



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*, 500 Ω , programmable
Power Supply	230V AC, 12/24V DC*
Modulation	DFSK \pm 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.

Original Oelmann pagers, radio base stations with gateways to external telecommunication networks, as well as scalable operator's messaging software are available.



LX8



LX4



LX7



LX2