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Industrial ATEX Ex d VoIP telephone with IK10 aluminum enclosure HARDYPHONE-ip™ TEL327T-Sip

HARDYPHONE-ip™



The HARDYPHONE-Ex is built on a modular Ex-d enclosure, allowing the buttons to be arranged in various configurations to meet the specific requirements of each customer. The tags indicating the function of each button are custom-made, offering a high degree of flexibility.



ATEX UE certificate: ICEPI 07ATEX03C012

Ex protection : II2GD Ex d IIB+H₂ T5 – IP65 (-25°C +55°C)
Shock-Resistance: IK10 [EN 60950]
IP rating: IP65 [EM 60529]
Material: Aluminum light-alloy RAL2003
Mounting: wall brackets
Weight: 25 kg
Temperatures range Ex certificate: -25°C +55°C
Temperatures range of electronic cards: -40°C ÷ +70°C
Dimensions: see drawing
Power voltage: PoE and/or 12Vdc
Cable inlets: 2 3/4" NGK threaded holes
Cableglands: not included
MTBF: 180.000 hours
MTTR: <3 minutes

HARDYPHONE-ip™ is a **SMART VoIP (SIP)** Full-Duplex hands-free industrial intercom station, realized in a strong explosion-proof **ATEX Exd** aluminum body, **vandal-resistant** and resistant to shocks **IK10**, with **IP65** protection. The family **HARDYPHONE-ip™** ensures a **high quality of conversation** in industrial and public environments with **high ambient noise**.

TEL327T

The **TEL327T** is equipped with **16 buttons full keypad** for traditional telephone keypad. The function of the buttons can be customized accordingly to the needs of each customer. The tags indicating the function of each button are defined at the moment of the purchasing and suitable tags are stamped on the body.

A robust handset made of aluminum is installed on the left side, and it is connected via a **vandal-proof flexible INOX guide**.

The integrated microphone is equipped with **electronic noise compensation** and **sound compression**.

The equipment can work both in **Full-Duplex** and in **PTT** (Push-to-Talk) mode. PTT function is a very appreciated option in emergency communications.

A **high power re-entrant cone loudspeaker Ø136mm** can be integrated on the top of the station in order to make the telephone compatible with a PA/GA system.

Electrical Characteristics

Equipped with the **native VoIP electronic card XCS-182** release 2024-1, HD Voice, DESQO™ ready.

Protocol: SIP
Power: PoE and/or 12Vdc
SIP Servers: up to 3 SIP servers
Loudspeaker: built-in 15W-8Ω
Built-in microphone: with sound compression
Electronic Bell: up to 95dB@1m, adjustable
Programmable: via webpage

Optional functions

DC/DC converter: 24Vdc/12Vdc
Booster amplifier: 25W - 16Ω (24Vdc)
AFD: Auto Fault detection with audio local test
Relay for external repeaters: NO/NC (1A)
Audio output: 0dB audio output
TelDia™: Ready for remote interrogation

Automatic Fault-Detection function:

The telephone can be equipped with the optional function of **"fault detection"**, so that all the parameters of the telephone are periodically tested, including the audio-test of microphone and loudspeaker. A **Blue LED** is flashing to show that the telephone is in good working conditions. The status of the telephone can be remotely interrogated by the specialized **software TelDia™**.

ORDER CODES

TEL327T-Sip full telephone keypad
TEL327M1-Sip 1 button
TEL327M2-Sip 2 buttons
TEL327M4-Sip 4 buttons
TEL327M6-Sip 6 buttons