

## UHF Narrow Band Single Channel Telecommand Module **CDT-TX-01 / CDT-RX-01A**

CDT-TX-01/RX-01A Telecommand modules are a fixed channel transmitter/receiver which are specially designed for switching signal transmission.

In addition to the RF part, the module includes MSK modem and Photo MOS relays (RX) in its robust metal housing. Handy transmitter can be easily made only connecting switching a board to CDT-TX-01.

### Feature

- 6 switch inputs and outputs
- Stand by mode in TX module
- 4 operation modes in RX
- Low voltage and consumption current
- Compact body
- MSK modem equipped
- Long range control
- EN 300 220 / EN301 489 compliance

### Application

- Remote control for motor operated shutter blind, garage door and gate etc..
- Industrial remote control
- Alarm system / Paging system
- Paging system
- Security system



### Common

Item	Specification	Condition
Frequency range	434.075MHz	*Other frequency
Communication form	One way	MSK1200bps
Communication range	500 - 1000m	Line of sight ( > 0 degree C)
Operating temp. range	-20 to +60 degree C	non-condensing

### CDT-TX-01 (Transmitter)

Item	Specification	Condition
Transmitter type	PLL controlled fix channel	
RF Output	10mW	
Supply voltage	2.2 - 12V	
Supply current	TX:25mA, Stand-by:1uA	
Input	6 Switch inputs	Negative logic
Antenna	Lambda/4 Whip antenna	
Dimension	36mm x 26mm x 8mm	Exclude protrusion

### CDT-RX-01A (Receiver)

Item	Specification	Condition
Sensitivity	-120dBm (BER:10 <sup>-2</sup> )	
Supply voltage	3 - 12V	
Supply current	6 Outputs Off:20mA, On:50mA	
Operation mode	One-shot, Toggle, Keying, Continue	Set by 3 input ports
Output	6 Photo MOS relay outputs	
Output relay	Max 48V, 100mA DC	
Antenna	Lambda/4 Whip antenna	
Dimension	53mm x 35mm x 12mm	Exclude protrusion

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

## CIRCUIT DESIGN, INC. International Business Division

<http://www.circuitdesign.co.jp/>

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7557-1 Hotaka, Hotaka-machi, Minamiazumi, Nagano 399-8303, Japan

Tel: +81-263-82-1024 Fax: +81-263-82-1016