

## ATEX Telephone Model: **JREX103-CB**

### Optional Versions: Analogue and VoIP SIP



- Non-Corrosive Die Cast Aluminium Body / Steel Face Plate
- Lift-To-Call Autodialling Functionality
- Robust and Vandal Resistant Throughout
- Weather Protection Rated IP66 (IP67 On-demand)
- Shock Proof IK10
- Powered PoE, Analogue Line
- Inductive Coupler Fitted as Standard for Hard of Hearing
- Simple Installation with Tamper Proof Bars & Fixings
- Non-Volatile Memory
- Programming: DTMF (analogue) Web Interface (SIP)
- Internal Relays Available On-Demand
- Choice of Customised Labelling
- ATEX, IP66, IK10, RoSH, CE & FCC Compliant.



A professional IP66 weatherproof explosion proof hotline telephone that provides a full duplex operation in hostile environments where reliability, efficiency and safety are of prime importance. Designed for use where large temperature differences, high humidity, exposure to sea water and dust, corrosive atmosphere, explosive gases & particles are common.

Fully contained within a corrosion resistant cast aluminium weatherproof case, providing complete protection against dust and moisture ingress, this is a highly reliable product with a long MTBF (50,000 hours). The unique robust handset is manufactured from bulk moulded compound and designed specifically to withstand arduous use in all environments, armoured cord to provide additional resistance to vandalism or heavy industrial use. Very easy to install. The cable entrance through NPT conduit entries, type 3.

#### Versions:

**Analogue** powered by standard analogue line, connects two core telephone cable. Config. by DTMF.

**VoIP SIP** powered by PoE – RJ45 connection to IP PBX and configured by web interface,

<b>Casing Material</b>	Die-cast aluminium body & CRS front plate with industrial epoxy powder coated finish
<b>Colour</b>	Red, other RAL colours on demand
<b>Handset Material</b>	Cycloy / stainless-steel spiral cord
<b>Keypad</b>	No keypad
<b>Ringling Tone</b>	Shrill warble tone 85 dB @1 metre typical
<b>Hook Switch</b>	Electric / magnetic no visible moving parts
<b>IP Resistance</b>	IP66 standard, IP67 on demand
<b>Temperature</b>	Operating: -40°C to +70°C Storing: -45°C to +80°C
<b>M.T.B.F</b>	In excess of 50,000 hours in use



#### Optional Extras

- Horn & call beacon
- Custom embossed logo



# ATEX Telephone Model: **JREX103-CB**

## STANDARD ANALOGUE SPECIFICATION

A analogue telephone that provides standard telephone functions and can be connected to any standard two-wire telephone line, including analogue PABX lines and PSTN.

**Ring Tone** Shrill warble tone 85 dBA @ 1 metre typical

**Power Supply** Drawn from telephone line

**Lightning / Transients** Protection to ITU-T k.21 enhanced levels

**Programming** Programmed remotely by DTMF

## ANALOGUE EXPLOSION PROTECTION

- II 2G Rx e ib [ib] mb IIC T6 Gb
- III 2D Ex ib [ib] tb IIIC T135 °
- -40 °C ≤ Ta ≤ +60 °C/+40°C
- Zone classification: Zone 1, Zone 2 and Zone 22
- Ex 'd' protected
- Intrinsically safe Ex"ib" certified
- Temperature classification: T6



Suited to oil refining, power stations, military, chemical plants, the armed services and industries which require certified telephones due to adverse operating conditions.

## VoIP SIP Version

**Adapter Input** 100-240VAC 50~60Hz

Output:5V/1A

## Port

WAN: 10/100Base- T RJ-45 for LAN, Auto MDIX

LAN: 10/100Base- T RJ-45 for PC, Auto MDIX

## Power Consumption

Idle:1.5W/ Active:1.8W

## Communication Type

Full Duplex

## Voice Features

- Support SIP 2.0 (RFC3261)
- Codec: G.711A/u, G.7231 high/low, G.729, G.722 G.726
- Echo cancellation: Support G.168 and hand-free can support 96ms
- Supports full duplex
- SIP support 2 servers, user can through each server to calling in and out
- SIP support SIP domain, SIP authentication (none, basic, MD5), DNS name of server, peer to peer
- SIP support 2 servers, user can through each server to calling in and out

## Network Features

- WAN/LAN: support Bridge mode
- Support PPPoE for xDSL
- Support VLAN
- Support Stun penetration
- Support DHCP get IP on WAN port

## VoIP SIP EXPLOSION PROTECTION

- II 2G Rx e ib [ib] mb IIC T6 Gb
- III 2D Ex ib [ib] tb IIIC T135 °
- -40 °C ≤ Ta ≤ +60 °C/+40°C
- Zone classification: Zone 1, Zone 2 and Zone 22
- Ex 'd' protected
- Intrinsically safe Ex"ib" certified
- Temperature classification: T6



## Ambient Conditions

**Protection Type** IP66, Conforms to EN60529

**Operating Temperature** -40°C to +70°C

**Storage Temperature** -45°C to +80°C

**Unit size** 246\*339\*109mm

**Packaging Size** 300\*440\*200mm

**Packaging** Pearl Cotton, Carton

**Gross weight** 7 KG



**CE** - This mark indicates compliance with the: Radio and Telecommunications Terminal Equipment Directive 2004/108/EC

**FC** - This mark indicates compliance with the: FCC Part 15 Subpart B Class B

**24 Month** Manufacturer Defect Warranty  
Manufactured by J&R Technology, China

