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# Smart VoIP Hands-Free telephone watertight IP66 & shockproof IK10, Automatic Fault Detection & Remote Interrogation, model TEL487M1-Sip

## HARDYVOX-ip®



### AVAILABLE COLORS

YELLOW RAL1023	GREY RAL7030	BLACK RAL9005	RED RAL3020	ORANGE RAL2003
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Protection index: ..... IP66 [EN 60529]  
Shock resistance:..... IK10 [EN 60068]  
Mx. Relative Humidity [EN 60068-2-30] .....98%  
Operating temperatures: .....-40°C ÷ +70°C  
Material: .....alluminium  
MTBF: ..... >180.000 hours  
MTTR: ..... 3 minutes  
Dimensions: ..... 300 x 160 x 67 mm  
Weight: ..... 3,6 kg  
Cables entrance: .....2threaded holes M20 with cableglad

**HARDYVOX-ip®** is a **SMART** VoIP hands-free telephone, made with a strong **ALUMINUM** body (5 mm) vandal-resistant and resistant to shocks **IK10**, with **IP66** protection. The family **HARDY-VOX®** is for wall mounting.

The family **HARDYVOX-ip®** ensures a **high quality of conversation** in industrial environments with **high ambient noise**.

**HARDYVOX-ip®** is vastly used both to carry out functions of **Service & SOS Emergency**. It supports up to **three relays** activated by **DTMF password**.

The model **TEL487M1-Sip** is equipped with a single red button for calling pre-stored numbers. The **HARDYVOX-ip®** range includes numerous variants, including a version with extended metallic telephone 15 buttons keypad.

### TEL487M1 (1 button)

The **TEL487M1-Sip** is equipped with only one **red button** for the automatic dialling of one or more **pre-stored telephone numbers**. If properly programmed, the button can be used for manual answer to incoming calls. However, you can program your phone to automatically answer after a predetermined number of ring tones.

- Red LED indicating "on line" status
- Blue LED signalling good work conditions or fault

### Electrical Characteristics

Equipped with the native VoIP electronic card XCS-182 release 2022-1, HD Voice, DESQO™ ready.

Protocol: ..... SIP  
Power:..... PoE or 12Vdc  
SIP Servers: ..... up to 3 SIP servers  
Electronic Bell: ..... up to 95dB@1m, adjustable  
Hook: ..... magnetic, high protection  
Programmable: ..... webpage

### Additional functions (options)

- Auto Fault detection with audio local test
- Auxiliary hook contact
- Fault alarm relay
- 0dB audio output
- Remote diagnostic interrogation by TelDia®

### AFD - Automatic Fault-Detection

The telephone can be equipped with the optional function of "fault detection", so that all the parameters of the telephone are periodically tasted, 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

TEL487M1-Sip ..... 1 button  
TEL487M2-Sip ..... 2 buttons  
TEL487M4-Sip ..... 4 buttons  
TEL487M8-Sip ..... 8 buttons  
TEL487T-Sip ..... full telephone keypad