

# 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 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 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.

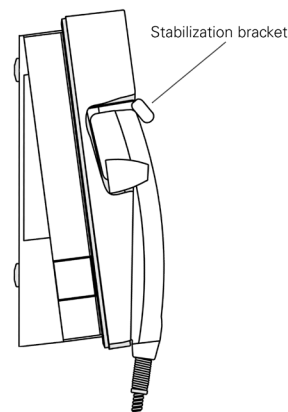
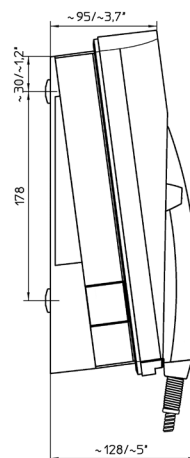
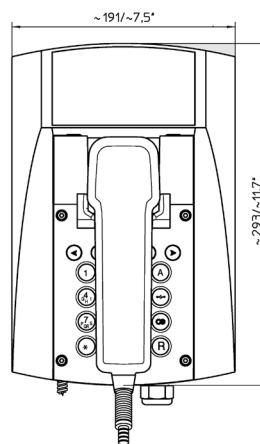
## Features

- 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
- Call tone  $\geq 95$  dB(A) in 1 m distance
- Direct key in display version
- Phone directory in display version
- ZB variant with call tone unit
- Easy installation
- Volume amplification
- PIN code
- Menu in 4 languages

## General arrangement drawing (all dimensions in mm)

### Specifications

Supply voltage	24 VDC to 66 VDC
Supply current	19 mA to 100 mA
Ringing AC voltage	30 VAC bis 90 VAC
Ringing frequency	16 Hz to 68 Hz
Enquiry key (flash)	Only for DTMF 80 ms, 120 ms, 600 ms
<b>Dialling</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)
<b>Housing</b>	
Material	Polycarbonat
Height x width x depth	293 mm x 191 mm x 128 mm
Weight	Approx. 2.3 kg
Display	2 lines, 16 positions per row, 7x 5 matrix pictograms, 4 languages
Ringing volume	≥ 95 dB (A) in 1 m distance
Operating position	Desk or vertical wall mounting
<b>Receiver</b>	
Mouthpiece	Electret microphone
Earpiece	Dynamic capsule with magnetic field
Connections	Single-wire or multi-wire up to 2.5 mm <sup>2</sup>
<b>Labelling</b>	
Connection cable	TCP/La, TCP/Lb
Secondary sounder	W/W1
<b>Operating temperatures</b>	
Telephone	-25 °C to +55 °C
LCD unit	-10 °C to +50 °C
Cable glands	1x M20 cable gland 1x M20 blind plug 2x M12 blind plugs
Ingress protection	IP 65 according to IEC 60529



### Ordering data

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

Type	Designation	Model	Article number*
FernTel 3	Desk/Wall telephone	without display, with spiral cord	FHF 112 300 2
FernTel 3	Desk/Wall telephone	with display, with spiral cord	FHF 112 310 2
FernTel 3	Desk/Wall telephone	without display, with armoured cord	FHF 112 320 2
FernTel 3	Desk/Wall telephone	with display, with armoured cord	FHF 112 330 2
FernTel 3	Desk/Wall telephone	without keypad, with armoured cord	FHF 112 350 2

yellow	1
red	2
grey	7
black	0

### Accessories

Stabilization bracket	FHF 112 390 00
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