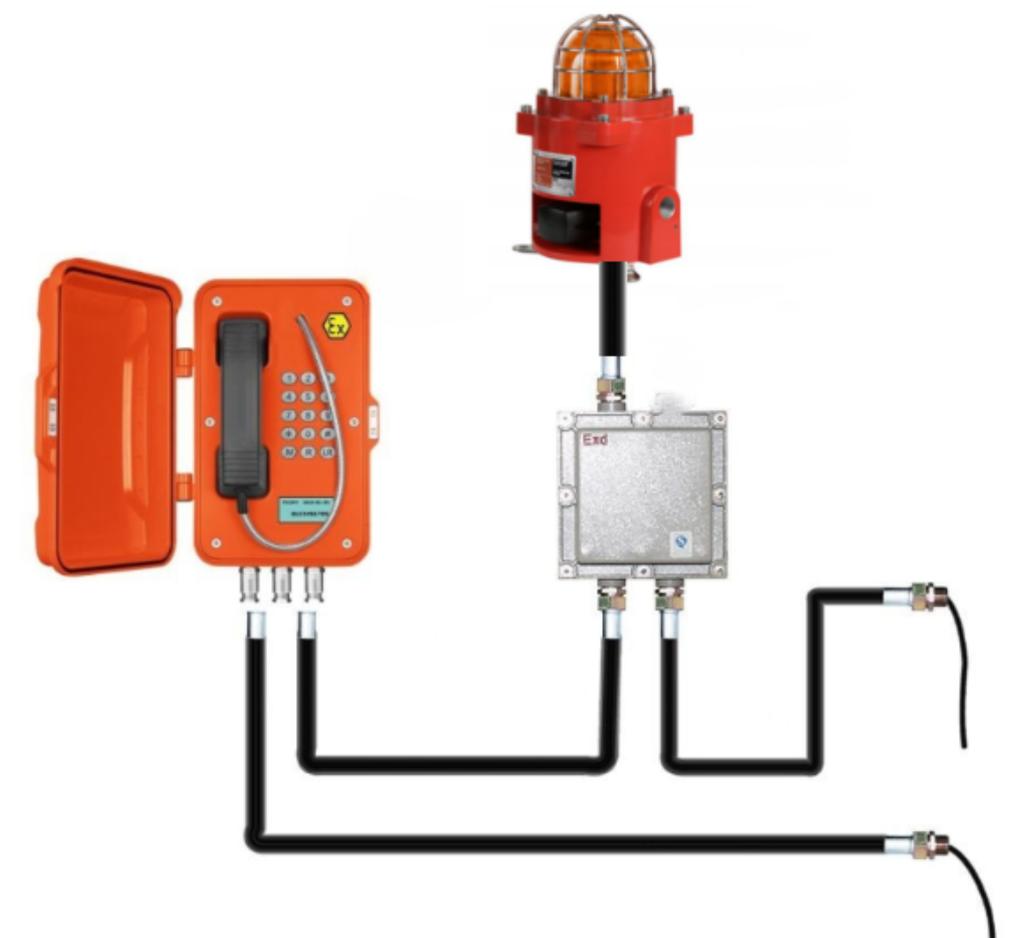


JREX106-A01 with beacon and sounder



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The Explosion Proof Telephone is designed for voice communication in a hostile environment where reliability, efficiency and safety are of prime importance. The telephone can handle the large temperature differences found outdoors, high humidity, exposure to sea, water and dust, Corrosive atmosphere, Explosive gases & particles, as well as mechanical wear and tear, making it perfect for use as an emergency telephone.

The unique robust handset is manufactured from moulded Bulk moulding Compound and designed specifically to withstand arduous use in all environments, armoured cord to provide additional resistance to vandalism or heavy industrial use.

This Explosion-proof broadcasting telephone is widely used in oil exploration, oil&gas plants, military, chemical and petrochemical plants, refineries, mines, oil refining, offshore and land-based rigs, power generation facilities, wastewater treatment facilities, grain storage sites and other hazardous industrial environments.

Features:

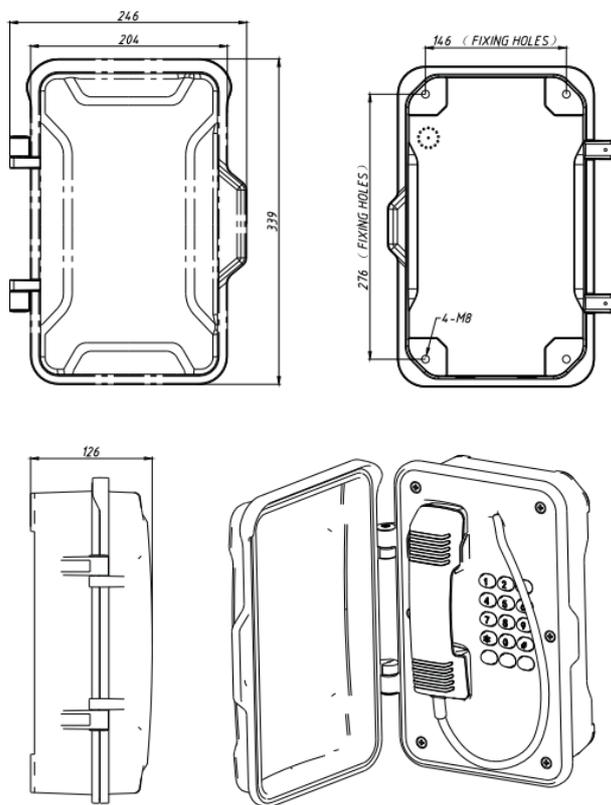
- Standard Analogue Explosion-proof & Weatherproof Telephone
- Aluminium alloy die-casting body
- Vandal-resistant handset and cord
- Full Keypad, “LR” button for last number redial, “R” for flash recall, “M” for muting
- Inductive coupler fitted as standard for hard-of-hearing
- Wall mounting, simple installation
- The beacon and sounder will flash and ring when there is an incoming call.
- With the auto-answer feature, auto-release the line when the other side cuts off the line
- Wall mounting, simple installation
- External power supply for beacon and horn

Analogue Version	
Power Supply	Telephone line powered for telephone; External power supply for beacon and horn
Supply Voltage	24 VDC to 65 VDC
Supply Current	20 mA DC to 100 mA DC
Ringer Volume	- 80dB(A) at a distance of 1 m - 110dB(A) at a distance of 1 m (for external horn speaker)
Dialing Method	DTMF mode in accordance with ITU-T recommendation Q.23.



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DIMENSIONS:



Explosion protection:

- II 2G Ex eb ib mb IIC T6 Gb
- II 2D Ex ib tb IIIC T80°C Db IP66
- Certificated for use in Hazardous areas of Gas Group IIB/IIA
- Zone classification: Zone 1, Zone 2 and Zone 22
- Ex 'd' protected
- Intrinsically safe Ex"ib" certified
- Temperature classification:T4

Lightning / Transients

- Protection to ITU-T k.21 enhanced levels

Casing Material

- Die cast aluminum, epoxy powder coated.
- **Color:** Available in four colors. Orange, Yellow, Red and Blue

Keypad

- Weather resistant full Keypad, No.of keys(TOTAL15KEYS):0-9,*,#,Redial,Mute,Last Number Redial

With LCD display

Handset



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- With Noise canceling microphone, for effective communication from noisy areas(Armored SS cord stands up to rough treatment, optional for black curly cord)

Mounting

- Wall/column/structural
- Captive cover screws prevent loss during installation

Weather Resistance

- IP66-IP67

Ringtone

- Built-in External Ringer that provides penetrating calling signal(85dbA@1meter)

Hook switch

- Electronic / magnetic with no visible moving parts

M.T.B.F.

- Calculated to have an M.T.B.F. in excess of 50,000 hours using

Unit Size: 204*334*126mm (H*W*D)

Net weight: 8KG; **Gross weight:** 8.8KG

Explosion Proof Beacon and Sounder (QNES):

- Explosion proof, multifunctional, and compact LED signal light and electric sounder combination designed for use in explosive gas environments with Ex d II C rating
- Features excellent shock and vibration resistance, maintenance significantly reduced with long-lasting LED light source
- Features superior durability with aluminum housing(QNES)
- Fully enclosed structure with protection rating of IP66
- Housing standard color : Red, MUNSELL No. 7.5BG 7/2
- Cable entry : 1/2" NPT
- Sound volume: Max. 110dB at 1m
- Flashing rate(LF type) : 60-80 flashes/min.
- Strobe rate(LS type) : 70-80 flashes/min.
- Simulated revolving rate(LR type) : 120-140RPM
- Materials : Lens-Tempered glass, Inner lens-PC, Bracket-STS304, Protection cage-STS316, Housing-Al(QNES)
- Certificates : ATEX, IECEX, KCs
- Protection rating : ATEX -
- II2G Ex db IIC T5/T6 Gb, IP66
- IECEX - Ex db IIC T5/T6 Gb, IP66

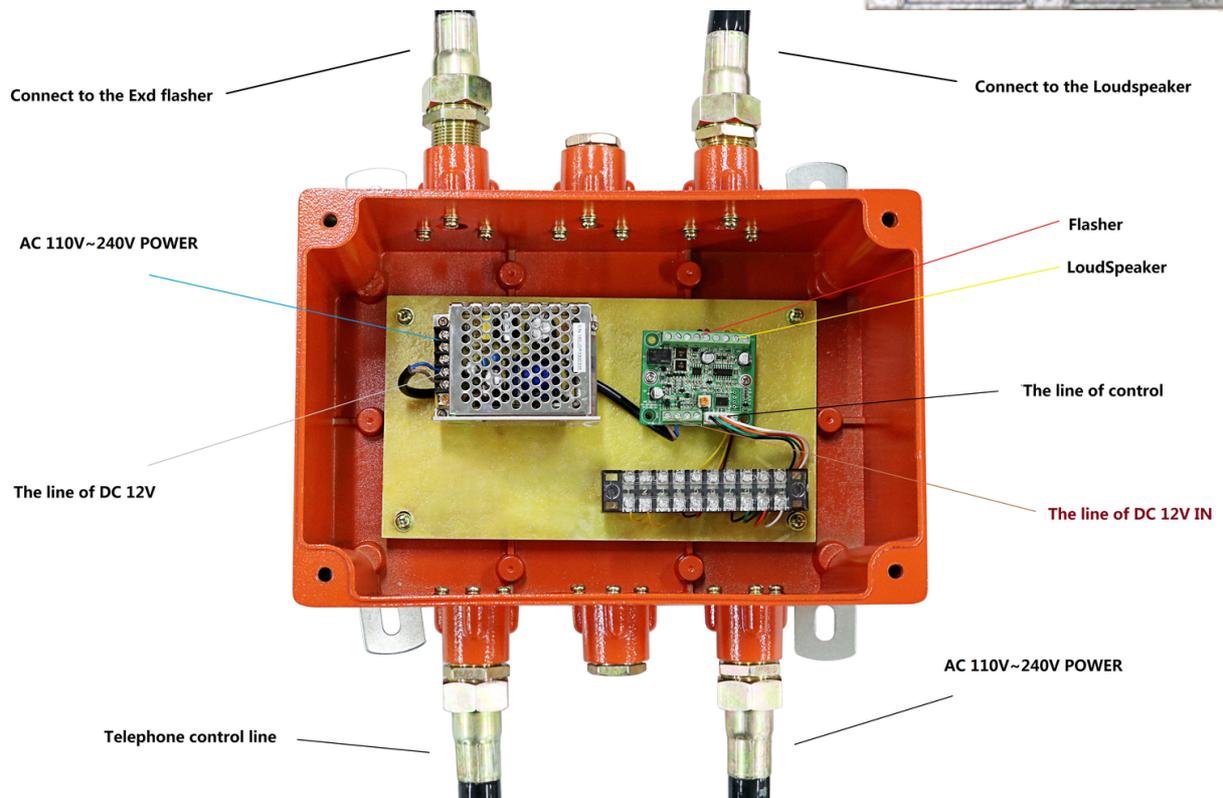


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- KCs - Ex d IIC T6/T5, IP66
- Ambient operating temperature : $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}(T5)$
- $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}(T6)$

Explosion Proof Connection Box:

- Aluminum casting body
- Ex-proof Mark: ExeIIBT6
- Waterproof protection:IP65
- Corrosion-proof grade: WF1
- Suitable for IIA IIB IIC Anti-explosion Gas Environment
- Dimension 200*200*130(mm)
- Connection Drawing:



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