

OELMANN POCSAG BASE STATIONS FEATURES MATRIX

Feature	IS340	PRS341	PRS345	Notes
Frequency, MHz	– VHF 136-174 / 174-225 – UHF 320-380 / 400-470 / 450-520			– Strict compliance with the POCSAG transmission standard. – Dual-mode as standard POCSAG Transmitter or as POCSAG Repeater to enhance the paging coverage. – Modular design for the flexibility in configuration and use. – Full compliance with the requirements of professional telecommunication systems, including systems with high load. – The flexible configuration enables the integration of any PRS in any existing POCSAG paging network.
Channel spacing, kHz	12.5 / 20 / 25			
Output power, W	1 to 25 / 40*, 50Ω, programmable			
100% duty circle	100% duty cycle at RF power up to 5W			
Power supply	230V AC, 12/24V DC*			
Modulation	DFSK ±4kHz, POCSAG RPC No.1			
Deviation	2.5% / 1kHz, 60% deviation			
Main On-Air message format	POCSAG			
Baud Rate	512 / 1200 / 2400			
Dimensions	6HU	3HU	3HU	
Fault alarm relay	✓*	—	✓	Main power, antenna, RF-power
Repeater mode	✓	✓	✓	
ESPA	—	—	✓	4.4.4
Discrete opto-inputs	✓*	—	✓	Configurable
Discrete alarm relay outputs	✓*	—	✓	Configurable
GPS	✓	—	✓	Synchronisation
GSM / LTE	—	—	✓	Gateway to cellular messaging
WiFi	—	—	✓	Gateway to WiFi messaging
IP	✓	✓	✓	
RS-232S	✓	✓	✓	
USB	—	—	✓	
Oelmann SIRIUS IP messaging	✓	✓	✓	– Pagers administration – Pager fleet grouping – Preprogrammed messages / alarms – Editable templates for manual entry of text message
Antenna switch	✓	—	✓*	For a second / diversity transmitter (2x TX/RF redundancy)
VoIP	—	—	✓	
SNMP	—	—	✓	
NTP	—	—	✓	
Online monitoring	—	—	✓	
Battery / accu	✓*	✓*	✓*	
Online programming	✓*	✓*	✓	
Oelmann PRS modular design	✓	✓	✓	

* Optional, selected models or special functionality