


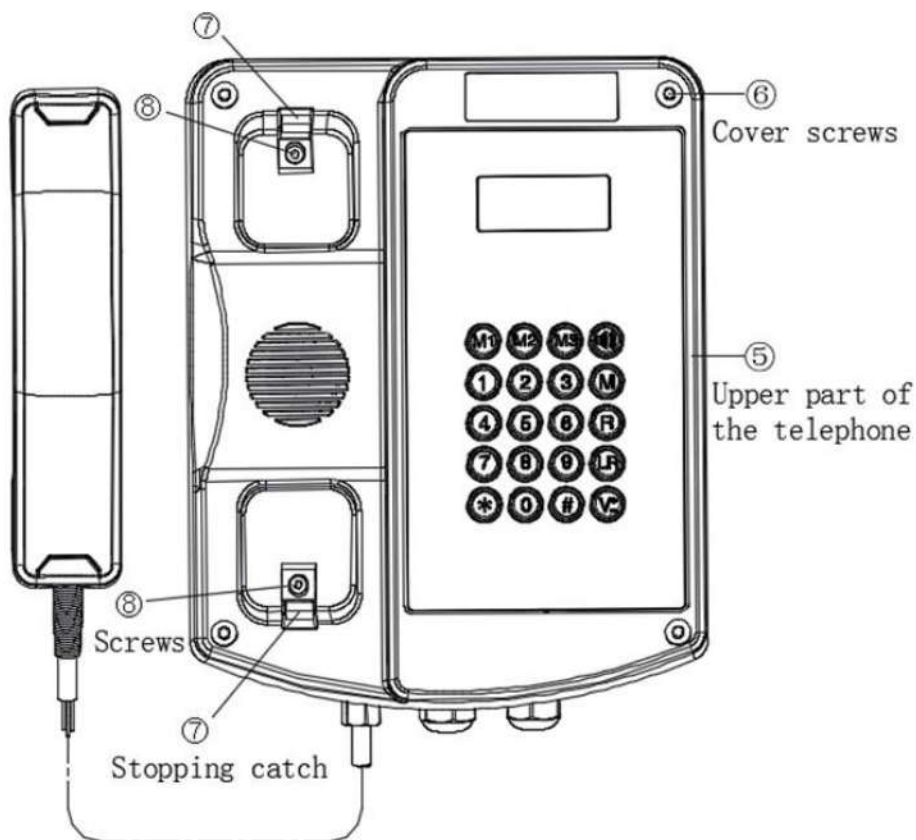
CS-TSIPATEX-KA



3. Technical Data

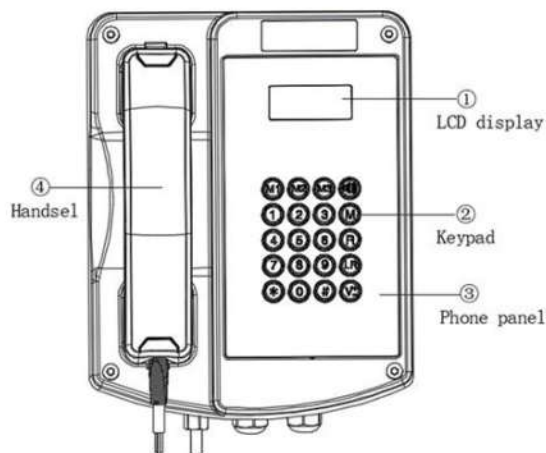
Connection data	
Power supply	PoE, or 12V / 24V DC
Supply current	100 mADC to 200 mADC
VoIP Signaling Protocols	SIP: RFC 3261, RFC 2327 (SDP)
Connectors interfaces	2 x RJ-45 ports (10/100BaseT Ethernet) for WAN and LAN
Data Protocols	
Media Processing	IPv4, TCP, UDP, ICMP, ARP, DNS and DNS SRV for SIP Signaling
	SIP over TLS (SIPS)
	802.1p/Q for Traffic Priority and QoS
	VLAN Discovery Mechanism (CDP, LLDP)
	ToS (Type of Service) field, indicating desired QoS DHCP Client
	NTP Client
	Voice Coders: G.711, G.723.1, G.729A/B, G.722
	Adaptive Jitter Buffer 300 msec
	Voice Activity Detection
	Comfort Noise Generation
	Packet Lost Concealment
	RTP/RTCP Packetization (RFC 3550, RFC 3551), SRTP (RFC 3711)
	DTMF Relay (RFC 2833)
Conformity	
Protection type:	IP67 as per EN60529
Degree of protection against external mechanical impacts	IK10 as per IEC62262
Operating temperature	-40°C to +70°C
Storage temperature	-40°C to +80°C
Relative humidity	10%~95%
Marking	 II 2 G Ex e [ib] mb IIC T6 Gb II 2 D Ex tb [ib] IIIC T85°C Db
IECEx Certificate of Conformity	
Marking	Ex e [ib] mb IIC T6 Gb / Ex tb [ib] IIIC T85°C Db
Telephone (user menu)	Chinese, English
Housing	
Material	High Impact Glass fibre-reinforced polyester
Height x width x depth	approx. 204mm x 334 mm x 126 mm
Weight	approx. 8kgs
Keyboard	Stainless steel keyboard with 20 keys.
Position of operation	Mounted upright on the wall. The device must be mounted on a plane surface only.
Protection Class I	M20 x 1.5 threaded hole or threaded 1/2" NPT adapter for cable entry assembly.
Protection Class II	Plastic cable entry for cable diameters: Ø 6 to 13 mm
Handset	
Sling protection	Integrated sling protection.
Handset cord	Steel-reinforced steel-clad cord. (Optional black curly cord)
Receiver inset	Dynamic receiver inset with magnetic field generator
Microphone capsule	Electret microphone

4. Overview of the Device

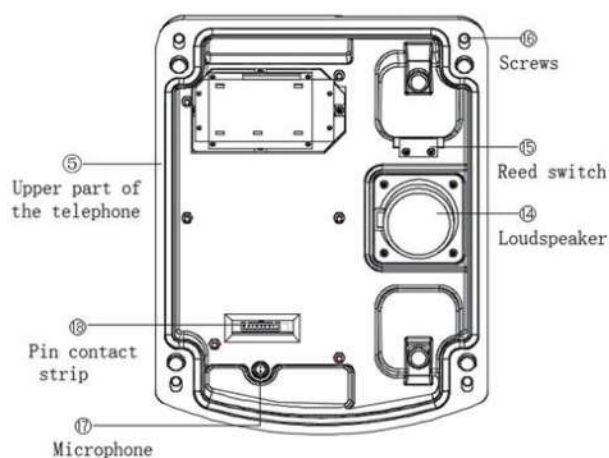


Note: For CB version, the keypad and display are replaced by a solid metal plate.

Outside View of the Telephone upper Part

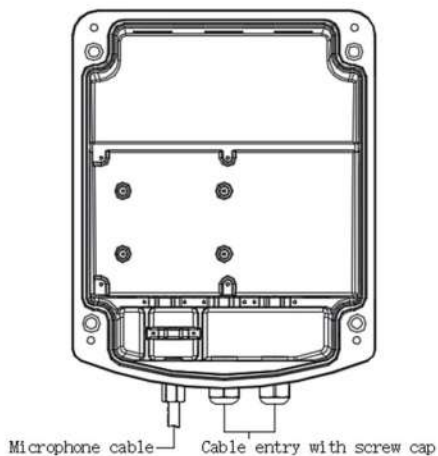


Inside View of the Telephone upper Part

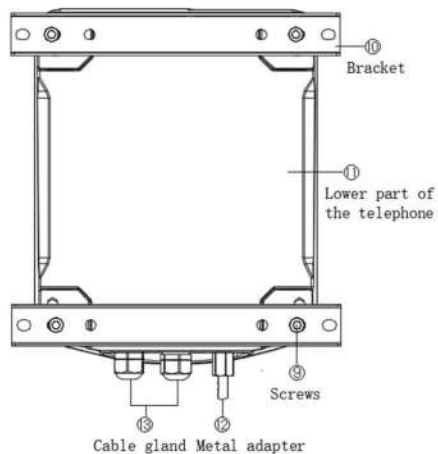


Note: The CB version is not equipped with a pin contact strip.

Inside View of the Telephone lower Part

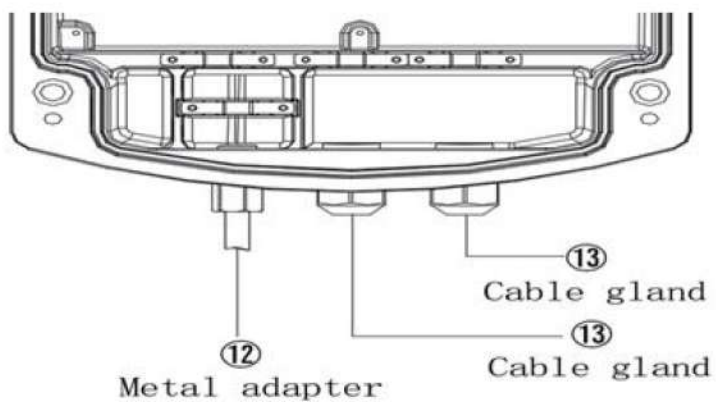


Outside View of the Telephone lower Part

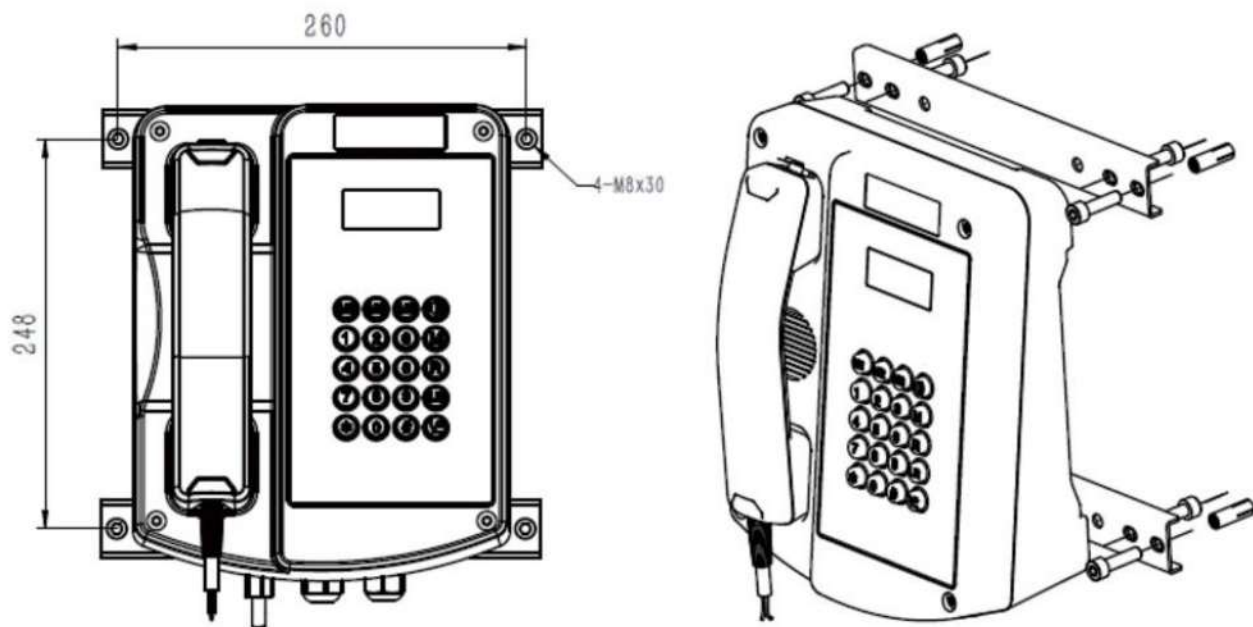


Protection Class I – Components

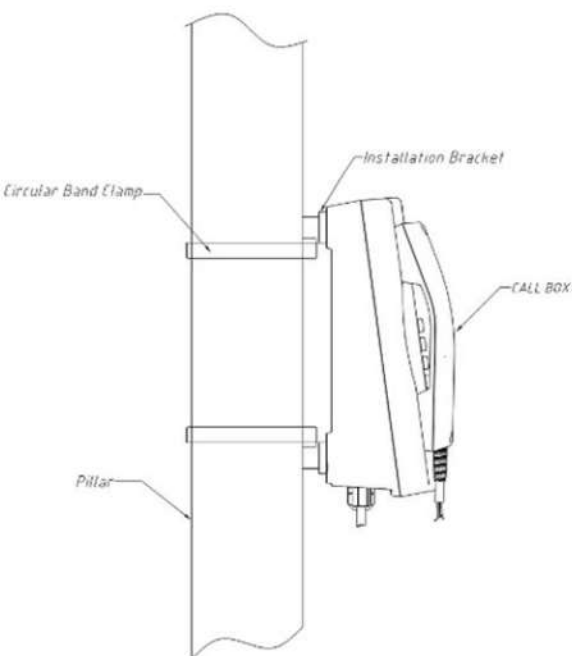
Factory supplied with: M20x1.5 threaded hole or a 1/2" NPT metal adapter for connecting armoured cables or conduit systems.



Wall Mounting



Column Mounting



1. 钻孔。钻头10MM。Drill hole, drill bit 10MM

4. 底壳安装。紧固螺丝。Install the bottom shell and tighten the screw

2. 清理安装孔 Clean installation hole

5. 电话机安装 Telephone installation

3. 放入膨胀头 Insert expansion head

安装说明 Installation instructions

1. 钻孔。钻头10MM。Drill hole, drill bit 10MM
2. 清理安装孔 Clean installation hole
3. 放入膨胀头 Insert expansion head
4. 底壳安装。紧固螺丝。Install the bottom shell and tighten the screw
5. 电话机安装 Telephone installation

1 Service

The weatherproof telephone is manufactured by J&R and subject to stringent quality controls. If you have questions regarding the telephone or if a malfunction has occurred – even after the guarantee period – please contact J&R or the distributor in your area. Please have the type and series number ready (these numbers can be found on the telephone side or on the PCB) when you contact us.

2 Care and Maintenance

The telephone is maintenance-free. Still, if the operating area highly contaminated by dust, fat, oil etc., the telephone should be cleaned from time to time. The telephone may only be cleaned using a damp cloth in order to avoid electrostatic charging. Never use sharp objects for cleaning. During maintenance, check accessible seals for function, e. g. regarding possible damage or positioning. If the seals are damaged, operating the telephone is not allowed. Damaged seals must be replaced.

3 Disposal

The complete telephone should be disposed of as electronic waste. When the telephone is disassembled, plastics, metals and electronics components are to be disposed of separately. In every single case the national requirements and regulations for waste disposal must be observed.

4 Warning and Security Instructions

This telephone is an explosion proof and weatherproof telephone especially for use in a harsh industrial environment.

	<div></div> <p>The telephone is suitable for use in Group II, Category 2G and 2D or non-hazardous locations only.</p>
	<div> EXPLOSION HAZARD</div> <p>Do not disconnect the telephone unless power has been removed or the area is known to be non-hazardous.</p>
	<div> EXPLOSION HAZARD</div> <p>Substitution of any components may impair suitability for Group II, Category 2G and 2D.</p>

14. Type Label

CS-TSIPATEX-KA



II 2G Ex e [ib] mb IIC T4 Gb
II 2D Ex tb [ib] IIIC T135°C Db



-40°C ≤ T_a ≤ 80°C

U_m = DC 48 V I_{SC} = 100 A

WARNING – DO NOT OPEN WHEN ENERGIZED

Ex e [ib] mb IIC T4 Gb
Ex tb [ib] IIIC T135°C Db

IP67
IK10



15. CE Symbol

We hereby declare this product is in compliance with the Essential Health and Safety Requirements of

ATEX Directive 2014/34/EU,

EMC Directive 2014/30/EU,

Low Voltage Directive 2014/35/EU RoHS Directive 2011/65/EU and

Waste of Electrical and Electronic Equipment WEEE Directive 2012/19/EC

The appropriate standards, technical regulations and specifications you can take from the attached conformity declaration and the conformity declarations on our Website.

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