CIRCUIT DESIGN, INC.

UHF Narrowband Telecommand Module

CDT-TX-02M, CDT-RX-03M 434 MHz

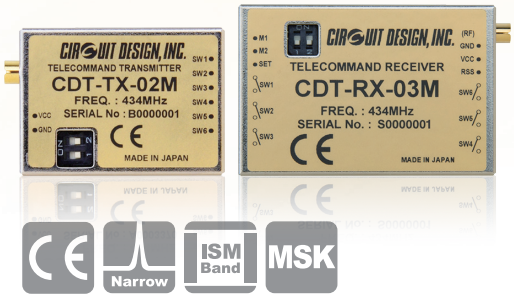
CDT-TX-02M and CDT-RX-03M are telecommand transmitter and receiver modules which are specially designed for switching signal transmission. The RF channel is fixed but selectable from 4 preprogrammed channels. In addition to the RF part, the module includes photo MOS relays (RX) in its robust metal housing.
A handy transmitter can be easily made by only connecting switches to the CDT-TX-02M.

Features

- 6 switch inputs and outputs
- Standby mode in TX
- 4 operation modes in RX
- Low voltage and consumption current
- Equipped with MSK modem
- Long range communication control
- CE marking

Applications

- Remote control for motor operated shutter blinds, garage doors, gates etc.
- Industrial remote control
- Security / Alarms
- Paging system



General

Parameter	Specification
Applicable standard	EN 300 220
Communication method	One way (MSK 1,200 bps)
Emission type	F2D (Sub-carrier MSK)
Communication range	500 to 1,000 m (Line of sight)
Number of RF channels	4 ch (Adjust using DIP switches)
Frequency*	434.075 / 433.920 / 434.600 / 434.700 MHz
Operating temperature	-20 to +60 C (No dew condensation)

CDT-TX-02M
Transmitter

Parameter	Specification
Oscillation system	PLL controlled VCO
RF output power	10 mW
Supply voltage	2.2 to 12 V (Max. rating 14.5 V)
Supply current	27 mA (TX), 1 uA (Stand-by)
Inputs	6 switch inputs (Negative logic)
Antenna	1/4 lambda whip antenna
Dimensions	36 x 26 x 8 mm (Excluding protrusion)
Weight	15 g

CDT-RX-03M
Receiver

Parameter	Specification
Sensitivity	-117 dBm (Level for stable operation)
Supply voltage	3.0 to 12 V (Max. rating 14.5 V)
Supply current	19 mA (6-output off), 55 mA (6-output on)
Operation mode	One-shot, Toggle, Switching, Continuous (Set by 3 input ports)
Outputs	6-photo MOS relay outputs
Output relay	Max switching voltage and current, 48 V 100 mA
Antenna	1/4 lambda whip antenna
Dimensions	53 x 35 x 12 mm (Excluding protrusion)
Weight	35 g

Specifications are subject to change without prior notice
*Other frequency: Please contact Circuit Design, Inc.

CIRCUIT DESIGN, INC.
https://www.circuitdesign.jp
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