

426 MHz band Narrowband Telecommand Module

CDT-TX-03M, CDT-RX-03M 426 MHz

CDT-TX-03M and CDT-RX-03M 426 MHz are specified low-power embedded radio modules operating in the 426 MHz band. The CDT-TX-03M module which is targeted for use in Japan, has the Technical Standard Conformity Certification mark meaning no radio licence or registration is required to use it. These modules 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 MOSFET (RX) in its robust metal housing.

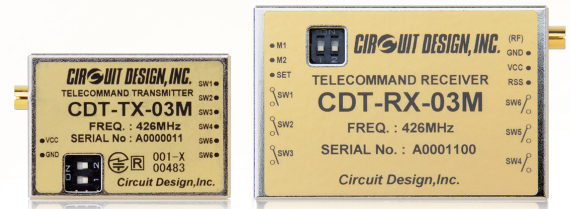
A handy transmitter can be easily made by only connecting switches to the CDT-TX-03M.

Features

- Contains the Technical Standard Conformity Certification mark
- Stand-by mode in TX
- 4 output modes in RX
- Long range communication control
- Equipped with MSK modem
- Communication range 500 to 800 m (Line of sight)
- Optional use with units WT-01 / WT-02 and WR-01
- 434 MHz version available (EU)

Applications

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



General

Parameter	Specification
Applicable standard	ARIB STD-T67 (Technical Standard Conformity Certification mark)
Communication method	One way (MSK 1,200 bps)
Emission type	F2D (Sub-carrier MSK)
Frequency	426.0250 / 426.0625 / 426.1125 / 426.1375 MHz
Number of RF channels	4 ch (Adjust using DIP switches)
Operating temperature	-20 to +60 C (No dew condensation)

CDT-TX-03M

Transmitter

Parameter	Specification
RF output power	1 mW
Supply voltage	2.2 to 12 V (Max. rating 14.5 V)
Supply current	10 mA (TX), 1 uA (Stand-by)
Transmission period	Transmission within 5 sec / rest 2 sec
Inputs	6 switch inputs (Negative logic)
Antenna	Only to be used with the specified antennas
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)
Output mode	One-shot, Toggle, Switching, Momentary (within 5 sec)
Outputs	6-photo MOSFET outputs
Output relay	Max switching voltage and current, 48 V 100 mA
Max. number of TX IDs	100
Dimensions	53 x 35 x 12 mm (Excluding protrusion)
Weight	35 g

This radio modem is only permitted for use in Japan.

Specifications are subject to change without prior notice