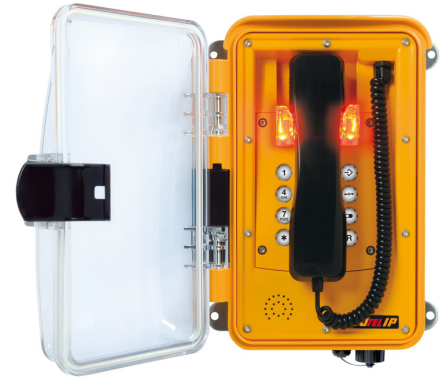


# Weatherproof VoIP-Telephone InduTel IP4

Telephone for indoor and outdoor applications, with protective door



## Overview

The telephone InduTel IP4 by FHF is characterized by an elegant design for indoor use as well as a high resistance for use in outdoor facilities with non-explosive environments.

The new InduTel IP4 is the ideal device for a number of different operation sites – no matter if exposed to seawater, high humidity or extensive mechanical strain.

Thanks to the protective door, the handset and keypad are always perfectly protected against contamination. The administration of the InduTel IP4 is carried out using the devices webserver.

## Features

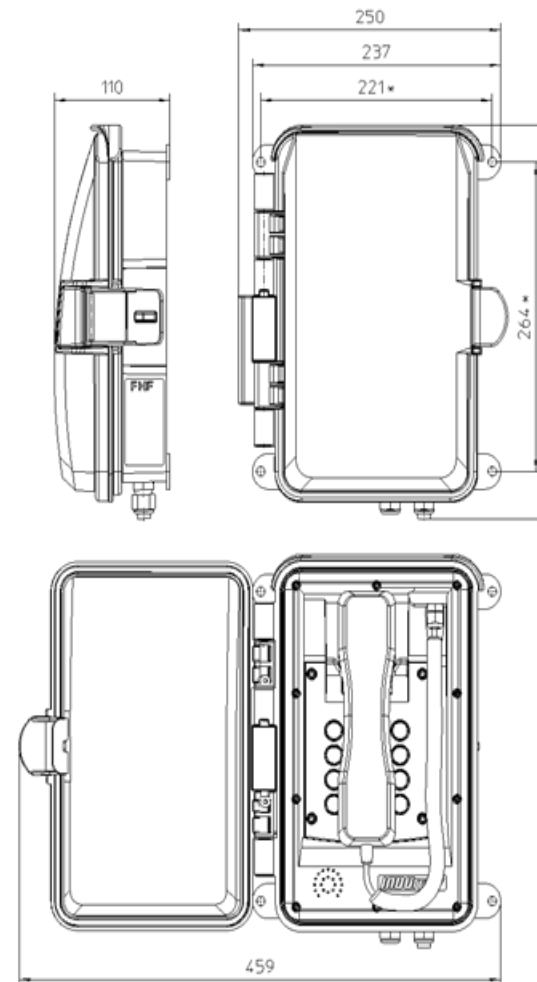
- Protection class IP 66 according to IEC60529
- Ambient temperature -40 °C to +55 °C
- VoIP Protocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDES, DTLS), RTCP, ICE
- Connection to 10/100/1000-BASE-T Ethernet
- Relay built-in (SPST)
- Power supply: PoE or external
- Optical call indication
- Illuminated keypad

Comax Industrielle Signaltechnik AG Thalstrasse 279 CH-4712 Laupersdorf  
Tel +41 (0)32 617 31 41 mail@comax.ch www.comax.ch

Technical data	
<b>Power supply</b>	Power over Ethernet according to IEEE 802.3af via 48 V DC PoE power supply (37V min, 57V max)
<b>Voltage external power</b>	22,8VDC - 48VDC
<b>Power consumption</b>	Class 1 (max. 4 W)
<b>Connection</b>	LAN RJ45 (10/100/1000 Mbit/s), screw terminal
<b>Relay contact</b>	Up to 30 VAC or 53 VDC (max. 15VA) 2A < 30 VDC 1 A > 30 VDC 1 A < 30 VAC
<b>Ringling volume</b> with open housing cover with closed housing cover	Approx. 90 dB(A) in 1 m distance Approx. 65 dB(A) in 1 m distance
<b>Housing</b>	
<b>Material</b>	Polycarbonat
<b>Dimensions (H x W x D)</b>	330 x 237 x 110 mm
<b>Weight</b>	2.3 kg (telephone incl. telephone bracket)
<b>Operating position</b>	Vertical
<b>Receiver</b>	
<b>Mouthpiece</b>	Elektret microphone
<b>Earpiece</b>	Dynamic capsule
<b>Protection class</b>	IP 66 according to IEC60529 (with protective door closed)
<b>Cable gland</b>	2x M16 x 1.5 for cable diameters 5-9 mm
<b>Optical call indication and illuminated keypad</b>	May be enabled/disabled
<b>Ambient temperature</b>	
<b>Operation</b>	-40 °C to +55 °C
<b>Transport and storage</b>	-40 °C to +70 °C

Characteristics	
<b>Protocols</b>	VoIP Protocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDS, DTLs), RTCP, ICE
<b>DTMF</b>	In-Band, Out-Of-Band, Event
<b>Additional VoIP features</b>	H.245 fast connect enblock dialing overlapped sending
<b>Security</b>	Encoded password authentication according to H.235
<b>Quality of service</b>	Prioritization of IP packages over TOS and DiffServ, VLAN priority according to IEEE 802.1p/802.1q
<b>Voice codecs</b>	G.711 A-law/ $\mu$ -law, G.729A, G.722, OPUS (NB/WB)
<b>Administration</b>	Access using https, Password-protected with secure authentication
<b>Diagnostic tools</b>	Log and trace files (pcap), status displays of interfaces and connections Ping connection test, sending of SNMP traps
<b>Updates</b>	Configuration recording/reading Boot code and firmware update via HTML upload Automatic update via update server
<b>DSL access</b>	PPPoE protocol
<b>VPN</b>	PPP over PPPoE/PPTP
<b>NAT</b>	Yes
<b>DHCP</b>	Client with private option codes, server mode
<b>Call tone generation</b>	Automatic call tone generation according to European and US standard
<b>Multiple registration</b>	Up to 6 registrations
<b>Telephone book</b>	internal, centralized (optional), integration of external data bases via LDAP
<b>Time</b>	DHCP option 42

General arrangement (all dimensions in mm)



## Ordering requirements

Type	Designation	Colour	Art.-No.
InduTel IP4	Wall telephone with transparent protective door	Yellow	FHF 114 111 211
InduTel IP4	Wall telephone with transparent protective door	Red	FHF 114 111 212