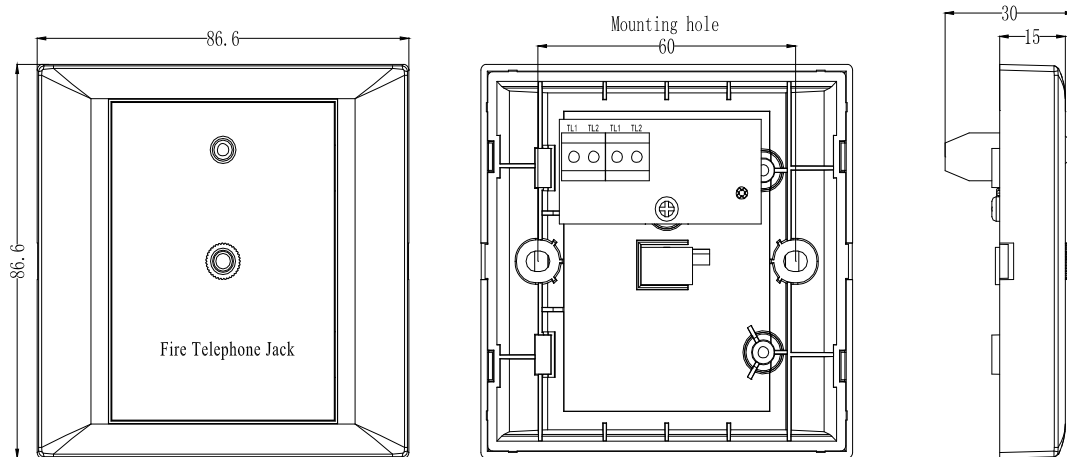


Fig. 1

2 Installation and Cabling

2.1 Mounting

The Jack socket is flush mounted, and its bottom edge is 1.3m~1.5m high from the floor. The mounting is shown in Fig. 2. The back cover of the Jack is installed on the back box in the wall using two screws (Note the direction of “Fire Telephone Jack”). Then put on the top cover to finish the mounting.

2.2 Terminals:

TL1, TL2: Terminals for telephone line, an end of line resistor is needed at the end.

2.3 Wiring Requirements:

Telephone Line: RVVP-2×1.5mm² or above shielded wire are used, laid through a metal pipe or flame retardant PVC pipe.

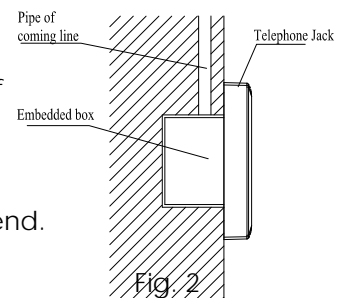


Fig. 2

3 Operation

1. LED: It flashes red in polling every about 14 seconds
2. Commission: Connect the Jack socket with the telephone line of TN7300 Addressable Fire Telephone Jack Socket. The LED should flash in polling. As an extension handset is plugged into, there should have a ring. After talking is connected, conversation with the fire telephone control panel can be received and transmitted.

4 Shipment and Storage

The Jack socket should be well packaged and gently taken to avoid damage while transporting, handling and storing. The environment for storing Jack socket should be ventilated and dry. However, open storage is not allowed in any way.

5 Cautions

1. Disconnect the power supply of the fire telephone control panel before installing the Jack socket.
2. Check if there is an end of line resistor at the end of telephone line.
3. After installing the Jack socket, please notify the relevant authority before testing or maintaining.
4. Talk test of the Jack socket should be done regularly for its normal working.