



Regular Customer

THALES SIEMENS



Optional Induction loop
facility for hearing impaired
12V DC required

Hongkong Koon Technology Ltd
www.koontech.com

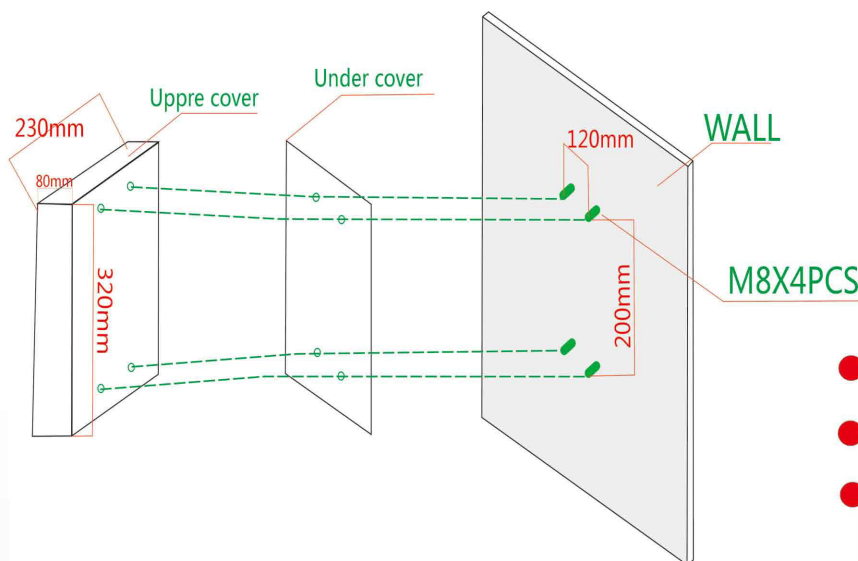


Emergency telephone **KNZD-04**



The most professional manufacture in Asia The exclusive supplier for all Metro project in China

The Weatherproof phone will be designed to work on Railway, metro, tunnel, etc. Housed in robust aluminium die case with spring loaded door, it will offer protection against the outdoor environment, vandals resistance and rot resistance. The unit will meet all the latest European/UK standards for EMC and US FCC, telephony, waterproofing, and lightening protection together with offering the level of performance and reliability demanded in such an environment.



Main Product features

1. Robust Metal body and metal keypad.
2. Full keypad with memory, 10 button or 4 button programmable speed-dial telephone, Illuminated button optional.
3. Door cover: orient automatically and good self-closing, convenient for use.
4. Weatherproof standard, service temperature range from: 0°C to +75°C
5. Magnetic reed hook-switch
6. Telephone line powered. No external power or battery back up required.
7. Lightning protection to ITU-T recommendation K.21
8. Handset: made of special engineering plastic, high anti-knock resistance, Weatherproof, armoured cable optional,
9. Hearing Aid compatible receiver, Noise canceling microphone.
10. Handset integrity wiring to enable the telephone system to check if the telephone unit is still operational.
11. Selectable 7 minute time out, to release the line if the handset is left off hook.
12. Vandal resistant and tamper-resistant hardware.
13. Easy installation/ replacement



- Standard and SMART Analogue and VoIP-SIP options available
- DTMF(Dual Tone Multi Frequency)
- Matching with most PABX,PBX and PAX systems.

Main PCB

1. Well treated PCB used inside the phone.
2. Robust screw terminals used for the connection of ringer, handset, line in, hookswitch.
3. Selectable 7 minute time out, to release the line if the handset is left off hook.
4. All connectors be greased in production.

Handset

1. Kirk electro dynamic transducer for both handset transmitter and receiver
2. Spring cable or armoured cable to attach the handset to the telephone main unit
3. Stainless steel cable to connect exchange.
4. Inductive coupler fitted for hearing aid compatibility.
5. Handset integrity wiring to enable exchange to check if the phone is still operational.

VOIC OVER IP- SIP (Version)

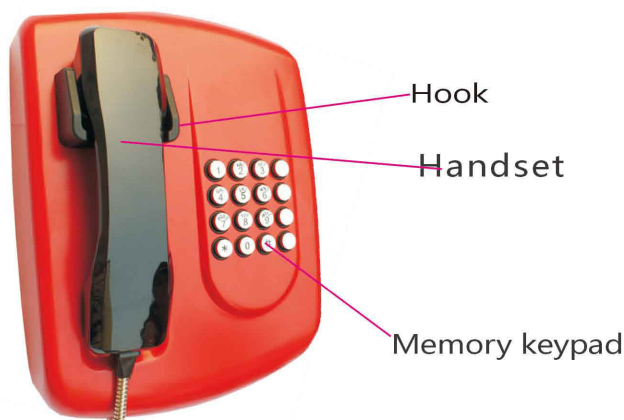
Connection type: RJ45 Socket inside sealed enclosure
Power supply: External 5V dc
Call set-up Protocol: Session Initiation Protocol(SIP)
Configuration: DHCP or STATIC IP address provisioning



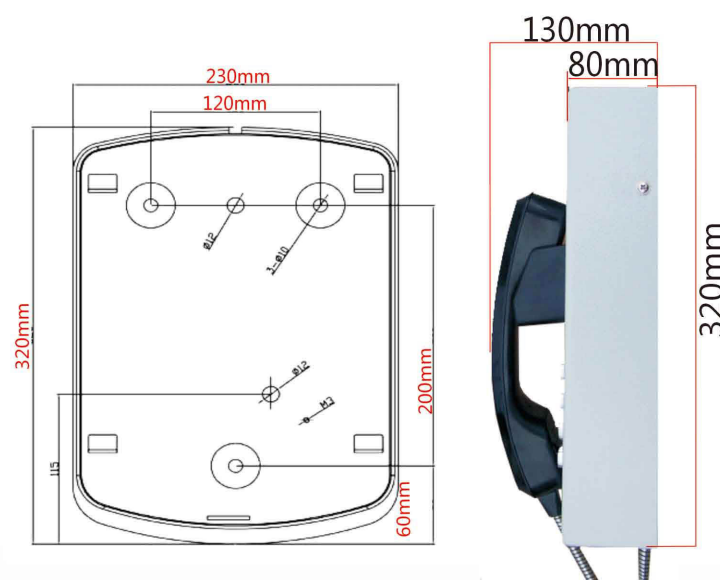
1 2 3

The most professional manufacture in Asia
The exclusive supplier for all Metro project in China

Telephone layout



Mounting bracket

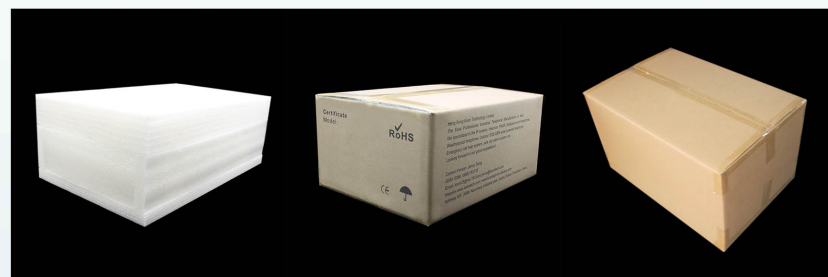


TECHNICAL SPECIFICATION

Main technical indexes :

1. Applicable for various types of SPC exchange and dispatching exchange system with feeding voltage of 33-60V.
2. Ambient temperature: -30°C~60°C.
 Atmospheric pressure: 86~106Kpa
 Circumstance noise: $\leq 60\text{dB (A)}$
3. Sound level of ringing : $\geq 70\text{dB (A)}$.
 1W speaker
4. Standard frequency : low frequency group :
 697、770、852、941Hz,
 high frequency group : 1209、1336、1477Hz,
 frequency deviation : $\leq \pm 1.5\%$
 If service line is a 3Km signal - level :
 Standard frequency : low frequency group :
 $-9\text{dB} \pm 3\text{dB}$, high frequency group : $-7\text{dB} \pm 3\text{dB}$,
 level difference between low and high
 frequency of compound signal : $2 \pm 1\text{dB}$,
 the total distortion caused by intermodulation
 of harmonic wave is lower than the basic
 level by at least 20dB.
5. Call transmission index : (5KM)SLR ≤ 12 ,RLR ≤ -1 ,
 STMR ≥ 10 , output impedance is 600 Ω .
6. Super strong function is available for dialing
 12 groups of numbers stored in the memory
 (maximum length of each number is 16 digits)

Packing detail:



Unit size: 320*230*130mm , N.W: 3.3KG

1pcs in each inner CTN box, size: 410*365 *155mm G.W: 4.8KG

4pcs in outer CTN box, size: 745 *410*330mm G.W: 20.5KG

Certification:



EMC: EN50121 (Railway application-
 Electromagnetic Compatibility)
 EN55022: emissions
 En55024: immunity

FCC
 ITU-T Recommendations K21



HONGKONG KOON TECHNOLOGY LTD

Tel: 0086755 29790158 / 27448753 Fax: 0086755 29790278 Email: koon03@vip.163.com www.koontech.com