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# Smart analogue Hands-Free telephone watertight IP66 & shockproof IK10, Fault Detection & Remote Interrogation model TEL487T

## HARDYVOX®



**HARDYVOX®** is a **SMART** analogue **Full-Duplex 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.

Equipped with the **SMART electronic card XCS-91-30**, **HARDYVOX®** ensures a **high quality of conversation** in industrial environments with high ambient noise.

Thanks to the considerable amount of functions and to the very high reliability (MTBF > 150.000 hours) **HARDYVOX®** is vastly used both to carry out service functions, both for the SOS emergency and service.

**HARDYVOX®** supports up to **three relays** activated by **DTMF password**.

### TEL487T with keypad

**15 keys keypad**, with **single aluminum buttons**, with double function activated by the button Fn:

- 12 buttons (\*, #, 0, 1...9)
- R (flash), RP (last number redial)
- Pre-memorized call buttons (M1÷M8)
- Volume adjustment V+, V-
- Hook key, or hands-free mode (on TLS457TV only)
- Door opening button, on DTMF password
- Red LED indicating "on line" or "incoming call"
- Blue LED indicating fault conditions

### MAIN FEATURES

**HARDYVOX®** is compatible with any analog port of a PBX (FXS) or any PSTN subscriber's line.

Powered by the telephone line: .....12÷60 Vdc  
Ringing voltage: .....25÷100 VEFF  
Dialing: .....DTMF  
Electronic Bell: .....85dB at 1 m  
Autoreply: .....programmable, 1÷90 rings  
Hang-up: .....automatic at the end of conversation  
Programmable: .....100% remotely programmable

### OPTIONS

- Auto Fault detection with audio local test
- Booster amplifier (requires auxiliary 12Vdc)
- Auxiliary hook contact
- Up to 3 Relais activated on DTMF passwords
- Remote diagnostic interrogation by TelDia®
- Fault alarm relay (FAR-01) at 12Vdc

### 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 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

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



### AVAILABLE COLORS

YELLOW	GREY	BLACK	RED	ORANGE
RAL1023	RAL7030	RAL9005	RAL3020	RAL2003

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 cablegland