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Weatherproof phone **KNSP-18**

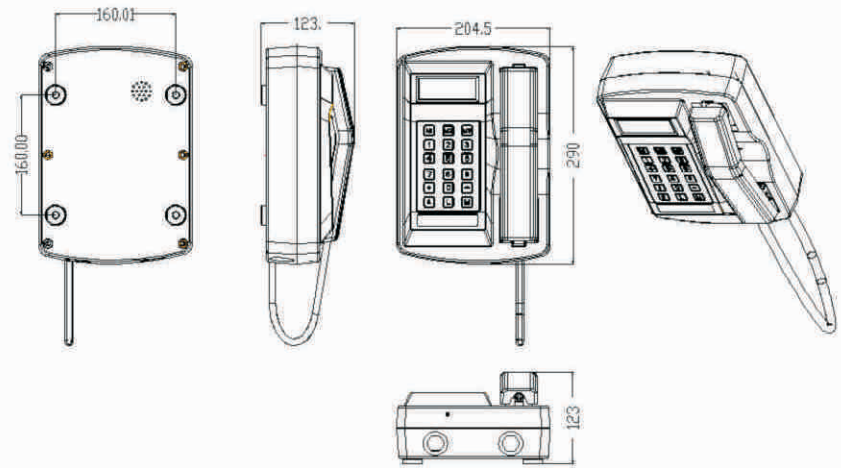
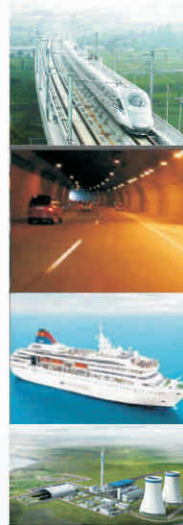




**The most professional manufacture in Asia**  
**The exclusive supplier for all Metro project in China**

The Weatherproof phone will be designed to work on Railway, metro, tunnel, etc. Housed in robust SMC body, it is suitable in outdoor environment, vandalism resistance and rot resistance.

The unit will meet all the latest European/UK standards for EMC and US FCC, telephony, waterproofing IP66, and lightning protection together with offering the level of performance and reliability demanded in such an environment.



### Main Product features

1. SMC body, vandal resistant and tamper resistant
2. Full keypad with memory, 10 button programmable speed-dial telephone, Illuminated button optional.
3. Keypad with shining painting for self illumination in dark area.
4. Weather resistant to IP66 standard, service temperature range from:  $-10^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$
5. Magnetic reed hook-switch
6. PoE-Power over Ethernet, 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
9. Hearing Aid compatible receiver, Noise canceling microphone.
10. Vandal resistant and tamper-resistant hardware,
11. Easy installation/ replacement

### Main PCB

- Well treated PCB used inside the phone.
- Robust screw terminals used for the connection of ringer, handset, line in, hookswitch.
- All connectors be greased in production.

### Handset

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

### VOICE OVER IP-SIP (Version)

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



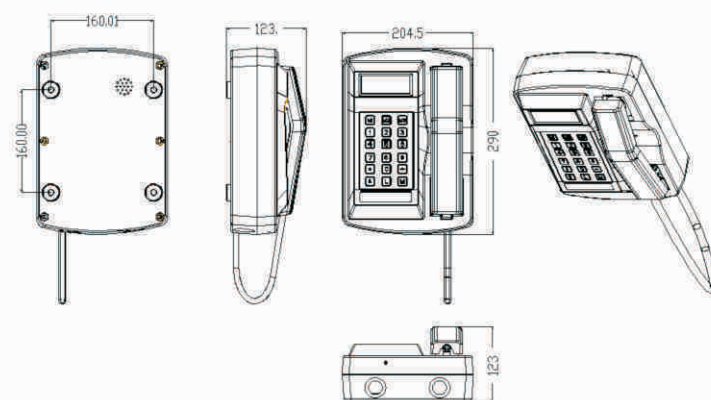


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## Telephone layout



## Mounting bracket



## Connection cable

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

## Packing detail:



Unit size: 320\*205\*120mm , N.W: 3.9KG

1pcs in each inner CTN box, size: 439 \*277 \*191mm G.W: 5.7KG

4pcs in outer CTN box, size: 566 \* 445 \*420mm G.W: 24.1KG

20GP: 1120PCS 40GP: 2240PCS 40HQ: 2640PCS

## Certification:



EMC: EN50121 (Railway application-  
Electromagnetic Compatibility)

EN55022: emissions

En55024: immunity

Ingress Protection: GB4208-93 IP 66  
FCC

ITU-T Recommendations K21

## Network Features

- WAN/LAN: support Bridge mode.
- Support PPPoE for xDSL
- support VLAN
- Support Stun penetration
- Support DHCP get IP on WAN port
- Qos supports Diffserv.
- support network tools: contain ping, trace route, telnet client

## Maintenance and Management

- The phone supports post mode, can update firmware by post mode.
- Supports different levels of administration.
- Support Boot Monitor
- Can upgrade firmware through boot monitor
- access with different authority
- support auto provisioning
- Can config through Web, Keypad, Telnet
- Can upgrade firmware and configuration file through HTTP, FTP, TFTP
- Support syslog