TG7100

Broadcast Control Panel

Feature and Benefits

Three start mode: auto, manual and contact input
Support multiple audio inputs, such as emergency broadcast, U disk, MIC, external line 1, external line 2
Provide MP3 and WMA formats
Supports 10-level cascaded power amplifiers
Large reserved space for broadcast sound, and broadcast sound can be synthesized and imported
Automatically detect U disk and MIC
LED for emergency broadcast
Black and white 128×64 LCD, displaying 32 characters.

Overview

The fire emergency broadcast control panel is a special system for fire communication. In the event of fire, it can make notification and evacuation fast. Complying with national standard GB16806-2006 Automatic Control System for Fire Protection (containing Modification No.1), TG7100 Fire Emergency Broadcast Control Panel constitute a emergency broadcast system together with power amplifiers, and speakers. The fire emergency broadcast control panel connects with a fire alarm control panel through RS485 or CAN to detect and alarm fire.

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Technical Specification

Compliance	GB 16806-2006(containing Modification No.1)
Rated Voltage	24V DC（20VDC ~28V）
Operating Current	≤500mA,Standby Current<100mA
MP3 Bit Rate	supporting up to 320kpbs
Audio Output	＜0dB
External Line1 Input	-10dB ,Input Impedance≥47KΩ
External Line2 Input	＜0dB
Maximum Recording Length	9-hour length recording,saving for almost 10 years,and overwriting 100,000 times
Recording Segment	up to 999
Supporting Zone	up to 210
Communication Mode	RS485/CAN
Dimension	483mm×160mm×133mm
Weight	2.9kg
Operating Temperature	0° C to +40° C
Humidity	0 to 95% Relative Humidity, Non condensing

Structure

1 Microphone is used for yelling in background mode or for evacuation in emergency broadcast mode

2 U disk port

3 The holder of the handset and the interface of the microphone

4 Volume Knob: It is used to turn up and down the sound

5 LCD

6 Functions keys (refer to 2.2 for details)

7 Zonal Keys and Indication (refer to 2.2 for details)

8 Paper Inserting

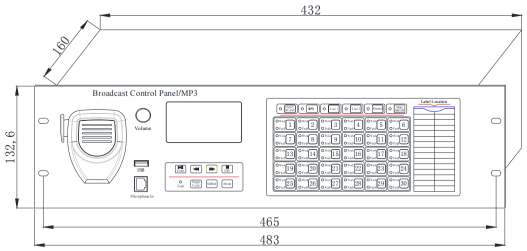

Fig. 2-1

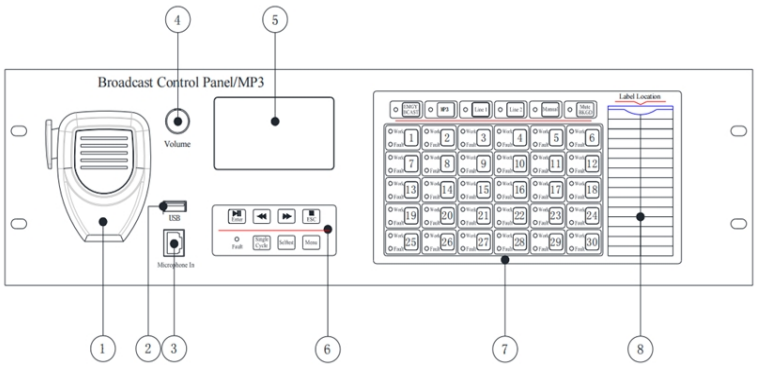

Fig. 2-2

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Terminals/Ports

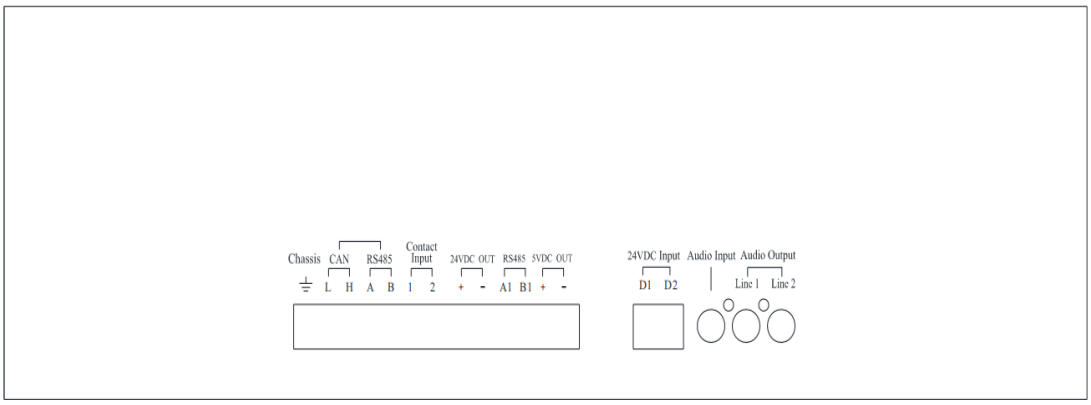

Fig. 2-4

Line1: Audio input port, attenuation 10dB, connecting with the device with LINE OUT such as a CD player, a radio and etc.

Line 2: Audio input port, connecting with the device with LINE OUT such as a CD player, a radio and etc.

Audio Output: Lotus head port, connecting with the input of power amplifier.

24VDC Input (D1,D2) : Power input, non-polarized.

5VDC OUT (+, -) : 5VDC power input terminals.

RS485 (A1, B1) : RS485 communication port, connecting to the RS485 of the power amplifier or broadcast distribution panel.

24V DC OUT (+, -) : 24VDC power output terminals, for starting the power amplifier forcedly and connecting the remote input of the power amplifier.

Contact Input: 1 and 2 are contact inputs. Shorting 1 and 2 makes the broadcast control panel in emergency broadcast mode.

Remote Communication: RS485/CAN bus, communication with a fire alarm control panel.

⏚ : Earth terminal of the chassis.