

**GSM**



# Weatherproof GSM Telephone FernTel-GSM

## Quad Band GSM Telephone for outdoor use

- ▶ Protection degree IP 65
- ▶ Useable with one or two SIM cards
- ▶ Lithium Ion Battery
- ▶ Standby up to approx. 30 days
- ▶ Talk time approx. 21 hours
- ▶ Power supply from Solar panel or DC voltage supply
- ▶ Internal Antenna (external Antenna, optional)

### Without Power Supply Network

Mobile use at a construction site lacking a power supply network.

## Application

The FernTel-GSM has been designed for use wherever wired telephone networks are either unavailable or the installation of such networks is too complicated or expensive. When connected to a solar panel (optional) it can even be fully operated without a power supply network. In case of an alarm it is still possible to use it to report an emergency. This possibility is guaranteed by virtue of the fact that two SIM cards from two different providers can be operated in the telephone simultaneously.

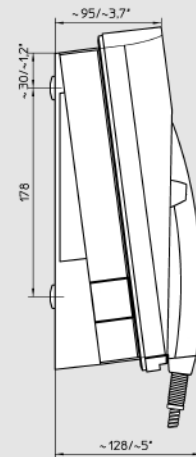
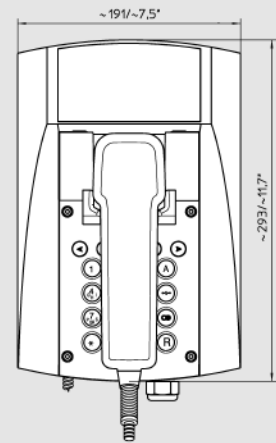
## Design

The telephone is constructed in a housing made of polycarbonate with a protection degree of IP65 and is usable as a wall or desk mounting telephone. It incorporates a rechargeable lithium ion battery with a capacity of approx. 5 Ah, which, when fully charged, translates to a standby time of approx. 30 days or a speaking time of 21 hours. It features a quad-band GSM with the frequency bands GSM 850, GSM 900, GSM 1800, and GSM 1900.



## Technical specifications

GSM frequency bands	Quad Band GSM 850, GSM 900, GSM 1800, GSM 1900
Voltage supply	5 VDC + 10% from solar panel or DC voltage supply
Solar panel	Recommended 10W, open circuit voltage ≤ 6,9 VDC
Maximum power supply	500 mA
Battery	Lithium Ion
Nominal voltage	3.75 V
Standard capacity	approx. 5 Ah
Temperature range charging	-20°C to +60°C
Temperature range discharging	-50°C to +60°C
Operating time	with full charged battery
Talk time	approx. 21 hours
Standby	approx. 30 days
Operation	with one or two SIM cards
Ringing volume	max. approx. 93 dB(A) at a distance of 1 m
Casing	
Height x width x depth	293 x 191 x 128 mm
Weight	approx. 2.300 g (Telephone incl. Telephone holder)
Display	2 lines, 16 positions per row, 7 x 5 matrix Pictograms
Operating position	Desk or vertical wall mounted
Receiver	
Speaker capsule	Electret microphone
Receiver capsule	Dynamic receiver inset with magnetic field generator
Connections	Single-wire or multi-wire up to 2.5 mm <sup>2</sup>
Operating environment temperature	-20°C...+60°C
Transport and storage temperature	-25°C...+70°C
Protection rating as per IEC60529	IP 65
Protection against external mechanical stress	Protection rating IK08 acc. to EN50102



Cable glands:

- 1x M20 cable gland
- 1x M20 blind plug
- 2x M12 blind plug

## Order information

Type	Name	Article no.
FernTel-GSM	Weatherproof GSM Telephone FernTel-GSM, yellow, steel armoured handset cord	112 647 02
<b>Accessories</b>		
Solar panel	(optional)	118 646 01
External GSM-Antenna	(optional)	118 646 02

\* UNDER THE WARRANTY TERMS OF **FHF** FUNKE+HUSTER FERNSIG GMBH >>> WWW.FHF.DE <<<<

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