



PRS 341

POCSAG BASE STATION / REPEATER

FEATURES

- PRS341 is a compact base station and intelligent store-forward 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.

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

- 1x PRS341 Repeater.
- 1x AC Power cable.

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.



LX8



LX4



LX7



LX2

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