RES.Q FLEX

NEW

Future proof hybrid alerting

The RES.Q FLEX is Swissphone's most innovative alerting terminal. Alerts are received using the time-tested and reliable paging technology. Additionally, cellular networks can be used as a separate alert channel for increased resiliance. Cellular technology also enables different forms of feedback:

- **Technical feedback:** The RES.Q FLEX sends an acknow-ledgement to the operations center as soon as it receives an alarm. Alerts can be forwarded to deputies in case no acknowledgement is received in the operations center.

- **Tactical feedback:** The receiver of a message confirms whether he will attend or not. The officer in charge immediately knows the effective personnel strength and can alert additional rescue forces if necessary.

- **The cellular technology** channel can be used to send user availability or to monitor device status.

The **RES.Q FLEX XS II** is the basic model. It features an internal cellular 3G module to offer technical acknow-ledgements and tactical confirmations.

The **RES.Q FLEX L** is the top model of the RES.Q FLEX series, offering outstanding investment protection with 3G cellular technology, GPS outdoor and iBeacon indoor localisation.

Key features

- ⟩⟩ Technical and tactical feedback

- ⟩⟩ Sending and receiving status reports

- ⟩⟩ Exceptional paging reception also during mobile radio connectivity

- ⟩⟩ Hybrid alerting reception (paging & cellular technology)

- ⟩⟩ Positioning features (RES.Q FLEX L)
  - Outdoor: GPS
  - Indoor: iBeacon

- ⟩⟩ Manual alerting via cellular emergency button with position report (RES.Q FLEX L)

- ⟩⟩ 64 select as well as toggle profiles available

- ⟩⟩ 32 main addresses

- ⟩⟩ Signal strength indicator (RSSI) for paging & cellular

- ⟩⟩ Option: IDEA™ encryption (128 Bit)

- ⟩⟩ Option: multi-channel, scanner in one device

RES.Q FLEX

	Performance features	Technical Data		
Standards, compliance and environmental conditions	Standards	EN 62368-1		(Saftey)
		EN 62209-2		(SAR)
		EN 301489-1 /-2 / -17 / -52		(EMC)
		EN 60068-2-6		(Vibration)
		EN 60068-2-27		(Shock)
		EN 60068-2-31		(Drop 1.5 m)
		EN 60529	IP52*	
		ETSI EN 300328		(Radio: 2.4GHz ISM)
		ETSI EN 301511		(Radio: cellular)
		ETSI EN 301908		(Radio: UMTS)
		*IP54 ensured with leather carry bag		
	Temperature range	-20 to +55 °C, cellular module (-10 to +55 °C)		
POCSAG module	Frequency bands	VHF 2-m band 146-155 / 155-164 / 164-174 MHz		
		UHF 70-cm band 430-450 / 450-470 MHz		
	Frequency processing	PLL, frequency adjustable via programming software:		
		• VHF 2-m band: whole sub-band (9/10 MHz)		
		• UHF: ±1.0 MHz		
	Channel spacing	12.5, 20 / 25 kHz		
	Sensitivity*: *typical value at 2 m band (best position on «salty man»)	@ 1600 Bit / s 4.0 µV / m		
	Signal strength indicator (RSSI)	5 bar display. More bars means stronger signal		
	Cap codes	• 32 cap codes		
		• 32 names with 8 characters		
	Alerting	• Acoustic > 88 dB(A) @ 30 cm distance		
		• Vibration		
		• Bright display backlight		
		• Up to 64 user profiles or selectable capcodes		
	Messages	• More than 100 messages of up to 253 characters		
		• Up to two additional message folders		
		• 128 fixed texts with 32 characters each can be stored		
		• PIN secured message storage		
	Supports	• Express-Alarm®		
		• On-air programming		
	Options	• IDEA™ encryption (128 Bit)		
		• Multi-channel, scanner		
Display and case	Display	• White backlight		
		• Font sizes (lines x characters): 3x16, 4x21, 5x21 or 3/4/5 Lines proportional fonts		
	Dimensions (H x W x D)	80 x 53 x 24 mm		
	Weight (incl. battery)	110 g		
Power management	Type of battery	Lithium-polymer rechargeable battery 3.7V / 550 mAh (charger included)		
	Operating time	Paging only: ~ 400 h		
		Paging + data/SMS: ~ 40-70 h (response)		
		Paging + data/SMS + GPS: ~ 30-48 h		
GPS module (RES.Q FLEX L)	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		
Bluetooth LE module (RES.Q FLEX L)	Standard	Core V4.2		
	Supported features	Apple iBeacon (localization)		
Sensors (RES.Q FLEX L)	Emergency detection sensors	3-axial acceleration		
Accessories	Programming software	PSWplus		
	Chargers	LiGRA Expert		
	Carrying accessories	• Leather case		
		• Safety chain		

Specifications subject to change

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