

Swissphone RES.Q – DE955–G/GP

The first alert system with integrated feedback and localisation



The most important performance features

- > Confirmation and acknowledgement
- > Localisation and positioning
- > Geo alarm
- > Efficient follow-up alerting
- > Quality control of the alerting process
- > Supports ExpressAlarm™, TurboPaging, On-Air Programming and IDEA™ encryption

Alerting / Fire services / Rescue services

- » Improved and innovative solutions are in high demand. With ever changing requirements providers must continue to find efficient and flexible ways to meet the needs of the public safety industry. .
- » Swissphone's RES.Q combines paging, GPS and GSM in an all-in-one solution that presents many opportunities for optimizing integrated alert systems.

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Performance features	RES.Q DE955-G	RES.Q DE955-GP
Supported functions		
	Alerting Feedback channel with automatic confirmation of receipt Feedback channel with acknowledgment Remote configuration Express Alarm™ On-Air Programming (OAP)	
		Position querying Geo alarm Optimised operation time in GPS mode
Standards, approvals & environmental conditions		
Norms	ETSI EN 300 390 IEC 60068-2-27 (shock) IEC 60068-2-6 (vibration stressing) IEC 60068-2-32 (drop test) IEC 60529:1991 + A1:2000 IP52* * IP54 with BG/BGT protective bag (as an accessory) IEC 62209-2 (Specific Absorption Rate, SAR) EN 301489-1/-5/-7 (Electromagnetic Compatibility, EMC)	
Temperature range	-10 to + 55 °C	
Relative humidity	20 to 75 %	
Display & housing		
Display	Graphical display with white power illumination Display options (rows x characters): 4 x 21, 3 x 16, 5 x 21 or proportional in each case	
Dimensions	H x W x D (in mm) 80 x 53 x 24	
Weight (incl.battery)	102g	110g
Options		
Programming	Swissphone programming set Swissphone programming PSW plus 1.0 or higher	
Powermanagement		
Type of rechargeable battery	Lithium polymer rechargeable battery; 480 mAh Charger included in delivery	
Operating times* depending on programming parameters	POCSAG only = up to 500 hours POCSAG/GSM = up to 300 hours	POCSAG only = up to 500 hours POCSAG/GSM/GPS = up to 200 hours

Performance features	RES.Q DE955-G	RES.Q DE955-GP
POCSAG basic module		
Frequency bands	VHF 81 - 88 MHz (4 m band) VHF 146- 174 MHz (2 m band) UHF 450 - 470 MHz (70 cm band) (further frequencies on request)	
Channel spacing	12.5 or 20/25 kHz	
Sensitivity*: @ 512 Bit/s @ 1200 Bit/s @ 2400 Bit/s *typical value in the 2m-upper band (best position on saltyman), GSM = off	3.0 µV/m 3.5 µV/m 4.0 µV/m	
Frequency processing	PLL, adjustable reception frequency VHF: +/- 0.5 MHz adjustment range UHF: +/- 1.0 MHz adjustment range	
Addresses	32 RICs each with 4 subaddresses	
Alerting	Volume > 88 dB(A) at 30 cm 9 + 1 alert/user profiles Vibration alert	
Messages	Individual messages of up to 4096 characters 2 message folders, freely configurable, of up to 4096 characters 128 fixed texts, 32 characters can be stored for each	
GSM module		
Frequency ranges	Dual Band 900 MHz (GSM 900 & E-GSM) 1800 MHz (DCS-1800, GSM-1800)	
Transmitting power	Max. 2W @ 900 MHz Max. 1W @ 1800 MHz	
Connection	SMS, GPRS Class 10, operation mode Class B	
GPS module		
Frequency ranges		1575.42 MHz
Sensitivity in tracking mode		- 158 dBm
Current time & date		Synchronisation UTC using GPS
Sensor		
Acceleration sensor		3-axis

Specifications subject to change

For further information: www.swissphone.com

Hardware modules	RES.Q DE955-G	RES.Q DE955-GP
POCSAG	x	x
GSM	x	x
GPS		x
Acceleration sensor	x	x



Alert management of the future

From the control centre via the network to the terminal: Swissphone offers you perfectly harmonised, modular alert components to help you realise your own individual and optimal solutions.

System-side solution

Customers can choose which of the following system-side solutions they wish to employ for evaluating the feedback channel:

- **RES.Q CAD Integration** – For customer-specific integration in a control centre. Swissphone supplies the suitable interface (R module) and documentation for the integration. This is not dependent on the manufacturer of the computer-aided dispatch system (CAD)
- **RES.Q Stand-alone** – Solution for the existing Swissphone Digicom and I.SEARCH system with integrated R-module (on request)
- **RES.Q Provider** – This flexible web-based provider solution for organisations of all sizes can be accessed from every PC. The Web service allows the outcome of all the confirmations to be immediately forwarded as a message to the responsible incident manager.