



PARROT

SYSTEM PAR 485 MODBUS



The Parrot International PAR 485 is a “many to one” wireless cable replacement system consisting of 4-20 mA transmitters and one RS485 receiver.

Typically 25 4-20mA transmitters can connect to one RS485 receiver. The RS485 MODBUS output is ready to connect to any DCS, BMS or MODBUS system.

The transmitter and receiver are designed to fit on a standard DIN rail.

Incorporating the latest low power long range wireless LoRa technology, Parrot Wireless’s devices use sophisticated and highly robust Chirped Spread Spectrum (CSS) modulation techniques to provide best-in-class sensitivity, blocking performance and improved interference immunity.

Coupled with advanced Digital Signal Processing (DSP), Parrot Wireless achieves greater wireless range for minimal power consumption, making it suitable for mains and battery powered applications alike.

FEATURES

- Clips onto standard DIN rail
- Monitored for power and Tx/Rx failure
- Easy view LEDs for operational status
- AES 120 bit data encryption
- Modules requires a nominal 5-24VDC supply (+/- 10%)
- 24V or 5-12V battery powered mode
- Transmitter idle current: 35mA, 1mA in battery powered mode
- Modules are “colour coded” for easy identification
- SMA connection for external antenna

CERTIFICATION

- ISM Frequency Bands 868MHz (UK & Europe) & 915MHz (USA)
- Radio Compliance: ETSI RED (Europe)
- FCC Certified (USA) & IC (Canada) requirements
- UKCA compliant
- CE marked
- RoHS compliant
- Power Supply



MODULES

- Dispatched as a pre-programmed set of modules (up to 25 transmitters to one receiver)
- 4-20 transmitters are calibrated and ready to use



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