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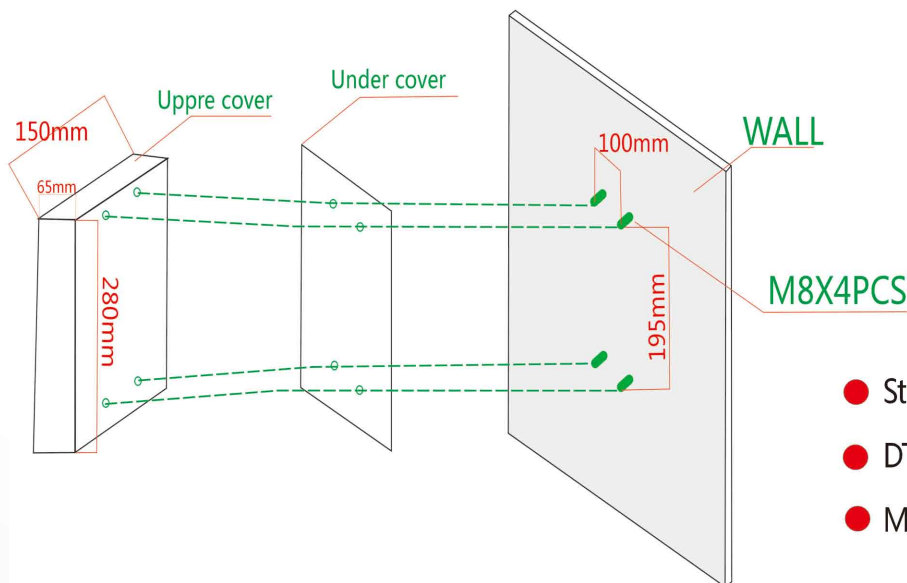


Emergency telephone **KNZD-05**



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 IP67, and lightening protection together with offering the level of performance and reliability demanded in such an environment.



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

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. Weatherproof standard, service temperature range from: 0°C to +75°C
4. Magnetic reed hook-switch
5. Telephone line powered. No external power or battery back up required.
6. Lightning protection to ITU-T recommendation K.21
7. Handset: made of special engineering plastic, high anti-knock resistance, Weatherproof, armoured cable optional,
8. Hearing Aid compatible receiver, Noise canceling microphone.
9. Handset integrity wiring to enable the telephone system to check if the telephone unit is still operational.
10. Selectable 7 minute time out, to release the line if the handset is left off hook.
11. Vandal resistant and tamper-resistant hardware.
12. Easy installation/ replacement

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)

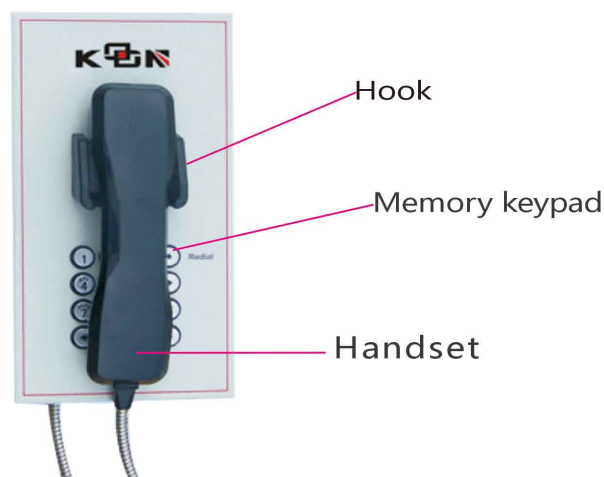
Connection type: RJ45 Socket inside sealed enclosure
Power supply: External 5V dc
Call set-up Protocol: Session Initiation Protocol(SIP)
Configuration: DHCP or STATIC IP address provisioning



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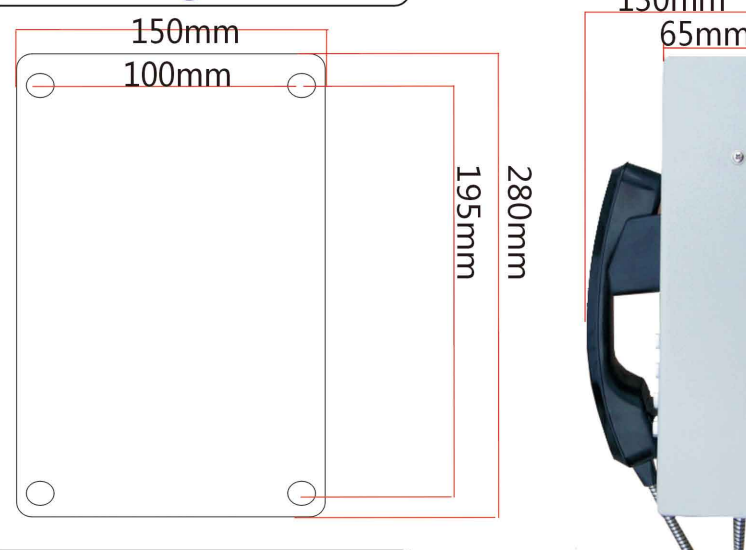
Telephone layout



TECHNICAL SPECIFICATION

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 Relative humidity:10%~95%
Atmospheric pressure: 86~106Kpa
Circumstance noise: $\leq 60\text{dB (A)}$
3. Sound level of ringing : $\geq 70\text{dB (A)}$.
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 :
-9dB \pm 3dB , high frequency group : -7dB \pm 3dB ,
level difference between low and high frequency of compound signal : 2 \pm 1dB , 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 \leq 12,RLR \leq -1, STMR \geq 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 store number is 16 digits)

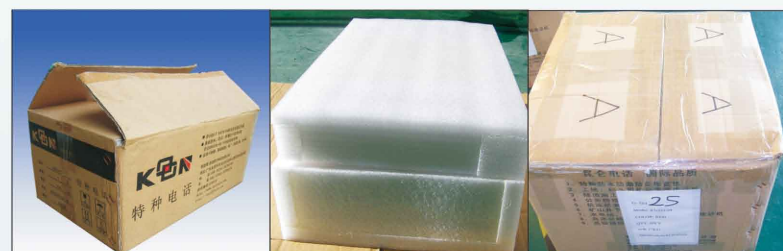
Mounting bracket



Connection cable

Stainless steel connection cable to exchange.
Well treated keep waterproof.

Packing detail:



Unit size:280*150*130mm , N.W: 2.37KG

1pcs in each inner CTN box, size: 340*235 *165mm G.W: 2.77KG

4pcs in outer CTN box, size: 745 *410*330mm G.W: 12.38KG

Certification:



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

FCC

ITU-T Recommendations K21