

Z2line

EATON

Powering Business Worldwide



Ex-Telephone FernTel 3 / Zone 2

**Analogue desk/wall telephone for use
in areas with explosive atmospheres
in Zone 2, 22**

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

Application

The new telephone for use in areas with explosive atmospheres of zone 2 and 22. Its housing is made of impact-resistant and shockproof Polycarbonate and approved for Zone 2 and 22 according ATEX.

Within ranges of the chemical and petrochemical industry combustible atmospheres result again and again from process engineering operational sequence. Caused e.g. by gas, steam or nebula.

Its striking signal colour ensures the FernTel 3 / Zone 2 cannot be missed whenever a telephone is urgently needed in Zone 2 and 22.

The resistance of housing and use of screws of stainless steel are especially advantageous for use in areas with high air humidity and explosive atmospheres.

A deft hand movement and the desk telephone is converted into a wall telephone.

Telephoning in Ex Zone 2, 22

The new FernTel 3 / Zone 2 is the ideal telephone for many different work areas in Zone 2 and 22.



Technical specifications

Connection data

Call frequency	programmable: 16...68 Hz
Pulse-break ratio	programmable: 1.5 : 1 60/40 ms 2 : 1 66.7/33.3 ms
MFV	According to CCITT Q23
Flash time	Approx. 80 ms, 1 ms...999 ms programmable
Line voltage	24 to 66 VDC

Housing

Height x width x depth	Approx. 293 x 191 x 128 mm
Weight	Approx. 2.3 kg
Operating position	Desktop or vertical wall mounting

Handset

Transmitter capsule	Electret microphone
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Connections

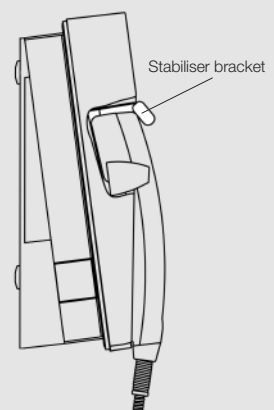
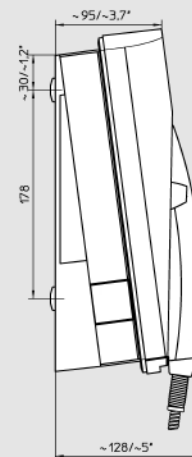
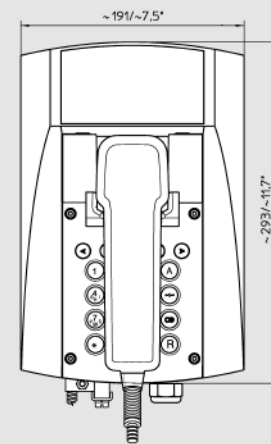
Wire up to	0.25 mm ² , wire to 2.5 mm ²
Incoming telephone line	TCP/La, TCP/Lb
Secondary bell	w1, w

Ambient conditions

Display	-10 °C to +55 °C
Operating temperature	-20 °C to +55 °C
Transport and storage temperature	-25 °C to +70 °C
Protection degree	IP 65

Conformity

Net access, Acoustics	TBR 21, TBR 38
Electrical Safety	EN60950
Expl. protection class	II 3G Ex nA ic IIC T5 Gc II 3D Ex tc ic IIIC T80 °C Dc
Call tone	≥ 95 dB(A), 1 m



- 1 cable gland handset
- 1 cable gland M 20 x 1.5
- 1 blind plug M20 x 1.5
- 2 blind plugs M12 x 1.5

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

yellow	1
red	2
grey	7
black	0

Order information

Type	Name	Version	Art. No.*
FernTel 3 / Zone 2	Desk/Wall Telephone	without Display spiral cord	FHF112 400 2 ...
FernTel 3 / Zone 2	Desk/Wall Telephone	with Display spiral cord	FHF112 410 2 ...
FernTel 3 / Zone 2	Desk/Wall Telephone	without Display armoured cord	FHF112 420 2 ...
FernTel 3 / Zone 2	Desk/Wall Telephone	with Display armoured cord	FHF112 430 2 ...
FernTel 3 / Zone 2	Stabiliser bracket		FHF112 390 00

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