KNEM-30 SOS Emergency Intercom Station
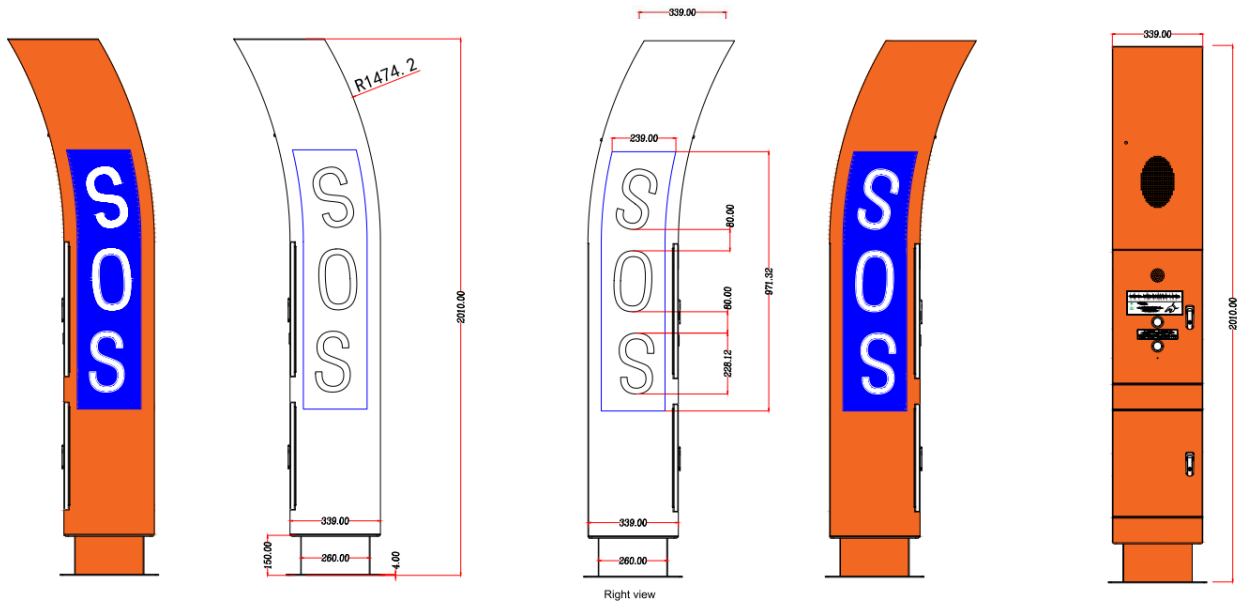
DESCRIPTION ITEM NO.ZD09A0022

1．Cold-roll steel body, vandal & tamper-resistant hardware, easy Ground installation.

2．Waterproof rating IP65~66 dust proof.

3．Built-in loudspeaker 30W for PA.

4．Hands-free backlit buttons(Optional), Built-in 3W speaker, Mic; full duplex communication.

5．Lightening protection to ITU-T recommendation K.21.

6．AC110~240V powered (Optional).

7．Temperature range from -40 degree to +70 degree.

8．Support echo cancellation.

9．Remote software upgrade, configuration and monitoring.

10．Optional 7 minute time out to release the line if the handset is left off hook . This function upon buyer's requirement).

11．Powder coated in UV stabilized polyester finish.

12．The housing covered with a layer of reflective label for easy identification at night.Optional

13．Application: Tunnel, metro, railway, LRT, speedway, marine, ship,offshore, mine, power plant, bridge etc.
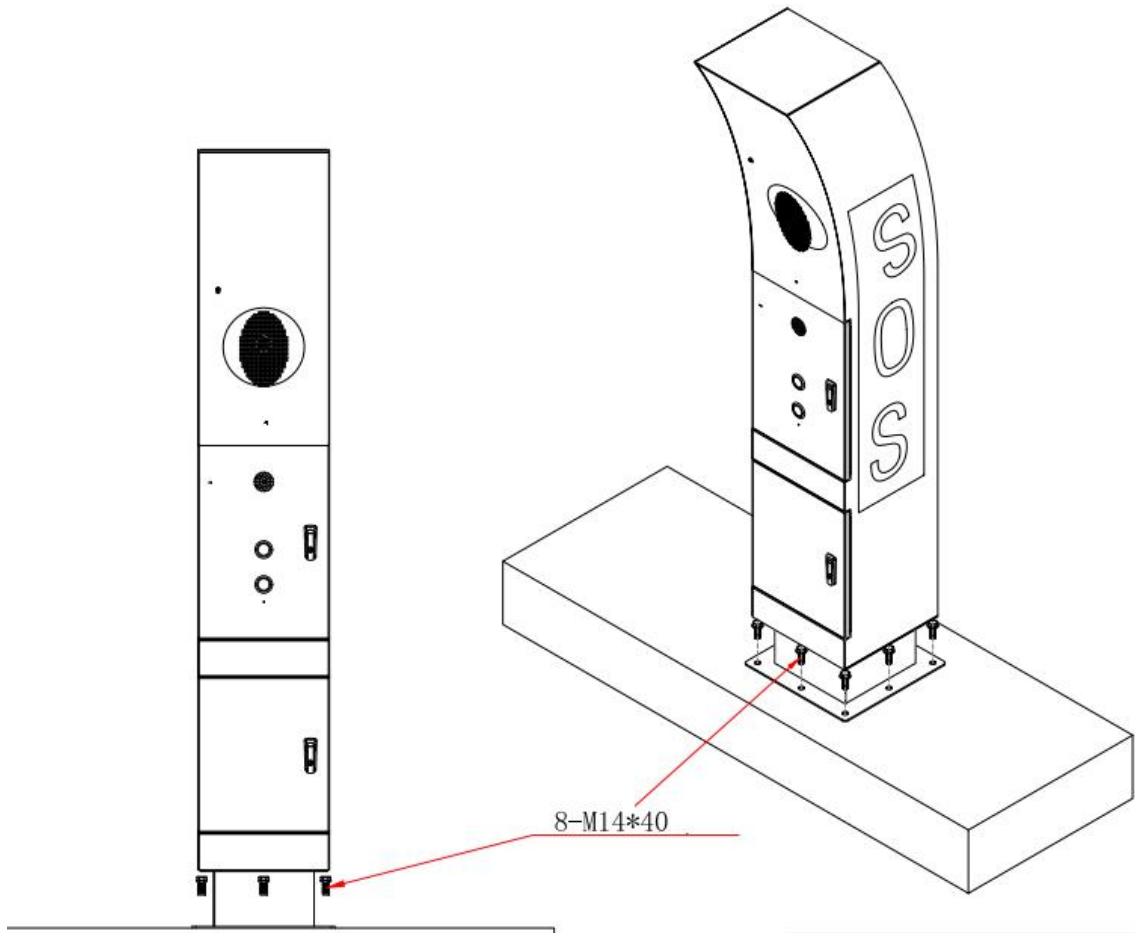
SPECIFICATION

VoIP SIP2.0 telephone   DTMF dialing

MTBF: 100000hours   MTTR: 2 hours

Hotline(maximum length of each number is 16 digits)

Communication: Full duplex 2-way hands-free communication

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

Power:Power over Ethernet, IEEE802.3af, Class 0

Local power, 12VDC,Idle 2W, Max 10W

Auxiliary Contacts:1 Aux Output, dry contact

Contact Ratings. Load: Resistive load

Rated load:0.3 A at 125 VAC; 1 A at 30 VDC

Rated carry current:1 A

Max. switching voltage:125 VAC,60VDC

Max. switching current: 1 A

Audio Codes:G.711, G.722, G.729

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

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

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)

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

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

Echo cancellation code:G. 167/G. 168

INSTALLATION

8-M14*40

CERTIFICATION

RCM: AS/NZS CISPR 32   Australian communications:AS/CA S004

Australian Equipment-safety: AS/NZS 60950. 1:2015

EMC: EN50121(Railway application-Electromagnetic Compatibility)

PACKING

Unit size:2010*400*400mm Unit: N.W :70KG

SOLUTION

KNTECH Emergency Telephone Broadcasting System

Control Room

- PC
- IP PBX Telephone Server — Model: KNTD-100
- Telephone Operator Console — Model: KNDDT-A17
- Office IP Telephone — Model : KNPL-700MPlus
- IP voice gateway — Model : KNXS-32
- Industrial Ethernet Switch — Model: KNRS-8-F82
- SNMP — Model : NMS-X1
- PSTN
- LAN

SCADA System/Security System/BMS

Remarks: About KNTECH SNMP management system integration with SCADA/Security System/BMS and so on:
- Necessary prerequisites to start the integration tasks: Interface Protocol - Private Protocol
- Definition of the necessary interfaces for the system: TCP protocol

—— **RJ45**

—— **Optical fiber**

Highway/Tunnel

- SOS station IP intercom/telephone MODEL: KNEM-30
- SOS station IP intercom/telephone MODEL: KNZD-81A
- Ethernet Optical Transceiver A4