

《 Wireless Specifications 》

* Compliance Standard: 2.4GHz Low Power Data Communication System / Radio Equipment of Certification Regulation Article 2, Paragraph 1 Item 19 Radio Equipment Regulations Article 20 of 49 Paragraph 1



Compliance Standards	2.4GHz Low Power Data Communication System (Japan) / FCC Part 15C (US) / IC RSS 247 (Canada)		
Radio Wave Format	F1D	Modulation Method	GFSK
Frequency Band	2,403MHz ~ 2,478MHz	Communication Method	Simplex
Number of Channels	64CH	Antenna Power	2.1 mW

● Transmitter

Item	RC-242T	RC-248T
Input(s)	2 Push-Button	8 Push-Button
Output(s)	Buzzer (for checking push-button operation)	
Switches	2 Switches (8-Position DIP each)	
Display	1 LED (Red, Green)	
Power Source	2 AAA Alkaline Batteries	
Operating Environment	Temperature: 0-50°C (32-122°F) / Humidity: 35-80% or less (without condensation)	
External Dimensions	(W x H x D) 69 x 115 x 20 mm (2.7 x 4.5 x 0.8")	
Weight	approx. 120 g (4.2 oz) (with batteries and without the dedicated cover)	
Antenna	Build-in Antenna	
Battery Life	Without Answer-Back Setting: approx. 80 hours with a continuous press of a button (approx. 280,000 times at pressing once for 1 second) With Answer-Back Setting: approx. 40 hours with a continuous press of a button (approx. 140,000 times at pressing once for 1 second)	

● Small Transmitter

Item	RCS-242T	RCS-244T	RCS-246T	RCS-248T
Input(s)	2 Push-Button	4 Push-Button	6 Push-Button	8 Push-Button
Output(s)	Buzzer (for checking push-button operation)			
Switches	2 Switches (8-Position DIP each)			
Display	1 LED (Red, Green)			
Power Source	1 Coin Battery (CR2032)			
Operating Environment	Temperature: 0-50°C (32-122°F) / Humidity: 35-80% or less (without condensation)			
External Dimensions	(W x H x D) 45 x 90 x 12 mm (1.8 x 3.5 x 0.5")			
Weight	approx. 40 g (1.4 oz) (with batteries and without the dedicated cover)			
Antenna	Built-in Antenna			
Battery Life	Without Answer-Back Setting: approx. 10 hours with a continuous press of a button (approx. 36,000 times at pressing once for 1 second) With Answer-Back Setting: approx. 5 hours with a continuous press of a button (approx. 18,000 times at pressing once for 1 second)			

● Contact-Transmitter

* The contact-transmitter models for the US and Canada are TC-242TF and TC-248TF.

Item	TC-242T	TC-248T
Input(s)	2 Non-voltage Contact-Input / Contact Capacity: DC 5V / 20mA	8 Non-voltage Contact-Input / Contact Capacity: DC 5V / 20mA
Switches	1 Power Switch / 2 Switches (8-Position DIP each)	
Display	1 LED (Red, Green)	
Power Source	DC12-24V±10% *Usable at AC 100-240V input with an optional AC adapter	
Current Consumption	20mA or less (at DC 24V input)	35mA or less (at DC 24V input)
Operating Environment	Temperature: 0-50°C (32-122°F) / Humidity: 35-80% or less (without condensation)	
External Dimensions	(W x H x D) 103 x 85 x 26 mm (4.1 x 3.3 x 1.0") (excluding protrusions)	(W x H x D) 195 x 85 x 26 mm (7.7 x 3.3 x 1.0") (excluding protrusions)
Weight	Approx. 250 g (8.8 oz) (including antenna)	Approx. 480 g (16.9 oz) (including antenna)
Antenna	1 Dipole Antenna	

● Receiver

* The receiver models for the US and Canada are RC-242RF and RC-248RF.

Item	RC-242R	RC-248R
Output(s)	2 Contact-Output (Terminal Block: M3) Contact Structure / Configuration: MOS-FET / 1a Max. Rated Load: AC/DC 30V 0.5A	8 Contact-Output (Terminal Block: M3) Contact Structure / Configuration: MOS-FET / 1a Max. Rated Load: AC/DC 30V 0.5A
Switches	1 Power Switch / 2 Switches (8-Position DIP each)	
Display	2 Relay-Output LED (Red) / 1 Power LED (Red)	8 Relay-Output LED (Red) / 1 Power LED (Red)
Power Source	DC 24V±20%(DC 19-28V) *Usable at AC 100-240V input with the included AC adapter	
Current Consumption	50mA or less (DC 24V)	
Operating Environment	Temperature: 0-50°C (32-122°F) / Humidity: 35-80% or less (without condensation)	
External Dimensions	(W x H x D) 103 x 85 x 26 mm (4.1 x 3.3 x 1.0") (excluding protrusions)	(W x H x D) 195 x 85 x 26 mm (7.7 x 3.3 x 1.0") (excluding protrusions)
Weight	Approx. 250 g (8.8 oz) (with antenna and without AC adapter)	Approx. 480 g (16.9 oz) (with antenna and without AC adapter)
Antenna	1 Dipole Antenna	



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Remote Control Systems

1:1 / N:1 / 1:N
— Various Possible Combinations —



◆ The communication distance is approximately 20 m (21.9 yd) indoors and 50 m (54.7 yd) outdoors.
(The distance depends on operating environment.)

◆ A response has been improved by using a wireless 2.4 GHz band.

◆ Battery life has been extended due to lower power consumption.

◆ In addition to standard 2 and 8-button transmitters, we offer small 2, 4, 6 and 8-button transmitters and 2 and 8-button contact transmitters.

◆ There are 2 and 8-output receivers that can be used by combining with transmitter(s) at various configurations such as 1 to 1, 1 to N, and N to 1.

Product Line-Up

Small Transmitter

* The small transmitter comes with a dedicated cover.



[Option]
A strap to carry around conveniently
Strap
<STPS-450L>

The dedicated cover of the transmitter is removable.

Transmitter

* The transmitter comes with a dedicated cover.



The dedicated cover of the transmitter is removable.

Contact Transmitter

2-Input-Contact Transmitter
<TC-242T>

8-Input-Contact Transmitter
<TC-248T>



* An AC adapter for the contact transmitter is sold separately.
* Models for the US and Canada are TC-242TF and TC248TF.

Option



AC Adapter <ADB24050-C>
[For contact transmitter]

Receiver

2-Output Receiver
<RC-242R>

8-Output Receiver
<RC-248R>

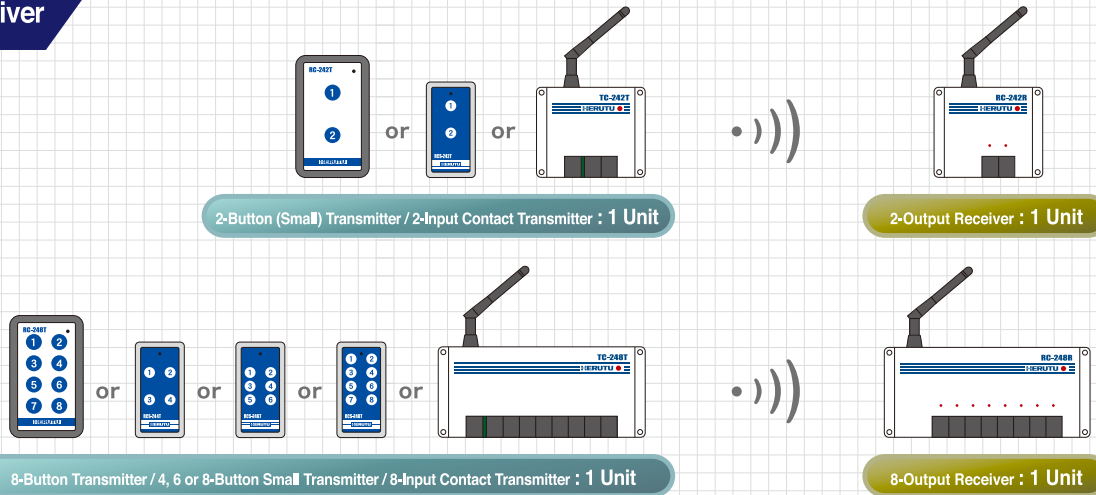


* The receiver comes with an AC adapter.
* Models for the US and Canada are RC-242RF and RC-248RF.

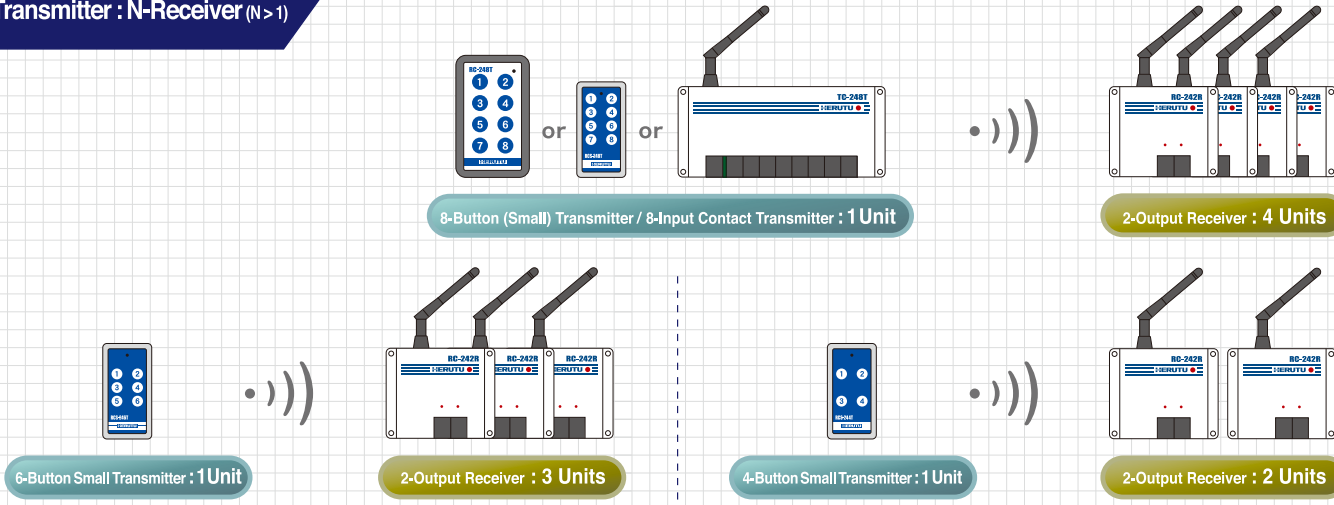
2.4GHz External Antenna <MB-13F-2>
[For receiver and contact transmitter]

Examples of Combination

1-Transmitter : 1-Receiver



1-Transmitter : N-Receiver (N>1)



N-Transmitter (N>1) : 1-Receiver

