funkwerk FT4:
TETRA Radios for Industry and Personal Security.

The TETRA handset series for the TETRA Secury System funkwerk TSS: top quality, robust, ergonomic.

Security. Everywhere.

Funkwerk Security Communications GmbH has over 40 years of experience in the development of personal security systems and messaging solutions for authorities and industrial applications.

The success of Funkwerk Systems is based on matching our systems precisely to the individual demands of various fields and scenarios; long-term spare parts supply, and intensive and uninterrupted after-sales service provided by a closely-knit network of field representatives and service personnel.

Funkwerk FT4: the new TETRA handset series.

Funkwerk and TETRA: the future of professional communication.

As the pan-European standard, TETRA digital trunking radio offers all the advantages of professional communication and will replace analogue and proprietary radio and paging systems in the medium term. TETRA combines efficient individual and group communication as well as status and localisation information with powerful data transmission.

A new generation of efficient terminals offers the greatest possible range of individual features for commercial and industrial networks.

In developing these handsets, attention was also given to the requirements of users who operate at solitary workstations and who require a high level of personal security (in accordance with the BGR139 regulations of the German employers' liability insurance association and DIN V VDE 0825-1). Explosion-proof versions—certified in terms of the pan-European ATEX directives—are available for use in industrial environments with a high risk of explosion.

A further advantage lies in the short amortisation period, thanks to the savings in time and money achieved through reduced reaction times and decision processes.

The durability of the product and the easy-to-use, practical accessories ensure a high level of investment security.

funkwerk FT4: TETRA radios for industry and personal security.

With the FT4-series of TETRA handsets Funkwerk has once again set the benchmark for functionality, as well as ease of use and convenience. Optimal ergonomics, comprehensive protection against external influences and extensive TETRA performance features are the key differentiators of the funkwerk FT4-series handsets.

In addition, the funkwerk FT4 S und FT4 S Ex Secury handset versions offer high performance sensors for localisation as well as manual and automatic alarm triggering.

The handsets ensure that the safety of solitary workers in hazardous work environments can be actively secured —complying with the stringent BGR139 regulations of the German employers' liability insurance association and DIN V VDE 0825-1.

Maximum future-proofing is ensured by a continuous process of further development and seamless integration with existing funkwerk Secury systems or TETRA infrastructure.

Suitable for outdoor use (IP 65)

All funkwerk FT4 series handsets are dust-proof and protected against water jets. Maximum protection against external factors allows the equipment to be used under extremely harsh conditions.

Personal Emergency Signal functions

As top quality TETRA personal emergency signal handsets, the FT4 S and FT4 S Ex Secury versions are equipped with high performance sensors for area and room-specific localisation, and automatic alarm triggering as well as separate, easily accessible alarm keys for manual alarms.
→ Pages 8/9

Explosion protection

The funkwerk FT4 Ex and funkwerk FT 4 S Ex versions have specially strengthened and sealed casings as well as electronic safety measures, which enable them to be used in industrial environments in which explosive dust and gases are present —certified strictly in accordance with ATEX.
→ Pages 10/11

Accessories

Enhance the functionality of your TETRA handsets with high quality original equipment accessories—ranging from chargers and batteries to carrying systems or headsets.
→ Pages 12-15

High-resolution, brilliant display

With a high-resolution (240 x 320 pixels and 262,000 colours) 2,2" TFT colour display, the funkwerk FT4-series offers the best display in its class.

Performance characteristics

Detailed performance characteristics of all versions of the funkwerk FT4-series handsets can be found together with the entries for each specific handset on the following pages.

Personal security with funkwerk TSS: protecting life and limb.

Alarm recognition, signalling, transmission and assistance

The funkwerk TSS TETRA Secury System offers optimal personal security with specific functions as well as sensors for manual and automatic alarm-triggering integrated with the radio sets.

Eavesdropping and speech links with personnel affected by the alarm can be established and controlled from the control point. In addition, speech links can be established with other Secury and telephone users at any time. The inherent flexibility of the system allows it to be adapted to your specific requirements.

Integrated special functions enable the funkwerk FT4 S series handsets to deal with any emergency:

▶ Integrated sensors for localisation and alarms

▶ Automatic alarm modes—such as position, no-movement and time-dependent alarms

▶ Automatic loss-alarm (by means of a tear-away switch) in the event of the user being overpowered

▶ Manual alarms via separate, easy-to-reach emergency and warning keys

▶ Area and room-specific localisation after alarm has been triggered

▶ Immediate reporting of an alarm to the control point

▶ Transmission of alarms to other mobile devices (e.g. personnel in the area)

Every alarm report, together with localisation data, is sent to the central server and the control point respectively, and can be indicated on a floorplan of the building. In this way, assistance can be given without delay and monitoring of activities can be guaranteed. The entire event is comprehensively documented for subsequent evaluation.

In addition to the outstanding speech and group communication offered by TETRA radio systems and the forwarding of text reports and alarm signalling to the handsets, the system offers additional capabilities and Secury-functionality, for example:

▶ Room and floor-specific localisation

▶ Integration with the funkwerk DSS DECT Secury system

▶ Integration via PBX and gateways to other communication systems

▶ Connection to video systems

▶ Connection to machine and switch contacts to trigger alarm —with either manual or automatic status reporting
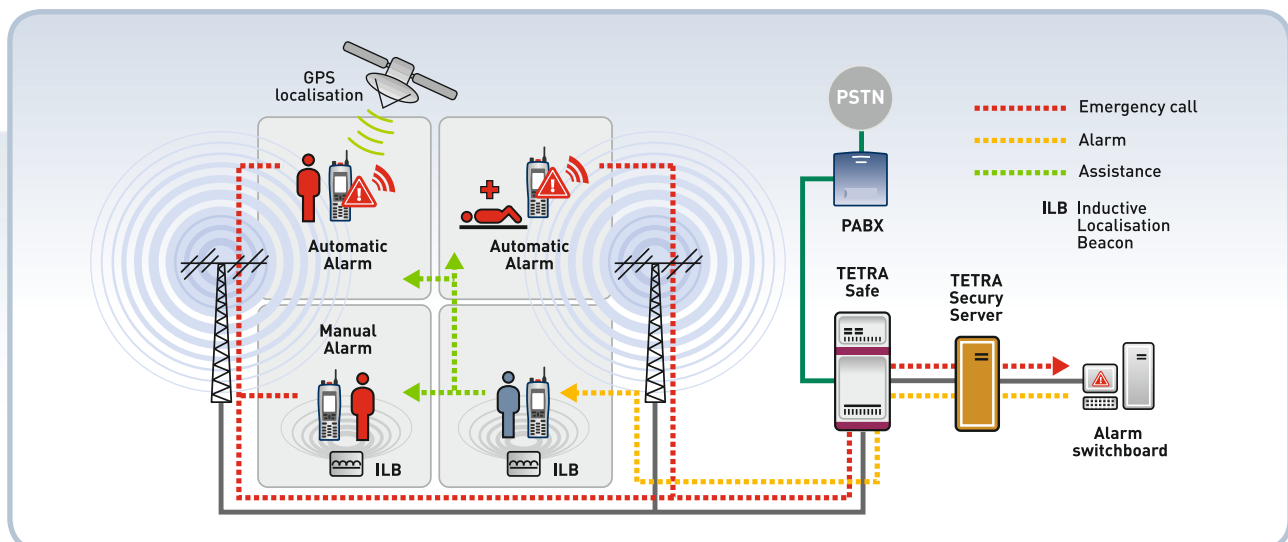
funkwerk FT4:
The TETRA industrial handset.

Equipped with comprehensive TETRA performance features, the funkwerk FT4 industrial handset is suited for operation not only in normal situations but also under harsh conditions in industrial environments and on construction sites. This is due to its IP 65-class protection—making it water-jet and dust-proof.

Thanks to its clearly demarcated and back-lit keys, the funkwerk FT4 is convenient to use even when wearing gloves. The outstanding display and symbol-based user-prompting ensure optimal control, even under conditions of poor visibility. An integral GPS module is available as an option, allowing localisation in outlying areas.

funkwerk FT4	5.010.910.100
funkwerk FT4 with GPS	5.010.911.100

Highlights of the funkwerk FT4 series:

▶ High resolution 2,2" TFT colour display, 240 x 320 pixels (QVGA), 262 000 colours

▶ IP 65-class protection (water-jet and dust-proof) —suitable for outdoor use

▶ Robust, impact-resistant casing with full rubber encapsulation for additional shock absorption

▶ Illuminated, clearly demarcated keys for easy use—even with gloves

▶ Two microphones, one loudspeaker and earpiece for loud and clear audio communication

▶ Large red emergency button

▶ Individually assignable function keys

▶ Integrated GPS receiver (optional, depending on model)

▶ Various memory card slots in handset for E2E encryption and for storage of user-determined settings and parameters

Charger with additional charging slot for second battery

Robust, shock-resistant housing, illuminated keypad with good differentiation for use when wearing gloves

Technical data of funkwerk FT4 TETRA Handset:

Dimensions:	145 x 60 x 36 mm (without antenna)
Weight:	295 g with 1500 mAh battery
	325 g with 2700 mAh battery
Degree of protection:	IP 65, water and dust, according to IEC 60529
Temperature ranges:	Operation: –20 … +55 °C
	Charging: 0 … +40 °C
	Storage (without battery): –30 … +75 °C

Power supply:

Battery:	Lithium polymer battery, 3.7 V, 1500 mAh
	Optional: Lithium polymer battery, 3.7 V, 2700 mAh, including vibration function
Operating time:	Up to 8 h (5/5/90) with 1500 mAh battery
	Up to 14 h (5/5/90) with 2700 mAh battery

RF specifications:

Frequency range:	380-430 MHz, 410-470 MHz optional, other frequency ranges on request
RF Channel bandwidth:	25 kHz
Duplex spacing:	10 MHz (380–470 MHz)
RF transmit power:	1 Watt, performance class 4
Receiver class:	A&B
Transmit power regulation:	in 3 steps of 5 dB each
Sensitivity (static/dynamic):	-112 dBm / -103 dBm
Range extension (option):	3 dB gain antenna

Operating modes:

GPS (option):	integrated GPS antenna

Display:

High-resolution 2.2" TFT colour display
Up to 262,000 colours with 240 x 320 pixels (QVGA)

Keys / controls:

Operating concept for easy handling:	▶ Illuminated alphanumeric keypad
	▶ Operation even with gloves due to clearly differentiated keys
	▶ 3 lateral freely assignable function keys
	▶ Big and easily reachable emergency button with two-stage Secury emergency call alarm
	▶ 3 navigation and 2 selection keys for easy menu navigation
	▶ Two-level rotary button for volume and group selection

Phone book for telephone and radio users

Services:

Scan list function:	16 lists and 16 voice groups per list
Voice services (TMO):	Group call, Late Entry, Individual call, Half / full duplex, Telephony, Full duplex, Emergency calls in the TETRA and in the public network (e.g. 911)
Voice services (DMO):	Group call, Individual call, Emergency call to DMO group, Support for DMO gateway mode

Messages:

Status messages:	Definition of up to 32 status messages
Short messages:	Storage of up to 16 short messages (SDS)

GPS localisation: integrated GPS receiver module optionally available for all versions of the funkwerk FT4 series.

All TETRA handsets in the FT4 series are available with an optional GPS receiver. This allows the localisation of person and terminals by satellite, as well as the use of Automatic Vehicle Location (AVL).

By means of an AVL application (e.g. a dispatcher workstation with AVL) the actual position of terminals can be shown on a map. The terminals determine their position at preset intervals by means of the GPS and then send this data via the TETRA infrastucture (e.g. TETRA Safe) to the dispatcher's workstation, where they can be displayed on a map. In addition to showing actual positions, movement profiles for individual terminals can be shown as required, to manage workflow and processes.
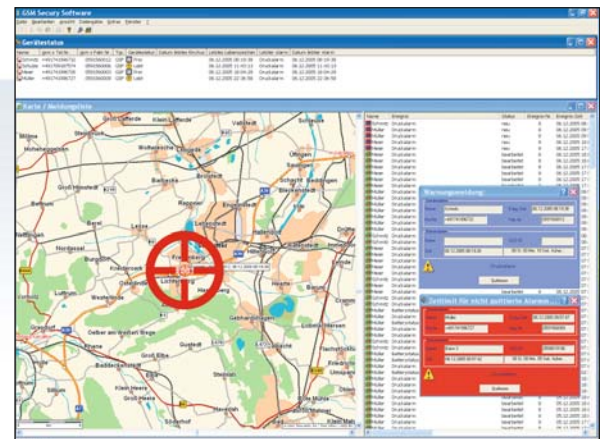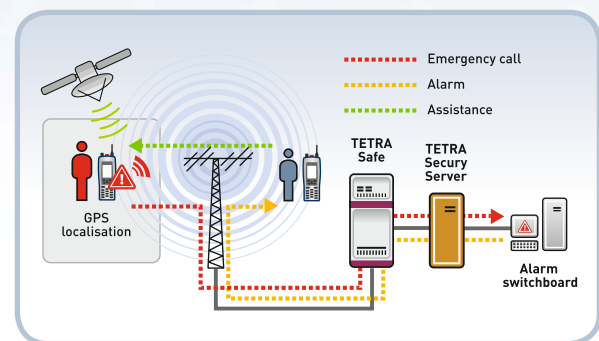
funkwerk FT4 S: the Secury handset for optimal personal security.

The funkwerk FT4 S handset provides mobile personal security (PES) for solitary workers in hazardous workplaces and is integrated with the funkwerk TSS TETRA security system —complying 100% with the BGR139 regulations of the German employers' liability insurance association and DIN V VDE 0825-1.

In addition to the standard performance features, the funkwerk FT4 S offers efficient integrated sensor and localisation functionality, with cyclic function testing. In addition to manual alarms (emergency and warning alarm), automatic alarm modes (position, loss, no-movement and time-dependent alarm), which comply with the German BG standards. An integral GPS module is available as an option, allowing localisation in outlying areas.

| funkwerk FT4 S | 5.010.930.100 |
| funkwerk FT4 S with GPS | 5.010.931.100 |

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Deutsche Gesetzliche
Unfallversicherung

vormals Hauptverband
der Berufsgenossenschaften   HVBG

Highlights of the funkwerk FT4 S series:

► Comprehensive integration of the personal emergency signal functions:

  ► Large red emergency pushbutton with two-stage Secury-alarm

  ► Integrated sensors for automatic recognition of alarm situations

  ► 4 manual alarms: Push (1+2), Warning (1+2)

  ► 4 automatic alarms: position, no-movement, time-dependent and loss

  ► Room and floor-specific localisation using inductive location beacons (ILBs)

  ► Contactless guard control function

  ► Cyclic life-check for technical alarm at the alarm control point

  ► Sensor and localisation test at log-on

  ► Log-in and log-out at alarm control point

  ► BG PNA certification for dangerous workplaces in accordance with BGR 139, DIN V VDE 0825-1

► High resolution 2,2" TFT colour display, 240 x 320 pixels (QVGA), 262 000 colours

► IP 65-class protection (water-jet and dust-proof) —suitable for outdoor use

► Robust, impact-resistant casing with full rubber encapsulation for additional shock absorption

► Illuminated, clearly demarcated keys for easy use —even with gloves

► Two microphones, one loudspeaker and earpiece for loud and clear audio communication

► Individually assignable function keys

► Integrated GPS receiver (optional, depending on model)

► Various memory card slots in handset for E2E encryption and for storage of user-determined settings and parameters

Technical data of funkwerk FT4 S TETRA handset:

Dimensions:	145 x 60 x 36 mm (without antenna)
Weight:	335 g (with 2700 mAh battery)
Degree of protection:	IP 65, water and dust, according to IEC 60529
Temperature ranges:	Operation: –20 … +55°C
	Charging: 0 … +40°C
	Storage (without battery): –30 … +75°C

Certification:

BG PNA (hazardous workplaces) according to BGR 139, DIN V VDE 0825-1

Secury functions:

Automatic alarms:	Position, no-motion, time and loss alarms, configurable reaction times
	Position alarm: Approx. 55° +/- 5%
Manual alarms:	Emergency call alarm (1+2), warning alarm (1+2), configurable: active/inactive
Guard control function:	Contactless
Localisation:	By inductive localisation transmitters

Energy supply:

Battery:	Lithium polymer battery, 3.7 V, 2700 mAh, including vibration function
Operating time:	Up to 12 h (5/5/90) with 2700 mAh battery

RF specifications:

Frequency range:	380-430 MHz, 450-470 MHz optional, other frequency ranges on request
RF Channel bandwidth:	25 kHz
Duplex spacing:	10 MHz (380–470 MHz)
RF transmit power:	1 Watt, performance class 4
Receiver class:	A&B
Transmit power regulation:	in 3 steps of 5 dB each
Sensitivity (static/dynamic)*:	-112 dBm / -103 dBm
Range extension (option):	3 dB gain antenna

Operating modes:

GPS (option):	integrated GPS antenna

Display:

High-resolution 2.2" TFT colour display

Up to 262,000 colours with 240 x 320 pixels (QVGA)

Keys / controls:

Operating concept for easy handling:	▶ Illuminated alphanumeric keypad
	▶ Operation even with gloves due to clearly differentiated keys
	▶ 3 lateral freely assignable function keys
	▶ Big and easily reachable emergency button with two-stage Secury emergency call alarm
	▶ 3 navigation and 2 selection keys for easy menu navigation
	▶ Two-level rotary button for volume and group selection

Phone book for telephone and radio users

Services:

Scan list function:	16 lists and 16 voice groups per list
Voice services (TMO):	Group call, Late Entry, Individual call, Half / full duplex, Telephony, Full duplex, Emergency calls in the TETRA and in the public network (e.g. 911)
Voice services (DMO):	Group call, Individual call, Emergency call to DMO group, Support for DMO gateway mode

Messages:

Status messages:	Definition of up to 32 status messages
Short messages:	Storage of up to 16 short messages (SDS)

Alarm types funkwerk FT4 S (Ex)

Push alarms

Position alarm

Loss alarm

No-motion alarm

Time alarm

funkwerk FT4 Ex: the TETRA handset with explosion protection.

The funkwerk FT4 Ex handset is an efficient TETRA radio for professional users. It is certified for use in areas with a high risk of explosion in accordance with the ATEX directives.

The funkwerk FT4 Ex is available in different versions: one for use as a competitively-priced ATEX radio with IIA T3 gas protection for use in most refineries, the other an explosion-proof handset complying with the highest ATEX IIC T4 directive. This version can be used safely in highly sensitive areas with more stringent gas protection requirements as well as with special gases having low ignition temperatures—for example in the chemical industry or in special refineries.

funkwerk FT4 Ex (IIA T3)	5.010.920.102
funkwerk FT4 Ex (IIC T4)	5.010.920.100
funkwerk FT4 Ex (IIC T4) with GPS:	5.010.921.100

Technical data of funkwerk FT4 Ex TETRA handset:

Dimensions:	145 x 60 x 36 mm (without antenna)
Weight:	FT4 Ex (IIA T3): 359 g with 1500 mAh Ex battery
	FT4 Ex (IIC T4): 384 g with 1700 mAh Ex battery
Degree of protection:	IP 65, water and dust, according to IEC 60529
Temperature ranges:	Operation: –20 … +55°C
	Charging: 0 … +40°C
	Storage (without battery): –30 … +75°C

Explosion protection certification:

Certification FT4 Ex (IIA T3):	Gas: II 2G EX ib IIA T3
Certification FT4 Ex (IIC T4):	Gas: II 2G EX ib IIC T4
	Dust: II 2D Ex ibD125°C IP 6x

Power supply:

Battery FT4 Ex (IIA T3):	Lithium polymer battery, 3.7 V, 1500 mAh, explosion-proof, incl. vibration function
	Operating time: Up to 8 h (5/5/90)
Battery FT4 Ex (IIC T4):	Lithium polymer battery, 3.7 V, 1700 mAh, explosion-proof, incl. vibration function
	Operating time: Up to 12 h (5/5/90)

RF specifications:

Frequency range:	380–430 MHz, 450-470 MHz optional, other frequency ranges on request
RF channel bandwidth:	25 kHz
Duplex spacing:	10 MHz (380–470 MHz)
RF transmit power:	1 Watt, performance class 4
Receiver class:	A&B
Transmit power regulation:	in 3 steps of 5 dB each
Sensitivity (static/dynamic):	-112 dBm / -103 dBm
Range extension (option):	3 dB gain antenna

Operating modes:

GPS (option):	integrated GPS antenna*

Display:

High-resolution 2.2" TFT colour display
Up to 262,000 colours with 240 x 320 pixels (QVGA)

Keys / controls:

Operating concept for easy handling:	▶ Illuminated alphanumeric keypad
	▶ Operation even with gloves due to clearly differentiated keys
	▶ 3 lateral freely assignable function keys
	▶ Big and easily reachable emergency button with two-stage Secury emergency call alarm
	▶ 3 navigation and 2 selection keys for easy menu navigation
	▶ Two-level rotary button for volume and group selection
Phone book for telephone and radio users	

Services:

Scan list function:	16 lists and 16 voice groups per list
Voice services (TMO):	Group call, Late Entry, Individual call, Half / full duplex, Telephony, Full duplex, Emergency calls in the TETRA and in the public network (e.g. 911)
Voice services (DMO):	Group call, Individual call, Emergency call to DMO group, Support for DMO gateway mode

Messages:

Status messages:	Definition of up to 32 status messages
Short messages:	Storage of up to 16 short messages (SDS)

*) Only FT4 Ex IIC T4 variants

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Quality made in Germany

Ex

funkwerk FT4 S Ex: the only TETRA handset with explosion protection and personal security functions.

As a high-end product of the funkwerk FT4 series, the funkwerk FT4 S Ex handset has the same comprehensive sensors as the funkwerk FT4 S as well as being certified according to the most stringent ATEX directive (IIC T4). All personal emergency signal functions can be used in highly sensitive and potentially explosive areas. Thanks to the IP 65-class protection, the funkwerk FT4 S Ex handsets also resist the harshest conditions.

The funkwerk FT4 S Ex is the first radio set to cover all known application scenarios and it is suitable for use in hazardous solitary working environments, such as in the chemical industry or in oil or gas companies. A version of the FT4 S Ex is also available with an integrated GPS module.

funkwerk FT4 S Ex	5.010.940.100
funkwerk FT4 S Ex with GPS	5.010.941.100

Technical data of funkwerk FT4 S Ex TETRA handset:

Dimensions:	145 x 60 x 36 mm (without antenna)
Weight:	394 g (with 1700 mAh explosion-proof battery)
Degree of protection:	IP 65, water and dust, according to IEC 60529
Temperature ranges:	Operation: –20 … +55°C
	Charging: 0 … +40°C
	Storage (without battery): –30 … +75°C

Explosion protection:
Gas:	II 2G Ex ib IIC T4
Dust:	II 2D Ex ibD T125°C IP 6x

Secury functions:
Automatic alarms:	Position, no-motion, time and loss alarms, configurable reaction times
	Position alarm: Approx. 55° +/- 5%
Manual alarms:	Emergency call alarm (1+2), warning alarm (1+2), configurable: active/inactive
Guard control function:	Contactless
Localisation:	By inductive localisation transmitters

Power supply:
Battery:	Lithium polymer battery, 3.7 V, 1700 mAh, explosion-proof, incl. vibration function
Operating time:	Up to 12 h (5/5/90)

RF specifications:
Frequency range:	380–430 MHz, 450-470 MHz optional, other frequency ranges on request
RF channel bandwidth:	25 kHz
Duplex spacing:	10 MHz (380–470 MHz)
RF transmit power:	1 Watt, performance class 4
Receiver class:	A&B
Transmit power regulation:	in 3 steps of 5 dB each
Sensitivity (static/dynamic):	-112 dBm / -103 dBm
Range extension (option):	3 dB gain antenna

Operating modes:
GPS (option):	integrated GPS antenna

Display:
High-resolution 2.2" TFT colour display	
Up to 262,000 colours with 240 x 320 pixels (QVGA)	

Keys / controls:
Operating concept for easy handling:	▶ Illuminated alphanumeric keypad
	▶ Operation even with gloves due to clearly differentiated keys
	▶ 3 lateral freely assignable function keys
	▶ Big and easily reachable emergency button with two-stage Secury emergency call alarm
	▶ 3 navigation and 2 selection keys for easy menu navigation
	▶ Two-level rotary button for volume and group selection
Phone book for telephone and radio users	

Services:
Scan list function:	16 lists and 16 voice groups per list
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Voice services (DMO):	Group call, Individual call, Emergency call to DMO group, Support for DMO gateway mode

Messages:
Status messages:	Definition of up to 32 status messages
Short messages:	Storage of up to 16 short messages (SDS)

Accessories

Chargers and power supply

Fig. 1: Desktop Charger for FT4, FT4 Ex, FT4 S and FT4 S Ex,
including additional charging slot for spare battery 5.010.981.000

Fig. 2: Desktop Station for FT4, FT4 Ex, FT4 S and FT4 S Ex,
for programming and parameterisation, including USB and serial
interface, including USB cable 5.010.982.000

Fig. 3: Car Travel Charger, for FT4, FT4 Ex, FT4 S and FT4 S Ex,
with 12 V cigarette lighter connector and socket for vehicle antenna 5.010.985.000

Fig. 4: Plug-in power supply unit, for Desktop Charger or
Desktop Station, EU plug: 5.900.602.876
UK plug: 5.900.602.933

Fig. 5: Travel charger, for FT4, FT4 Ex, FT4 S and FT4 S Ex 5.900.602.877

Fig. 6: Car travel Charger, for FT4, FT4 Ex, FT4 S and FT4 S Ex,
consisting of Car charger Cable FT4 (5.000.985.500) and Car Charger
Connecting Cable (5.900.603.518) 5.010.985.010

Fig. 7: Fourfold Charger, for FT4, FT4 Ex, FT4 S and FT4 S Ex,
with 4 charging slots, including power supply unit for vertical or
horizontal wall mounting, with EU Plug: 5.010.987.000
with UK plug: 5.010.987.010

Batteries

Fig. 1: Battery, 3.7 V, 1,500 mAh, for FT4 . . . . .5.010.984.000

Battery, 3.7 V, 2,700 mAh, including vibration, for FT4 and FT4 S
(without figure) 5.010.984.010

Battery FT4 Ex IIA, explosion-proof version, for FT4 Ex IIA,
1,500 mAh, including vibration (explosion proof mark
II 2G Ex ib IIA T3) (without figure) 5.010.984.030

Battery FT4 Ex IIC, explosion-proof version, 1,700 mAh, including
vibration (explosion proof mark II 2G Ex ib II C T4) (without figure) 5.010.984.020

Antennas

Fig. 1: Antenna 380–400 MHz, for FT4, FT4 Ex, FT4 S and FT4 S Ex 5.900.102.838

Fig. 2: Antenna 410–430 MHz, for FT4, FT4 Ex, FT4 S and FT4 S Ex 5.900.102.839

Fig. 3: Antenna 380–430 MHz, 3 dB Gain, for FT4 and FT4 S 5.900.102.888

Magnetic Mount Vehicle Antenna, 380–430 MHz, for Car Charger,
including antenna cable (5 m) (without figure). 5.900.102.980

Bags and quivers

Fig. 1: Leather bag for FT4 (Ex), open, sewn from solid leather,
for open wearing, fixed to belt (quiver) 5.010.988.010

Fig. 2: Leather bag for FT4 (Ex) / FT4 S (Ex), closed, without access
to accessories, sewn from solid leather, with sight window and belt clip 5.010.988.020

Fig. 3: Leather bag for FT4 (Ex) / FT4 S (Ex), closed, with access to
accessories, sewn from solid leather, with sight window and integrated
Klick-Fast Stud 5.010.988.030

Fig. 4: Chest harness (Ex) for leather bag (not included), sewn from
solid leather 5.010.988.090

Klick-Fast system

Fig. 1: Klick-Fast stud. 5.030.912.000
ATEX variant. 5.030.912.001

Fig. 2: Klick-Fast leather loop, 50 mm 5.030.912.040
ATEX variant. 5.030.912.041

Fig. 3: Klick-Fast fabric holder. 5.030.912.030
ATEX variant: 5.030.912.031

Fig. 4: Klick-Fast belt dock, for 32 mm belt width 5.030.912.010
ATEX variant, for 32 mm belt width 5.030.912.011
for 50 mm belt width 5.030.912.020
ATEX variant, for 50 mm belt width 5.030.912.021

Belt clip, with holder (without figure) 5.010.910.040
ATEX variant. 5.010.910.030

Software

Configuration Tool for FT4, for programming and parameterisation
of FT4 radio handsets, Technician version: .5.081.912.000

Other versions with different access levels are available upon request:

▶ Engineering

▶ Secury Admin

▶ Admin

▶ User

Accessories

PTT and microphone-speaker-combinations

Fig. 1: Com control PTT SAVOX C-C400, for direct connection to
FT4 and FT4 S, including FT4 connecting cable and socket for connecting
external headsets 5.030.910.250
ATEX variant: 5.030.910.200

Fig. 2: Universal Microphone/Loudspeaker SAVOX C-C 500, for direct
connection to FT4 and FT4 S, including FT4 connecting cable and socket
for connecting external headsets 5.030.910.150
ATEX variant: 5.030.910.100

Fig. 3: Speaker Microphone LOWE LEP7000, for direct connection to
FT4 and FT4 S, including FT4 connecting cable:. 5.030.911.950

Headsets

Fig. 1: Ultra-Light headset SAVOX G-C, for connection to C-C500 or
C-C400, including 4-pin quick-release connector (plug) 5.030.911.750
ATEX variant: 5.030.911.700

Fig. 2: Noise Com Unit SAVOX N-C, for high-noise environments, for
connection to C-C500 or C-C400, 4-pin quick-release connector (plug) 5.030.911.850
ATEX variant: 5.030.911.800

Fig. 3: Throat Microphone/Speaker Unit SAVOX T-M/T-C, for high-noise
environments under protective suits, for connection to C-C500 or C-C400,
quick-release connector, flexible, washable neck band. 5.030.911.050
ATEX variant: 5.030.911.000

Fig. 4: Multi-Purpose Headset SAVOX MP-H, flexible boom microphone
with all-round mounting system, for connection to C-C500 or C-C400,
quick-release connector, replacable windshield. 5.030.911.250
ATEX variant: 5.030.911.200

Helmet units

Fig. 1: Helmet-com Unit with bone-microphone/single speaker
SAVOX HC-1, for helmet mounting, for connection to C-C500 or C-C400,
4-pin quick-release connector (plug) 5.030.911.350
ATEX variant: 5.030.911.300

Fig. 2: Helmet-com Unit with bone-microphone/dual speaker SAVOX HC-2,
for helmet mounting, for connection to C-C500 or C-C400 4-pin
quick-release connector (plug), particularly suited for fire brigades and
rescue services 5.030.911.450
ATEX variant: 5.030.911.400

Fig. 3: Helmet-com Unit with integrated electret microphone SAVOX HC-E,
for helmet mounting, for connection to C-C500 or C-C400, 4-pin
quick-release connector (plug) 5.030.911.550
ATEX variant: 5.030.911.500

Lightweight headsets

Fig. 1: Lightweight headset LOWE LEP195/FT4, for direct connection
to FT4/ FT4 S, GSM style, integrated PTT and microphone in the cable 5.030.911.951

Fig. 2: 2-Wire Semi Covert Headset LOWE 2 Wire Kit/FT4, for discreet
operation and direct connection to FT4 and FT4 S, Mic./PTT with
clothing clip, accoustic tube with earpeace 5.030.911.954

Fig. 3: 3-Wire Semi Covert Headset LOWE 3 Wire Kit/FT4, for discreet
operation and direct connection to FT4 and FT4 S, miniature tie mic with
clothing clip, accoustic tube with earpeace, separate barrel style PTT. 5.030.911.953

Security. Everywhere.

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