

WaveWare's General Purpose Paging Data Receiver

"We Deliver Information at the Speed of Light"

Model **RCD-1** (Remote Control and Data Module)



Available in VHF POCSAG, UHF POCSAG, and 900 band FLEX.

Specify operating frequency, cap code, and RF data rate (VHF/UHF only).

Also specify interface type: LED sign, PC data, Remote Switching, or LED sign with Annunciation.



Remote Control and Data Module.

Specifications:

Physical and Environmental Specifications

- Dimensions: 3.70" x 5.75" x 1.33" enclosure, not including connectors or antenna.
- Operating Temperature: -10 to +60°C
- Humidity: 95 % non-condensing
- RF I/O: external rubber duck antenna

General Electrical Specifications

- Power supply: +5VDC
- Power consumption: <80mA at 5V
- Frequency range: 150-160MHz (POCSAG)
- 450-470MHz (POCSAG)
- 929-931MHz (FLEX)
- Maximum message length: 2000 characters

Specifications of Receiver Section

- Receiver sensitivity (512 bps): 99% decode at 0.20uV measured at SMA connector.
- Adjacent channel rejection: 65dB
- Image and spurious rejection: 55dB
- Intermodulation rejection: 60dB
- Channel Spacing: 25 kHz

User Features

- Digital outputs: 1 Relay output, SPST-NO, Form A, 2A 30VAC or 30VDC rated capacity, 10mA minimum current load.
- Serial output: 2-wire RS-232 (TX and GND)
- Address codes: 6 cap codes with 4 function codes per cap code (POCSAG), or 16 cap codes (FLEX).
- Serial port baud rates: 2400, 4800, 9600, 19200, 38400.
- Control outputs: The relay output responds to commands similar to Motorola's *DataNet* RCD-1, e.g. 77XX and 7014X formats. The relay output can also be configured to automatically activate for X seconds on new message arrival.
- Auto clear message option, with programmable time out, if activated.