Weatherproof Telephone FernTel IP4

VoIP-Telephone for indoor and outdoor applications



Overview

With FHF approved technology, the FernTel IP4 is suitable for outside installation. It's the ideal weatherproof VoIP desk/wall telephone for applications in potentially harsh and rough environments in many industrial applications — no matter if exposed to seawater, high humidity or extensive mechanical strain.

The elegant housing is manufactured from polycarbonate: an impact-resistant thermoplastic. The FernTel IP4 provides durability and longevity while minimising the need for maintenance.

The FernTel IP4 provides highly effective ergonomics with an intelligent user-friendly menu structure and easy installation and maintenance. The illuminated keypad and luminous display ensures visability in low light environments.

The Ethernet connectivity with the internal 2-port switch allows the user to connect a laptop in an outdoor area which then obtains network access through the telephone. The FernTel IP4 offers high-quality features while meeting industrial standards and provides high quality communication, safely.

Features

- Ingress protection class IP 65
 according to IEC60529
- ambient temperature -40°C to +60°C
- Ringing volume >= 95 dB(A) in 1 m distance
- Pixel-based luminous OLED display
- Illuminated keypad
- Intelligent and user-friendly menu structure
- VoIP Protocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDES, DTLS), RTCP, ICE
- Power supply: PoE or external
- Connection to 10/100
 /1000-BASE-T Ethernet
- Relay built-in (SPST)
- Relay module (optional) 2x SPDT



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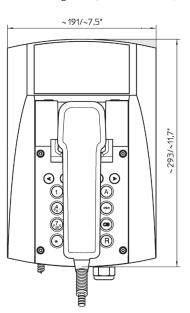
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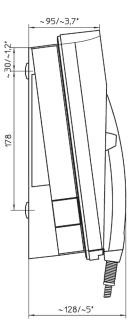
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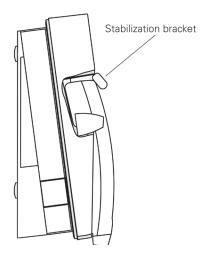
All specifications, dimensions, weights and tolerances are nominal (typical) and Eaton reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.

Power supply		over Ethernet according to IEEE 802.3af via 48 V DC PoE power (44 V min, 57 V max)		
/oltage external power upply	22.8 VDC - 53 VDC			
ower consumption	4 W (POE class 0)			
Connection	2x RJ45 Port (10/100/1000 Mbit/s) 1x PoE			
Ringing volume	Max. approx. 95 dB(A) in 1 m distance			
lousing				
Material	Polycarbonate			
Height x width x depth	293mm x 191mm x 128mm			
Weight (standard model)	Approx. 2.3 kg			
Pisplay	128 x 64 pixels (OLED)			
perating position	Desk or vertical mounting			
	Desk of	Ventical mounting		
on Board Relay (standard)				
C 1111	4.0	2017		
Switching voltage	AC	30 V		
	DC	60 V		
Switching current	AC	1.0 A		
	DC	1.0 A		
Switching capacity	AC	15 VA		
	DC	15 W		
elay 1 and Relay 2 (optional)				
Switching voltage (Vswitch)	AC	250 V		
- • • •	DC	230 V		
Switching current	AC	5,0 A		
U	DC	5,0 A		
Switching capacity	AC	Vswitch≥35V 15 VA		
Switching capacity	AC	Vswitch<35V 100 VA		
	AC	VSWILLINGSV 100 VA		
	DC	Vswitch≥50V 15 W		
	DC	Vswitch<50V 100 VA		
puts 1-3 (optional)				
Open circuit voltage	22.8 VDC - 57.0 VDC			
Short circuit current	< 10 m/	A (internally limited)		
ndset				
Mouthpiece	Electret	t microphone		
Earpiece	Dynamic capsule with magnetic field generator for inductive coupling of			
Lapiece	hearing aids			
Stabilization bracket	Optiona	al		
vironmental conditions				
	-40°C to	2 +60°C		
Ambient temperature	-40°C to +60°C			
Ambient temperature	-40°C to +60°C			
Transport and storage		26 RH (Avoid joing and condensation)		
Transport and storage Humidity	5 to 859	% RH (Avoid icing and condensation)		
Transport and storage Humidity Protection class	5 to 859	% RH (Avoid icing and condensation) ccording to IEC 60529		
Transport and storage Humidity Protection class naracteristics	5 to 859 IP 65 ac	ccording to IEC 60529		
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Transport and storage Humidity Protection class naracteristics otocols	5 to 859 IP 65 ac VoIP Pro	ccording to IEC 60529 otocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDES, DTLS), RTCP,		
Transport and storage Humidity Protection class naracteristics otocols MF	5 to 85 IP 65 ac VoIP Pro ICE In-Band	ccording to IEC 60529 otocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDES, DTLS), RTCP, I, Out-Of-Band, Event		
Transport and storage Humidity Protection class naracteristics otocols MF Iditional VoIP features	5 to 85° IP 65 ac VoIP Pro ICE In-Band H.245 fa	ccording to IEC 60529 otocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDES, DTLS), RTCP, I, Out-Of-Band, Event ast connect enblock dialing overlapped sending		
Transport and storage Humidity Protection class haracteristics otocols MF Iditional VoIP features curity	5 to 85° IP 65 ac VoIP Pro ICE In-Band H.245 fa Encode	ccording to IEC 60529 otocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDES, DTLS), RTCP, I, Out-Of-Band, Event ast connect enblock dialing overlapped sending d password authentication according to H.235		
Transport and storage Humidity Protection class naracteristics otocols MF Iditional VoIP features curity	5 to 85° IP 65 ac VoIP Pro ICE In-Band H.245 fa Encode Prioritiza	ccording to IEC 60529 otocols: SIP, H.323 (UDP, TCP, TLS), RTP, SRTP (SDES, DTLS), RTCP, I, Out-Of-Band, Event ast connect enblock dialing overlapped sending d password authentication according to H.235 ation of IP packkages over TOS and DiffServ,		
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Transport and storage Humidity Protection class haracteristics otocols MF Iditional VoIP features curity uality of service dice codecs Iministration agnistic tools odates SL access PN IAT HCP	5 to 854 IP 65 ac VoIP Pro ICE In-Band H.245 fr Encode Prioritize VLAN p G.711 A Access Passwo Log anc Ping co Configu Boot co Automa PPPOE f PPP ove Yes Client w Automa Up to 6	coording to IEC 60529 attraction of IEC 60529 attraction of IP packkages over TOS and DiffServ, attraction of IEEE 802.1p/802.1q v-law/µ-law, G.729A, G.722, OPUS (NB/WB) using https, attraction dest, sending of SNMP traps attraction recording/reading attraction recording/re		

General arrangement (all dimensions in mm)







Ordering requirements

*The full article number is made up by appending the colour code to the article numbers given below.

Туре	Designation	Model	Article Number	
FernTel IP4	Desk/Wall Telephone	with spiral cord	FHF 114 211 21*	
FernTel IP4	Desk/Wall Telephone	with armoured cord	FHF 114 211 22*	black
FernTel IP4	Desk/Wall Telephone	with spiral cord and relay	FHF 114 212 21*	yellow
FernTel IP4	Desk/Wall Telephone	with armoured cord and relay	FHF 114 212 22*	red
Accessories				
	Stabilization bracket		FHF 112 390 00	
	Weatherproof RJ45 LAN plug		FHF 112 390 01	
	Headset		FHF 112 643 04	
	Telephone hood model 404	galvanized steel, yellow	FHF 118 901 01	
	Telephone hood model 404	V4A stainless steel	FHF 118 901 11	
	Telephone hood model 404	synthetic material, orange	FHF 118 901 12	
	Telephone hood model 404	synthetic material, yellow	FHF 118 901 13	
	Telephone hood model 404	galvanized steel, red	FHF 118 901 14	
	Telephone hood model 404	synthetic material, red	FHF 118 901 15	
	Telephone hood model 404	GRP, yellow	FHF 118 901 22	
	Telephone hood model 404	GRP, orange	FHF 118 901 23	
	TWIN LED 24 VDC		FHF 118 823 *	transparen
	TWIN LED 100253VAC	only for variants with optional	FHF 118 827 *	red
		relay		amber

yellow	1
red	2

0

transparent	01
red	02
amber	03
green	04
blue	05

Accessories



Headset

TWIN LED

Protection hood