SWISSPHONE TRIO

SWISSPHONE

Highest protection for sole workers,
fastest intervention in the event of accidents

Security is a top priority for companies and organisations: Employees have to receive immediate help in the event of an accident and they have to be immediately notified in the event of an emergency. With its deliberate and automatic functions, the various possibilities of positioning (GPS and/or beacons via BLE) and the hybrid emergency call transmission via mobile radio, the SWISSPHONE TRIO meets the highest demands of a personal alarm signal device. Even when the workplace is isolated and in a remote location.

Range of application
- Inspection rounds (e.g. in power plants, sewage plants, dumps, etc.)
- Standby duties (e.g. service technician)
- Automated production facilities, storage rooms, cellars
- Forestry, tunnel and road building
- Security enterprises, care assistants, judiciary employees
- Facility Management

Key features

》 Manual alerting function:
  - Emergency button

》 Automatic alerting functions (option):
  - Fall detection
  - Man down detection
  - Autonom-Lifecheck
  - Remote-Lifecheck

》 Position determination:
  - Outdoor (GPS)
  - Indoor (position transmitter)
  - Onsite (combination of both)

》 Emergency call transmission via mobile phone:
  Mobile data and / or SMS

》 Message reception via POCSAG

》 False alert prevention: mechanical key protection; pre-alert

DGUV Rule 112-139 from Germany (former BGR-139)
The Swissphone TRIO lone worker device features a function test and device monitoring in combination with the SOS portal, according to DIN VDE 0825-11 (German Standard). Companies can then enable their employees to initiate lone worker alarms manually as well as automatically (see above) in accordance with DGUV rule 112-139 (German Standard) or SUVA publication 44094, chapter 6.2 (Swiss Standard).

connect

SWISSPHONE TRIO

	Performance features	Technical Data	
Emergency call functions	Manual alerting function	• Emergency button	
	Automatic alerting function	• Fall detection • Man down detection • Autonom-Lifecheck • Remote-Lifecheck	
Standards, compliance and environmental conditions	Standards	ETSI EN 300390 EN 62368-1 EN 62209-2 EN 301489-1 /-2 / -17 / -52 EN 60068-2-6 EN 60068-2-27 EN 60068-2-31 EN 60529 ETSI EN 300328 ETSI EN 301511 ETSI EN 301908 *IP54 ensured with leather carry bag	(Radio: Receiver) (Saftey) (SAR) (EMC) (Vibration) (Shock) (Drop 1.5 m) IP52* (Radio: 2.4GHz ISM) (Radio: cellular) (Radio: UMTS)
	Temperature range	-20 to +55 °C, cellular module (-10 to +55 °C)	
POCSAG basic module	Frequency areas	VHF 4-m band 81- 88 MHz VHF 2-m band 146-155 / 155-164 / 164-174 MHz UHF 70-cm band 450-470 MHz	
	Frequency processing	PLL, frequency adjustable via programming software: • VHF 4m: up to ±0.5 MHz • VHF 2m: whole sub-band (9 / 10 MHz) • UHF: up to ±1.0 MHz	
	Channel spacing	12.5, 20/25 kHz	
	Sensitivity*: *typical value at 2 m UB (best position on „salty man"), GSM = off	@ 512 bit / s 3.0 µV / m @ 1200 bit / s 3.5 µV / m @ 2400 bit / s 4.0 µV / m	
	Signal strength indicator (RSSI)	5 bar display. More bars means stronger signal	
	Cap codes	• 32 Cap codes (RICs) with 4 sub-addresses each, frame independent, or • 128 single addresses (any combination of RIC and SubRIC) • 128 RIC names with 8 characters	
	Alerting	• Acoustics > 88 dB(A) @ 30 cm distance • Vibration • Bright display • Up to 64 user profiles or selectable RICs	
	Messages	• Over 100 messages of up to 253 characters • 128 fixed texts with 32 characters each can be stored • Up to two additional message folders • Pin secured message storage	
	Supports	• Express-Alarm® • On-Air-Programmierung	
Display and case	Display	• Fully graphical display • White backlit • Several different font sizes (lines x characters: 3x16, 4x21, 5x21 or proportional font size)	
	Dimensions (H x W x D)	80 x 53 x 24 mm	
	Weight (incl. battery)	110 g	
Power management	Type of battery	Lithium polymer; 480 mAh (charger included)	
	Operating time	POCSAG/GSM/GPS = approx. 12 to 16 hours	
GSM module	Frequency range	Dual band: 900 MHz (GSM 900 & E-GSM) 1800 MHz (DCS-1800, GSM-1800)	
	Transmitting power	Max. 2W @ 900 MHz Max. 1W @ 1800 MHz	
	Connections	SMS, GPRS class 10, operation mode class B	
	Network identification	Via valid SIM card	
GPS module	Channels	50	
	GNSS-System	GPS	
	Sensitivity in tracking mode	-162 dBm	
	Time to first fix	Cold: 30 sec, assisted: 3 sec, hot: 1 sec	
	Current time and date	UTC synchronization via GNSS	
Sensors	Emergency detection sensors	3-axial	
Options	Basic Protected Connected BGR-139	Connected if needed, just manual alerting function Connected if needed, automatic alerting functions, functional test Permanently connected (GPRS), status messages Permanently connected (GPRS), status messages, BGR-139	

Specifications subject to change