



## **funkwerk FT4 series: The new TETRA handsets.**



Standard and industrial handset  
Personal security unit  
Public safety handset



HVBG\*

## Funkwerk and TETRA: The future of professional mobile communication.



The digital TETRA trunked radio system as a pan-European standard offers all benefits of professional communication and will replace analogue and proprietary radio messaging systems over the medium term. TETRA combines voice communication, status and localisation information and powerful data transmission.

In private-enterprise and industrial networks, the new and powerful generation of handsets enables integrating the most varied individual performance features.

**Funkwerk Enterprise Communications** can rely on more than 40 years of experience in the development of personal security systems and messaging solutions for authorities and industrial users. Our tailor-made systems meeting exactly the specific requirements in many different sectors of industry and application scenarios, long-term spare parts supply as well as intense and lasting service provided through a dense network of field and service staff have made Funkwerk systems so successful.

**With the new TETRA handsets** of the funkwerk FT4 series, Funkwerk again sets the standard regarding ease of operation and handling as well as active personal security in fields where persons are working alone according to BGR139 (German working law for lone workers production).

The current development of the TETRA systems has directly benefited from our many years of experience: **Optimum ergonomics, top-class sensors for will-independent alarms, a flexible range of transfer facilities and smooth integration** into existing and future control station and building services management systems ensure systems with a **guaranteed future**.

## New, professional, unique: funkwerk FT4 S Ex – the first explosion-protected TETRA personal emergency signal handset.

A robust handset which can be operated even with gloves on: The funkwerk FT4 S Ex provides professional users in hazardous industrial environments with an explosion-protected TETRA handset, according to lone workers' requirements and covering all known applications, thus meeting the most severe requirements in the industrial field.

A total of four will-dependent and all will-independent alarm types as well as cyclic testing of the unit and of the radio link in safeguarded personal emergency signal system operation are available for personal security.



### Unique selling points of funkwerk FT4 S Ex\*:

- ▶ **Gas explosion protection:**  
II 2G Ex ib IIC T4
- ▶ **Dust explosion protection:**  
II 2D Ex ibD T125°C IP6x
- ▶ **Degree of protection:**  
IP65 (jet- and dust-proof)
- ▶ **Personal emergency signal certification:**  
DIN V VDE V 0825-1, BGR 139  
DIN V VDE V 0825-11, BGI 5032

### Particular ATEX features:

- ▶ Battery can be changed in ATEX environment (intrinsically safe)
- ▶ Screw-on accessories in ATEX and IP65

\*) Certification in preparation

## funkwerk FT4: The standard and industrial TETRA handset.

Thanks to its very sturdy design, the standard unit of the FT4 series is suitable not only for standard situations, but also for use in rough industrial environments: e.g. on construction sites, the degree of protection IP65 (jet- and dust-proof) often plays the decisive role when selecting the right handset.

Optimum operation while wearing gloves is always ensured by the clearly separated keys with background lighting.

The excellent display and the symbol-based user guidance ensure optimum control, even under bad viewing conditions.



## funkwerk FT4 S: The TETRA Security handset for mobile personal security.

This handset was developed for personal security applications in hazardous environments where persons are working alone with 100% safeguarding according to BGR139 and with integration into a Funkwerk TETRA personal emergency signal system: The funkwerk FT4 S has integrated sensors and localisation functions. Besides a cyclic function test, four will-dependent and all will-independent alarm types according to the German BG standards have been integrated. The unit is also available as an explosion-protected variant FT4 S Ex for ATEX environments, i.e. for workplaces where persons are working alone, e.g. in the chemical industry or in the oil and gas supply sector.



## Highlights of funkwerk FT4 series:

- ▶ **Excellent display:** Transflective 2.2" TFT display with a resolution of 240 x 320 pixels (QVGA) and 262,000 colours
- ▶ **High-quality housing:** Degree of protection IP65
- ▶ **Integrated GPS module** (option / depending on version)
- ▶ **12-pin headset connector**, according to public safety guideline, can be fitted without tools, also suitable for explosion-proof accessories
- ▶ **Sturdy, impact-resistant housing**, tested from a drop height of 1.6 m on a concrete floor
- ▶ **Additional shock absorption** by rubber sprayed all-round



## funkwerk FT4 PS: For authorities and organisations with security functions.

The funkwerk FT4 PS variant was developed specifically for use in public safety scenarios. Easy operation and optimum visual control of the functions are always guaranteed, even under adverse conditions. Individually configurable menus enable restricting the available functions to those required in a specific application. An accessory connector (12-pin) can be screwed to the unit and meets IP65 requirements. The unit is also available as an explosion-protected variant FT4 PS Ex, e.g. for fire brigades, technical assistance operations or the river police.

## We give you individual and competent advice.

With more than 40 years of experience, Funkwerk Enterprise Communications develops state-of-the-art personal emergency call systems and security equipment for industrial, authority and private applications.

Benefit from our many years of experience in setting up and operating personal emergency signal systems and security systems. Jointly with you, we will be glad to work out a tailor-made and flexible concept. We are looking forward to your call!

# Security. Everywhere.

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