UHF Narrow Band Multi Channel Transmitter/Receiver

CDP-TX-02N/ CDP-RX-02N

The unique and compact CDP-02N is a frequency selectable radio data module for 434MHz UHF band. Both CDP-TX-02N (transmitter) and CDP-RX-02N (receiver) are equipped by frequency synthesizer system with microprocessor. Frequency range of CDP-02N is from 433.875MHz to 434.650MHz in 32 channels which are selectable by the use of an onboard 4 bits switch.

Small size, low voltage operation and frequency selectability of CDP-02N make it ideal for various applications in sites where many radio transmitters are operated.

Feature

- European EN300-220 compliance
- 32 frequency synthesized RF channels
- 5mW/10mW selectable
- Low voltage operation
- High sensitivity 300m range
- FM narrow band modulation and high frequency stability

Application

- Remote control systems
- Security systems
- Alarms
- Telemetry systems

CDP-TX-02N (Transmitter)

- PLL controlled VCO
- Frequency range: 433.875MHz to 434.650MHz
- Number of RF channels: 32 ch
- Channel step: 25kHz
- Frequency stability: +/-2.5kHz (-10 to +55 degree C)
- Modulation: FM Narrow
- Data input level: 2.2 - 12V
- Operating temp. range: -10 - +60 degree C

CDP-RX-02N (Receiver)

- Double Superheterodyne PLL synthesizer
- Sensitivity: -120dBm (12dB/SINAD at CCITT filter)
- Selectivity: +/-7.5kHz at -6dB point
- Demodulation: FM Narrow
- Distortion: <3% at 1kHz
- S/N ratio: 35dB overall (AF out)

Specifications are subject to change without prior notice.

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