

# Weatherproof Telephone FernTel 3

Analogue desk/wall telephone for indoor and outdoor use

## Overview

The FHF FernTel 3 Telephone is characterized by an elegant design for indoor uses as well as a high resistance for uses in outdoor facilities with non-explosive environments. The new FernTel 3 is the ideal device for a number of different operation sites – no matter if exposed to seawater, high humidity or extensive mechanical strain. Its modern design represents a perfect „packaging“ for the finest high tech. Moreover, its striking signal colours ensure that the FernTel 3 cannot be missed whenever a telephone is urgently needed, e.g. in case of an emergency in poor weather and light conditions.

The FernTel 3 is suitable for almost universal use thanks to its amazing transformability:

With a flick of the wrist the desk telephone for indoor use is converted into a wall-mounted device for outdoor applications.

The FernTel 3 is available in different variants: with 16 keys without display or with 21 keys with display. Both variants may be equipped with a spiral cord or armoured cord. The FernTel 3 with display is equipped with an additional direct key. Of course, the new FernTel 3 is also available as hotline telephone (ZB variant), with call tone unit. A keypad inside the housing is used to store the hotline number. For applications on moving machines, e.g. on ships, a handset stabilization bracket is available.

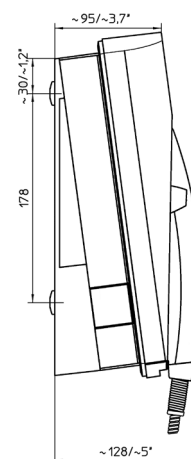
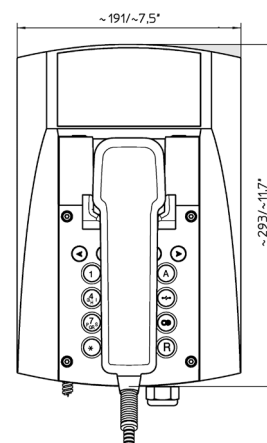
## Features

- Housing made of impact-resistant plastic (polycarbonat)
- Protection class IP 65 according to IEC60529
- Optionally handset can be locked (stabilization bracket)
- Ambient temperature -25 °C to +55 °C
- Ringing volume  $\geq 95$  dB(A) in 1 m distance
- Direct key in display version
- Phone directory in display version
- ZB variant with ringing unit
- Easy installation
- Hearing aid compatible
- PIN code
- Menu in 5 languages



Technical data	
Supply voltage	24...66 VDC
Supply current	19... 100 mA
Ringing AC voltage	30...90 VAC
Ringing frequency	16.. 68 Hz
<b>Dialling modes</b>	
DTMF	Frequencies acc. to ITU-T Q.23 tone duration unlimited or 90 ms
PD	Pulse-pause ratio 1.5:1 (60/40 ms) or 2:1 (66.7/33.3 ms)
Enquiry key (flash)	80 ms, 120 ms or 600 ms, only at DTMF
<b>Housing</b>	
Material	Polycarbonat
Height x width x depth	293 mm x 191 mm x 128 mm
Weight	Approx. 2.3 kg
Operating position	Desk or vertical wall mounting
Display	2 lines, 16 positions per row, 7x 5 matrix pictograms, 4 languages
<b>Handset</b>	
Mouthpiece	Elektret microphone
Earpiece	Dynamic capsule with magnetic field generator
Ringing volume	>= 95 dB(A) in 1 m distance
<b>Connections</b>	
Connections capacity	Stranded wire up to 2.5 mm <sup>2</sup> , solid wire up to 2,5 mm <sup>2</sup>
Incoming telephone line	Labeled TCP/La, TCP/Lb
Secondary sounder	Labeled W1, W
Cable glands	1x M20 cable gland 1x M20 blind plug 2x M12 blind plugs
<b>Environmental conditions</b>	
Display	-10 °C...+50 °C
Operating	-25 °C...+55 °C
Transport and storage	-25 °C... +70 °C
Protection class according to IEC60529	IP 65

General arrangement (all dimensions in mm)



## Ordering requirements

\* The following code is designed to help in selection of the correct unit. Build up the reference number by adding the respective colour code for each component from the box on the right.

Type	Designation	Model	Art.-No.*
FemTel 3	Desk/Wall Telephone	W/o display with spiral cord	FHF 112 300 2*
FemTel 3	Desk/Wall Telephone	With display with spiral cord	FHF 112 310 2*
FemTel 3	Desk/Wall Telephone	W/o display with armoured cord	FHF 112 320 2*
FemTel 3	Desk/Wall Telephone	With display with armoured cord	FHF 112 330 2*
FemTel 3 ZB	Desk/Wall Telephone	W/o keypad with armoured cord	FHF 112 350 2*
Accessories			
	Stabilization bracket		FHF 112 390 00

yellow	1
red	2
grey	7
black	0