



## ITEM NO. KNEX8

### IP Explosion Proof Telephone with Loudspeaker and Flash Light

#### DESCRIPTION

1. Robust aluminium alloy die-cast body, vandal & tamper-resistant hardware
2. Waterproof rating IP66 dust proof.
3. Full keypad with memory, 3 button programmable telephone.
4. Magnetic reed hook-switch.
5. Heavy duty handset with hearing aid compatible receiver, Noise canceling microphone.
6. Handset with industrial strong curly cord .
7. Stainless Steel keypad keep waterproof and dusty proof.
8. The loudspeaker and flash light
9. Door cover: orient automatically and good self - closing, convenient for use.
10. Temperature range from -20 degree to +55 degree.
11. Support echo cancellation.
12. Powder coated in UV stabilized polyester finish.
13. Application: Hazardous dust and gas atmospheres, petrochemical industry, Tunnel, metro, railway, LRT, speedway, marine, ship, offshore, mine, power plant, bridge etc.

#### SPECIFICATION

Types of protection:  II 2G Ex db ib IIBT5 Gb -20°C to 55°C  
VoIP SIP2.0 telephone DTMF dialing MTBF:100000hours  
Call Control Signaling: VOIP SIP Info(DTMF), RFC 2833(DTMF)  
With built-in amplifier and with external speaker 15-30W  
With flash light  
Power supply: AC220V Or AC110V (option)  
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: 1A



Max.switching voltage:125 VAC,30VDC

Max.switching current:1A

Sound level of ringing:over 100dB(A).at 50cm distance.

speed dialing keypad:Super strong function is available for dialing 3 groups of numbers stored in the memory

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

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

IP Protocols:IPV4, UDP, DHCP, SIP

LAN Protocols:Power over Ethernet(PoE,802.3af), WLAN(IEEE 802.3af), Network Access Control(IEEE 802.1x)HTTP,HTTPS,SIP2.0

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

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

Echo cancellation code:G.167/G.168

Housing: construction robust aluminium alloy die-cast body

Unit size: 278X349X161MM

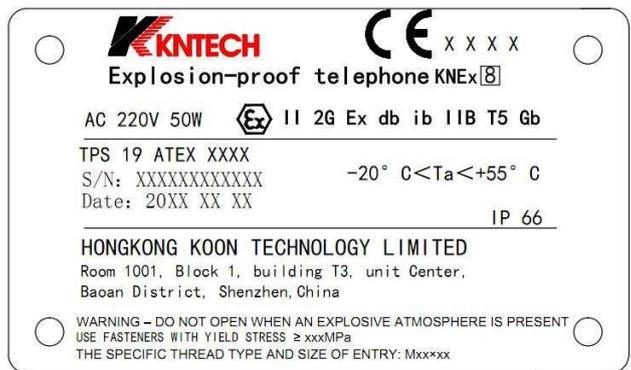
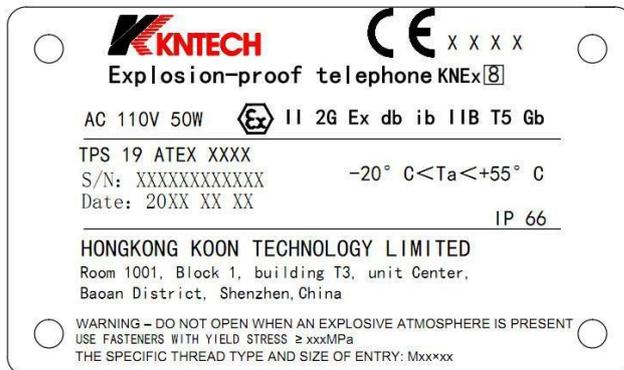
Weight: 10.65kg(not include speaker andlight)

Environment conditions:

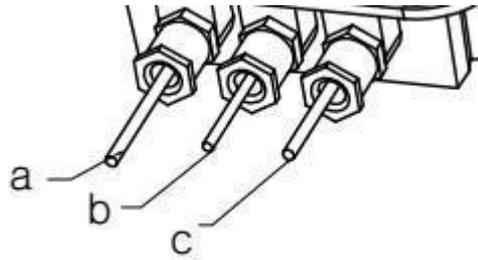
Ambient temperature: -20°C to 55°C.Relative humidity:10%~95%Atmospheric

pressure: 86~106Kpa Circumstance noise:less than 60dB(A) Degree of

protection: IP66

**SUPPLIER OF BELOW LISTED COMPANY:**

**INTERFACE CONNECTION SCHEMATIC DIAGRAM**



- a : AC power cord (option : 3-core wire)
- b : Network cable above cat 5
- a : Headset and D20 ringtones and LED DC5V/0.75W and explosion proof horn connection cable(option:8-core wire)

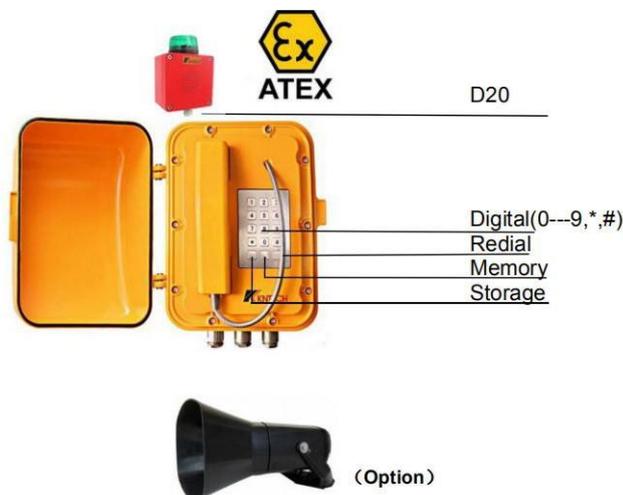
**NETWORK CONNECTION**

Connect the IP machine to the company's IP telephony network system. Before connecting to the network, check whether the network system is working properly. Direct network connection - In this way, you need at least one Ethernet port in your work place. Connect the LAN port to the Ethernet port of your workspace using the Ethernet cable on the back of the phone.

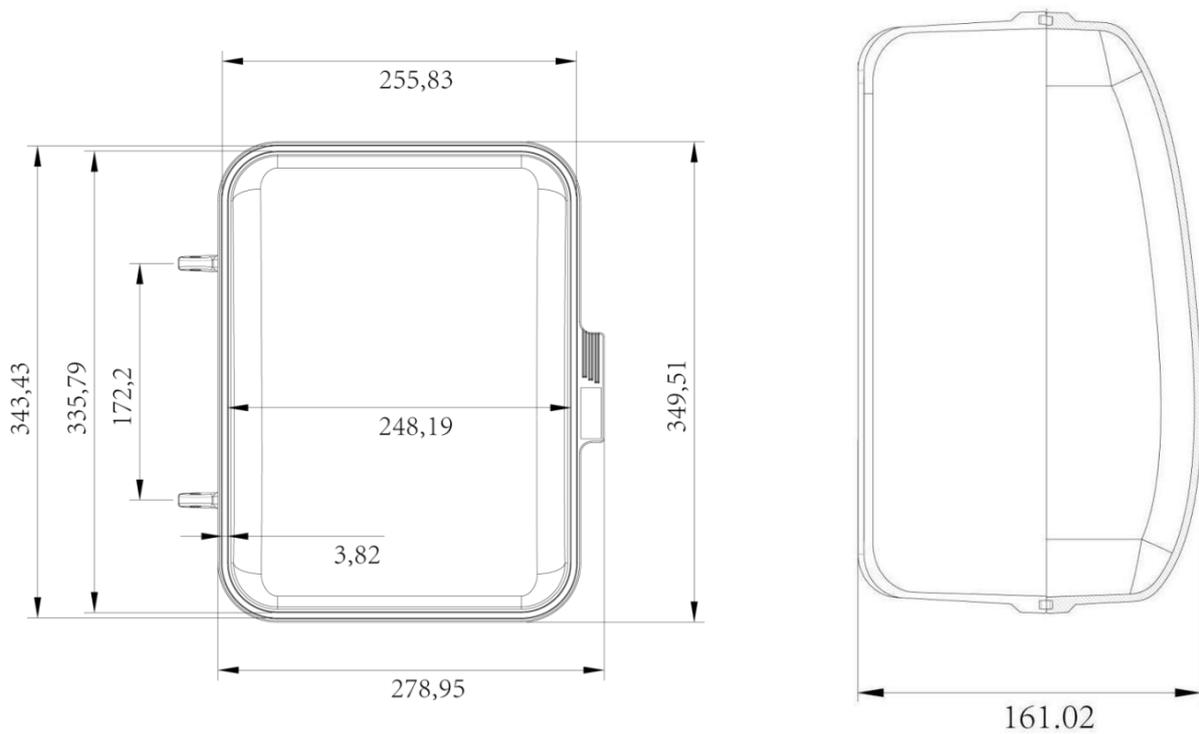


**USER PROGRAMMING**

pick up the Handset, press the keyboard storage key+address key(digital 0 --- 9)+phone number+storage key, and then hang up.



**THE TELEPHONE LAYOUT**



ATEX Explosion Proof Telephones Difference table						
 All listed are ATEX approved	Model Number	Version	Power Supply	Explosion-proof Speaker Connector 8 Ohm 30W Built-in Amplifier	D20 ATEX Approved External Ringer 8Ω 0.5W External Beacon DC5V 0.75W 	D21 ATEX Approved External Ringer 8Ω 0.5W 
	KNEx5	Analogue telephone	Telephone Line Powered	x	x	√
	KNEx6	Analogue telephone	AC 110 or 220V	√	√	x
	KNEx7	VOIP telephone	POE Power over Ethernet	x	√	x
	KNEx8	VOIP telephone	AC 110 or 220V	√	√	x