MS POCSAG

MS POCSAG USB RS232

MS POCSAG LAN

Key specifications

> Outstanding reception characteristics

> 32 addresses (RICs) with 4 sub addresses each
  (128 discrete alert addresses)

> Address ranges

> Message output via RS232 or Ethernet

> RS232 model: 1 relay output
  (up to 6 outputs as an option)

> Configuration via USB or LAN with PSWplus

> BNC aerial socket (50 Ohm)

> 128 RIC names with 8 characters each
  (after the addresses)

> Option: IDEA™ message encryption (128-bit)

⟩⟩ The MS POCSAG LAN and MS POCSAG USB RS232 receivers can output messages via an Ethernet interface or an RS232 interface.

⟩⟩ POCSAG networks are easy to monitor thanks to the address ranges.

⟩⟩ **MS POCSAG USB RS232** features one isolated relay output as standard. 6 outputs can be actuated as an option. These outputs can be actuated individually and easily via the POCSAG network.

⟩⟩ Messages can be shown, for example, on a LED Scrollboard via the RS232 interface.

⟩⟩ Message text output and the outputs themselves can be actuated independently of one another.

⟩⟩ MS POCSAG can be used in **encrypted networks**. This enables, for example, outputs only to be switched if the correct key was used when the message was sent.

⟩⟩ Time authentication is supported to prevent replay attacks.

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Specifications	Technical data
Standards, approvals and environmental stipulations	
Standards complied with	ETSI EN 300 113
Temperature range	-20 °C to +60 °C
POCSAG basic module	
Frequency ranges (additional frequencies on request)	VHF 2 m band 146-174 MHz UHF 70 cm band 430-450 / 450-470 MHz
Frequency control	PLL, frequency can be tuned using the programming software VHF: ± 0.5 MHz UHF: ± 10.0 MHz
Channel spacing	12.5 / 20/25 kHz
Call sensitivity*: at 512 bit/s at 1200 bit/s at 2400 bit/s *Typical values (at 50 Ohm)	VHF UHF -117 dBm -123 dBm -116 dBm -121 dBm -115 dBm -119 dBm
Level measurement (RSSI)	From -48 dBm (max.) to -105 dBm (min. – accuracy ± 5 dB)
Number of addresses	• 32 main addresses (RICs) with 4 sub addresses each, frame-independent or • 128 individual addresses (any combination of RIC/sub RIC) • 128 RIC names with 8 characters
Alerting	• Up to 64 user profiles/switchable RICs
Messages	• POCSAG messages up to 253 characters • 128 fixed texts with 32 characters each, can be saved
Supported	• Turbo alerting • Express-Alarm® • On-air programming (OAP)
Options	• Message encryption: IDEA™ (128-bit)
Housing and interfaces Dimensions (H x W x D)	46 x 107 x 198 mm
Weight	450 g (525 g with 6 outputs)
Interfaces	• Serial interface for message text output • USB or Ethernet interface for programming and raw data output (transparent POCSAG decoder)
Digital outputs	• Maximum load 30V 1A (AC/DC) • Configurable switching patterns • Actuation on receipt of message, via OAP
Power management Input voltage Subject to change	5 VDC power supply plug (supplied as standard)

More information at www.swissphone.com

Express-Alarm®

With Express-Alarm®, patented by Swissphone, the addresses of the operations teams are grouped together and connected to a shared alert text. This reduces the data volume, thus significantly shortening the alerting time in comparison with conventional standard alerting.

IDEA™

IDEA™ encryption ensures complete discretion and utmost security in order that messages are encrypted throughout, from input to the pager, and cannot be read by unauthorised parties. An integrity code linked to the message protects messages from being changed in any way. The keys cannot be used fraudulently, even if a pager is lost.

RoHS
2002/95/EC