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# Weather-proof IP66 VoIP (SIP) SMART industrial telephone, shock-proof IK10 with auto fault-detection & audio test model TEL457T-VoIP & TEL457TV-VoIP



**HARDYPHONE®** is a smart VoIP (SIP) industrial telephone, 100% made of aluminum (5mm) vandal resistant and shock proof IK10, weather-proof IP66. Designed for 20 years life in heavy industrial areas.

model **TEL457T-VoIP** (handset)

model **TEL457TV-VoIP** (handset + handsfree)

### VoIP (SIP)

12 Vdc (POE on demand), SIP protocol, DHCP addressing.

### Main characteristics:

Electronic Bell: up to 95dB@1m, adjustable  
Hook: magnetic, high protection  
Programmable: 100% programmable remotely by DTMF  
MTBF: > 180.000 hors  
MTTR: 3 minutes

### Extended Keypad:

14 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
- Noise cancelling circuit

### Optional functions:

- External Head-set jack
- Local audio test and Fault-Detection
- Hands-Free Full-Duplex (**TEL457TV-VoIP** only)
- Booster amplifier for external loudspeaker (supplied@12Vcc)
- Auxiliary hook contact
- Call repeating relay for external repeaters
- Remote command relay on password DTMF
- Remote diagnostic software TelDia®

### Automatic Fault-detection

Automatic periodical test of all the functions and main devices of the telephone, including audio test of microphone and earpiece. The state of service is indicated by the flashing blue LED. A Fault-Relay module is available on demand.

### Missing or out of order handset:

The hands-free version (TLA457TV) still operates also when the handset is missing or out of service.

### Applicable Rules:

EN61000 – EN60529 – EN62262 - EN50155 – EN60068



### AVAILABLE COLORS

YELLOW RAL1023	GREY RAL7030	BLACK RAL9005	RED RAL3020	ORANGE RAL2003
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Material:..... 5mm Aluminum  
Handset:..... 2mm Aluminum  
Handset's cord:.....stainless steel, 200kg resistance  
Mounting: .....on wall  
Wiring:.....screw terminals Ø2,5mm  
Dimensions: .....190x240x117mm  
Weight: .....3,6 kg  
IP-rating: .....IP66  
Shocks resistance: .....IK10  
Operating temperature: .....-40°C ÷ +70°C  
Cables inlets:.....2 holes Ø20mm, with cableglands for cables Ø5÷8mm

### Installation, Operation and Maintenance Procedures

- Open the pivoting front part removing the three screws
  - Pass the cables through the cableglands
  - Connect the UTP cable as indicated in the operator's book
  - Make a functional test calling another extension and asking to be recalled, and adjust the volume of the bell (see operator's book)
  - Close the front panel paying attention to the position of the gaskets
- This equipment is supplied with a 2 year warranty against defective workmanship

