# Model：KNJB-PA08

## Product Name: Fire Linkage Broadcaster



# Description

KNTECH firefighting linkage broadcaster is suitable for tunnels, highways, high-speed railways, subways, oil drilling platforms, power plants, nuclear power, metallurgy, chemical industry, public security and other fire protection fields. This broadcaster has 5 inputs and 4 outputs, and is automatically input through MODBUS protocol. , Output various fire alarm signals. Realize the automatic linkage broadcasting of the fire protection system, broadcasting system, and telephone broadcasting system.

**IP line expansion module with input/output**

# Features

1. Link fire protection system, broadcasting system, telephone broadcasting system

through MODBUS protocol to start automatic broadcasting.

2. There are 4 broadcast groups to choose from, each button is a group of telephone broadcast systems, and each broadcast group can be configured with multiple broadcast terminals, SIP speakers or amplifier phones.

3. The quantity of terminals in each broadcast group is configured on the local web page or on the IP PBX softswitch system.

4. The input and output can be freely selected manually or automatically, and the broadcast target and broadcast area can be changed arbitrarily on the WEB interface.

5.3 groups of LED lights respectively indicate power on/successful registration/network connection.

6.4 groups of broadcast buttons, buttons with aperture display status

7. Support web page automatic upgrade, support web page to restore factory settings

8. The waterproof level of the whole machine is IP66

9. International CE/FCC/design standards

10. Outdoor use, anti-radiation, anti-interference

11. Outdoor use, high-strength lightning resistance 230-3000V

12. High-strength anti-impact current 8, 20US 2.5KA

13. Operating temperature: -25℃ - 75℃,

14. With door lock, safe and convenient for maintenance
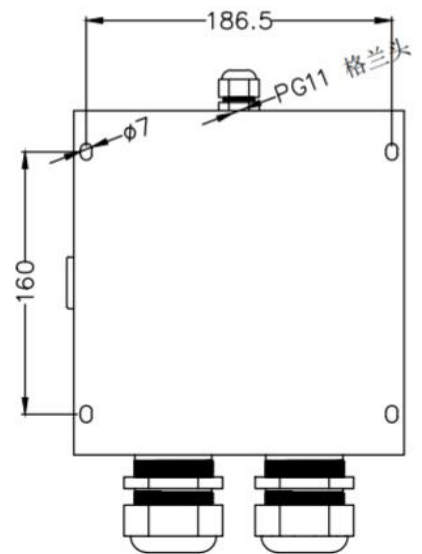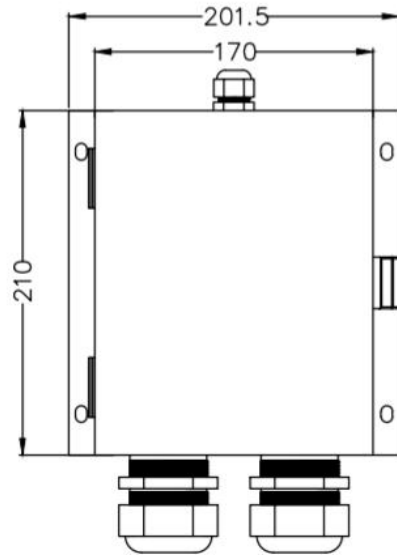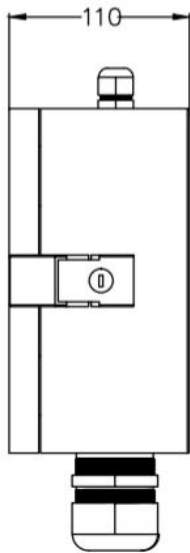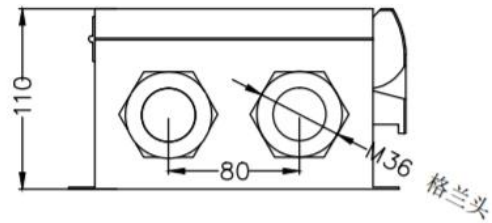
15.POE power supply or AC230V/DC12V power supply optional.

# Input and output method details

| | Manual / Auto | Input method | Connection configuration method | | output method | Output object |
|---|---|---|---|---|---|---|
| 1 | Manually select input | External audio input | 4 channels 3.5mm audio interface | ➡ | Manually select output GROUP | G1/G2/G3/G4 |
| 2 | Automatically select input | Modbus TCP network RJ45 | WEB configuration | ➡ | WEB configuration select GROUP | G1/G2/G3/G4 |
| 3 | Automatically select input | Modbus RTU RS232 | WEB configuration | ➡ | WEB configuration select GROUP | G1/G2/G3/G4 |
| 4 | Automatically select input | Modbus TCP RS485 | WEB configuration | ➡ | WEB configuration select GROUP | G1/G2/G3/G4 |
| 5 | Automatically select input | DRY CONTACT | WEB configuration | ➡ | WEB configuration select GROUP | G1/G2/G3/G4 |

# Parameter

1.  VoIP SIP2.0

2. DTMF dialing

3. MTBF100000hours                            4. MTTR: 2 hours

5. Auxiliary Contacts:1 Aux Output, dry contact      6. Rated load:0.3 A at 125 VAC; 1 A at 30 VDC

7. Contact Ratings. Load: Resistive load       8. Echo cancellation code:G.167/G.168

9. Rated carry current:1A                         10. Max.switching current:1A

11. Max.switching voltage:125 VAC,60VDC        12. Audio Codes:G.711, G.722, G.729

13. IP Protocols:IPv4, TCP, UDP, TFTP, RTP, RTCP, DHCP, SIP

14. Call Control Signaling:VOIP SIP Info(DTMF), RFC 2833(DTMF)

15. Network:10/100 BaseTX Ethernet, RJ45 connectors, Cat5e or better

16. Power:Power over Ethernet, IEEE802.3af, Class 0   Local power, 12VDc,Idle 2W, Max 10W

17. Programming:Non-volatile flash memory programming and configuration through Web GUI

18. Management and Operation:DHCP and static IP, remote automatic software upgrade, centralized monitoring, status LED

19. LAN Protocols:Power over Ethernet(PoE,802.3af), WLAN(IEEE 802.3af), Network Access Control(IEEE 802.1x),STP(IEEE 802.1d), RSTP(IEEE 802.1d-2004)

# Size：: 210X201X110mm

# KNTECH
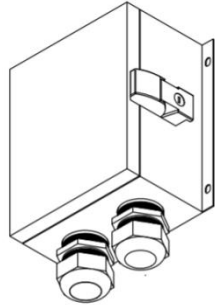
# System solutions diagram

**KNTECH** Tunnel Emergency Help Telephone Communication Broadcasting System Solution

Tunnel Command Center

Support 100 ports telephone line
Simultaneous Calls: 20% of register user
With call queue, call transfer, monitoring, forced dismantling, forced insertion, user rights management, log management, with group call, group call function
Command/broadcast/conference
Support recording function Optional

SIP SERVER KNTD-100

IP voice gateway KNXS-32

PC/computer Dispatch system software UI interface

Industrial Ethernet Switch KNPS-8-FB2

Desktop intercom KNZD-59 IP

Telephone Operator Console KNDDT-1-A21

KNJB-PA09

Fire Fighting System

| Legend | |
|---|---|
| Telephone line | |
| RJ45 | |
| Optical Fiber Cable | |
| Audio Cable | |

**Left Lane**

Constant pressure amplifier KNMK-240

KNSP-08L Loudspeaker Phone

IP voice gateway KNXS-8

Ethernet Optical Transceiver A3

Driving direction

**Right Lane**

Constant pressure amplifier KNMK-240

KNSP-08L Loudspeaker Phone

IP voice gateway KNXS-8

Ethernet Optical Transceiver A3

Driving direction