Ex-Telephone FernTel 3 Z2

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

Overview

The FernTel 3 Z2 Telephone for applications in potentially explosive areas of zone 2 and 22.
The telephone comprises a housing 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.

Its striking signal colours ensure that the FernTel 3 Z2 cannot be missed whenever a telephone is urgently needed within potentially explosive areas of zone 2 or 22.

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

Features

- Protection class IP 65
- Stabilization bracket (optional)
- Ambient temperature -20 °C to +55 °C
- Ring tone ≥ 95 dB(A), 1 m
- Protection type II 3G Ex nA ic IIC T5 Gc
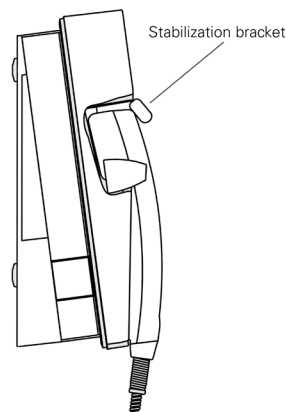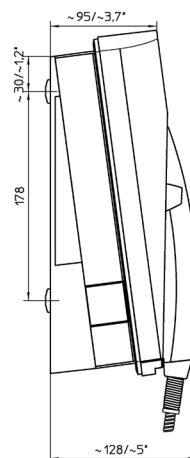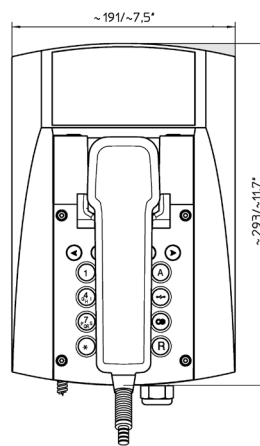   II 3D Ex tc ic IIIC T80°C Dc

Certifications

Protection type	II 3G Ex nA ic IIC T5 Gc
	II 3D Ex tc ic IIIC T80°C Dc

Speciafications

Supply voltage	24 VDC bis 66 VDC
Supply current	19 mA to 100 mA
Ringing AC voltage	30 VAC to 90 VAC
Ringing frequency	Settable: 16 Hz to 68 Hz
Pulse/pause ratio	Settable: 1.5:1 = 60/40 ms
	2:1 = 66.7/33.3 ms
DTMF	According to CCITTQ 23
Flash time	Approx. 80 ms preset, 1 ms to 999 ms settable
Housing	
Material	Impact-resistant thermoplastic
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	Electret microphone
Earpiece	Dynamic capsule with magnetic field
Connections	Stranded wire up to 2.5 mm², solid wire up to 2.5 mm²
Labelling	
Connection cable	TCP/La, TCP/Lb
Secondary sounder	W1/W
Cable glands	1 x M20 x 1.5 cable gland
	1 x M20 x 1.5 blind plug
	2 x M12 x 1.5 blind plug
Ring tone	≥ 95 dB(A) in 1 m distance
Temperatur range	
Display	-10 °C to +55 °C
Operation	-20 °C to +55 °C
Transport and storage	-25 °C to +70 °C
Ingress protection	IP 65 according to IEC 60529
Conformity	
Network access, acoustic	TBR 21, TBR 38
Electrical safety	EN60950

General arrangement drawing (all dimensions in mm)

Ordering data

* The full article number for ATEX and IECEx variants is made up by appending the colour code to the article numbers given below. INMETRO variants are available on request.

Type	Designation	Model	Article number*
FernTel 3 Z2	Desk/Wall Telephone	without display, with spiral cord	FHF 112 400 2
FernTel 3 Z2	Desk/Wall Telephone	with display, with spiral cord	FHF 112 410 2
FernTel 3 Z2	Desk/Wall Telephone	without display, with armoured cord	FHF 112 420 2
FernTel 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