funktel FM6

GSM Personal emergency signal device with localisation function

- **Personal safety and voice communication** in a single device

- **Certified for use by lone workers in hazardous workplaces**
  DIN VDE V 0825-11, DGUV 212-139

- **Transmission via 4G/LTE**
  alarm notification in the event of the absence of a GSM connection by means of an additionally integrated ISM radio module

- **Voice-activated user prompting** (multi-lingual)
  for logon and sensor test

- **Integrated personal emergency signal functions**
  - ▶ Pushbutton alarm (will-dependent/manual)
  - ▶ Position, no-movement, flight and time alarm (will-independent/automatic)
  - ▶ Alarm transmission to funktel alarm control centre

- **Pre-alarm,** individually parameterisable

- **Localisation functions**
  - ▶ By means of FM beacon localization transmitter
  - ▶ Outdoor localisation by means GPS/A-GPS
  - ▶ Loud aural localisation (loudspeaker)

- **Three freely programmable direct dialling buttons**
  can be operated with gloved hands

- **Speaker and hands-free function, vibrating alarm**

- **Robust industrial device, IP 65 protection class**

DGUV Test
ET
GS geprüfte Sicherheit
dguv.de/dguv-test

Quality made in Germany

Professional protection of your employees

funktel FM6

Handy, ergonomic, robust

Further features

- Voice communication and text messaging via SMS in the event of an alarm
- Alarm can also be relayed via ISM band by means of funktel Repeater, Wallbox, Gateway or Switch in the absence of a GSM network
- Prioritised alarm chain with up to 16 numbers as well as 16 SMS recipients
- Mailbox detection (tones can be detected or prompted)
- Geofencing function (GPS and Beacon)
- Configurable guard control function (GPS and/or beacon, by interval)
- Device parameterisation via remote maintenance (SMS)
- Robust industrial housing (drop tested), IP65 protection class (dust tight and water tight against light-pressure water from any angle)

Safety features

- Certified for use by lone workers in hazardous workplaces in accordance with DIN VDE V 0825-11, DGUV 212-139 (in conjunction with funktel alarm control point)
- Automatic voice connection in the event of an alarm
- Sensor test when registering or logging on
- Cyclic life-check with automatic transmission of technical alarms
- Automatic depleted battery notification to control centre
- Manual emergency call triggering, even if the device is switched off
- Plain text messaging via SMS to first responder points
- Emergency call triggering in the event of failure to use the device (daily „I'm OK" function)
- Emergency call types can be parameterised individually
- Automatic pick-up and hands-free (only when called by programmable emergency call number)
- Alternative emergency call number and redialling
- Muting function for hold-up/hostage scenarios
- Monitoring of GSM coverage

Technical data of the funktel FM6

Part No.:	5.010.430.400
Dimensions:	115 mm x 44 mm x 25 mm, plus clip
Mass:	100 g incl. clip
Protection class:	IP 65 (dust tight, water jet-protected)
Drop height:	1,6 m (on concrete)
Temperature range:	Operation: -10 °C … + 55 °C Charging: 0° C … + 45 °C Storage: -10 °C … + 25 °C with battery
Power supply:	3.7 V lithium ion battery charged in associated charging cradle, 3-year service life (typical)
Talk time*:	up to 8 hours
Standby*:	200 hours without localisation (typical) 70 hours with indoor localisation (typical) 28 hours with outdoor localisation (typical)
Charging time:	< 5 hours
Personnel tracking:	Outdoor localisation by means of GPS, indoor localisation by means of FM beacon, aural localisation (loudspeaker)
GSM:	Dual band 900 / 1800 / 2100 MHz 3 V SIM card (MicroSIM)
ISM range**:	30 m (typically in open country)
ISM frequency:	863 MHz – 870 MHz (reserved for „Social Alarms")
Transmission power:	33 dBm at 900 MHz, 30 dBm at 1800 MHz, 24 dBm at 2100 MHz, 0 dBm at ISM
Administration:	ISM Configurator/GSM
Aural elements:	Front loudspeaker for calls Rear loudspeaker for hands-free operation and signal tones, omnidirectional microphone
Control elements:	Large buttons: Alarm and voice call control Small button: On / Off / Daily button
Vibrator:	Call signalling, keystroke, alarm
Indicator elements:	Top LED: green, blue, yellow UMTS/GSM status indicator / indicator elements Centre LED: red, alarm status indicator Bottom LED: yellow / green, battery and charging status indicator
Directives:	Radio Equipment Directive RED 2014/53/EU EMC-Directive 2014/30/EU RoHS Recast (RoHS2) Directive 2011/65/EU

*) Depending on the mode of operation
**) Depending on the structure of the building and variable environmental conditions

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