

# Ex-Telephone FernTel 3 Z2

Analogue desk/wall telephone for applications in potentially explosive areas (zone 2 and 22)



## Overview

The FernTel 3 Z2 Telephone is designed for applications in potentially explosive areas of zone 2 and 22. The telephone housing is made of impact-resistant thermoplastic and is certified according to ATEX.

In the field of the chemical and petrochemical industry potentially explosive atmospheres occur during production procedures caused by e.g. gases, vapours or mist. Having a telephone which meets industry standards is a requirement.

The impact-resistant thermoplastic housing and use of stainless steel screws add further special advantages to the FernTel 3 Z2. The telephone can effortlessly be converted from a wall-mounted device to a desk telephone and vice versa.

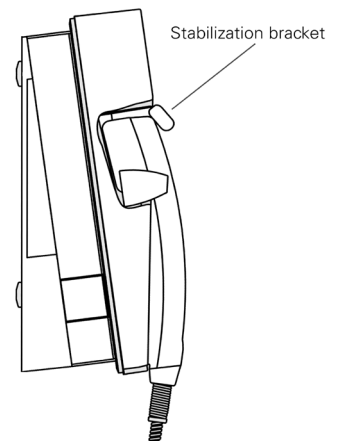
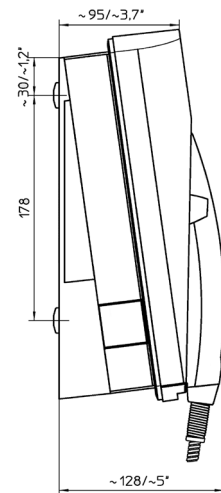
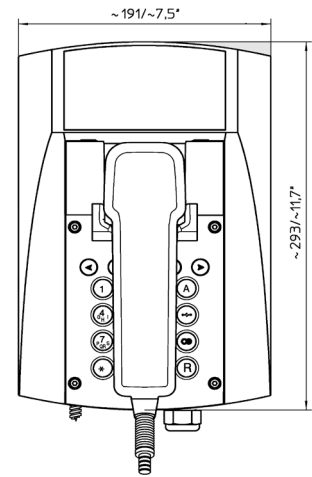
## Features

- Protection class IP65
- Stabilization bracket (optional)
- Ambient temperature -20 °C to +55 °C
- Ringing volume  $\geq 95$  dB(A), 1 m
- Explosion protection type  
II 3G Ex nA ic IIC T5 Gc  
II 3D Ex tc ic IIIC T80°C Dc



Certifications	
Protection type	II 3G Ex nA ic IIC T5 Gc II 3D Ex tc ic IIIC T80°C Dc
Technical Data	
Ringing frequency	16 Hz to 68 Hz
Dialing modes	
DTMF	Frequencies according to ITU-T Q.23, tone duration 90 ms or unlimited
PD	Pulse/ pause ratio 1.5:1 (60/40 ms) or 2:1 (66.7/33.3 ms)
Flash time	80 ms, 120 ms or 600 ms, only at DTMF
Supply voltage	24 to 66 VDC
Supply current	19 mA to 100 mA
Ringing AC voltage	30 VAC to 90 VAC
Housing	
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
Handset	
Mouthpiece	Elektret microphone
Earpiece	Dynamic capsule with magnetic field generator
Ringer volume	≥ 95 dB(A) in 1 m distance
Connections	
Connections capacity	Standed wire up to 2.5mm, solid wire up to 2.5mm
Incoming telephone line	Labeled TCP/La, TCP/Lb
Secondary sounder	Labeled w1/w
Cable glands	1 cable gland M 20 x 1.5 1 blind plug M20 x 1.5 2 blind plugs M12 x 1.5
Environmental conditions	
Display	-10 °C + 55 °C
Operating temperature	-20 °C + 55 °C
Transport and storage temperature	-25 °C + 70 °C
Ingress protection	IP 65
Conformity	
Network access, acoustic	TB 21, TBR 38
Electrical safety	EN60950

General arrangement (all dimensions in mm)



## Ordering requirements

\* The full article number for ATEX and IECEx variants is made up by appending the colour code to the article numbers given below.

Type	Designation	Model	Art.-No.
FemTel 3 Z2	Desk/Wall Telephone	W/o display with spiral cord	FHF 112 400 2*
FemTel 3 Z2	Desk/Wall Telephone	With display with spiral cord	FHF 112 410 2*
FemTel 3 Z2	Desk/Wall Telephone	W/o display with armoured cord	FHF 112 420 2*
FemTel 3 Z2	Desk/Wall Telephone	With display with armoured cord	FHF 112 430 2*
Accessories			
	Stabilization bracket		FHF 112 390 00

yellow	1
red	2
grey	7
black	0