



# PRS 341 POCSAG REPEATER

## FEATURES

- PRS341 Repeater is a compact and intelligent repeater for use in any existing POCSAG paging networks.
- Main use is to enhance the field strength and therefore the availability of the paging receiving.
- Strict compliance with POCSAG transmission standard.
- Full compliance with the requirements of professional communication systems, including systems with high load.
- The configuration parameters allows manufacturer independent integration in any existing POCSAG paging network.
- Flexible configuration via terminal software enables the integration of the PRS341 Repeater in almost any existing POCSAG paging network.
- The optional UPS allows paging during power faults for up to 4 hours.
- An optional antenna switch supports the separation of the RX and TX path for special applications.
- Fully compliant with the original Oelmann SIRIUS IP—digital messaging system.

## TECHNICAL DATA

Frequency, MHz	- VHF 136-174 / 174-225 - UHF 320-380 / 400-470 / 450-520
Channel Spacing, kHz	12.5 / 20 / 25
Output Power, W	1 to 25 / 40*, 50Ω, programmable
Power Supply	230V AC, 12/24V DC*
Modulation	DFSK ±4kHz, POCSAG RPC No.1
Deviation	2.5% / 1kHz, 60% deviation
Message Format	POCSAG
Baud Rate	512 / 1200 / 2400
Dimensions, cm	48x13x38 / 3 HU 19" rack-mount 48x16x30 / desktop cabinet
Weight, kG, approx.	11 (all options installed)

\* by request

Specifications are subject to change without notice to improve reliability, function or design.

## FACTS

- POCSAG standard RF transmission
- POCSAG encoder, integrated
- IP / RS232 / USB
- 6 discrete inputs / 6 alarm outputs
- 1..25W, programmable
- 100% duty cycle at RF power up to 5W
- Professional VSWR tolerance
- N-type RF output connector
- Rack-mounted for installation in the existing 19" rack, desktop or wall-mounting\* cabinets.
- Mobile rack installation available by request.

## OPTIONS HARDWARE

- Antenna switch with RF power / VSWR monitor module
- Battery backup module
- 12 or 24 VDC power supply

## STANDARD DELIVERY CONTENTS

- 1 x PRS341 Repeater
- 1 x AC Power cable

