

Radio Frequency Remote-Control

FM Remote-Control Receiver/Transmitter



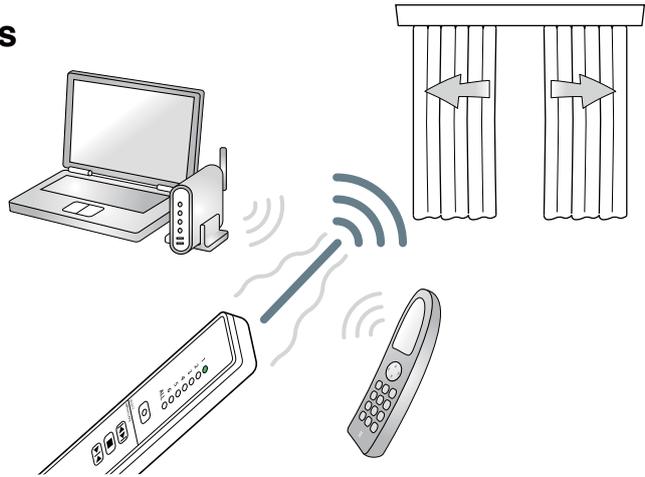
- Super reliable Remote-control transmitting and receiving device configured for the 2.4 GHz band.
- Compact shape with a built-in antenna.
- Various kind of operation patterns are available for Max. 120 units (6ch × 20 zone).

FM Remote-Control Receiver/Transmitter

FM Remote-Control Receiver/Transmitter's Unique Features

1. Multi-channel Access System makes for Reliable Transmissions

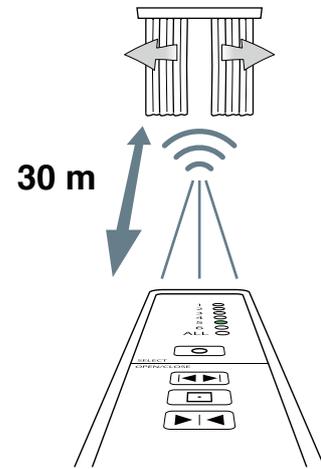
- Steady transmissions don't pick up interference from signals emitted by other devices.
- FM Remote-Control Transmitter 2.4G communicates on 3 wavelengths, so even in the event that one of them is subject to interference, steady transmissions are still possible.



2. Using strong radio frequencies

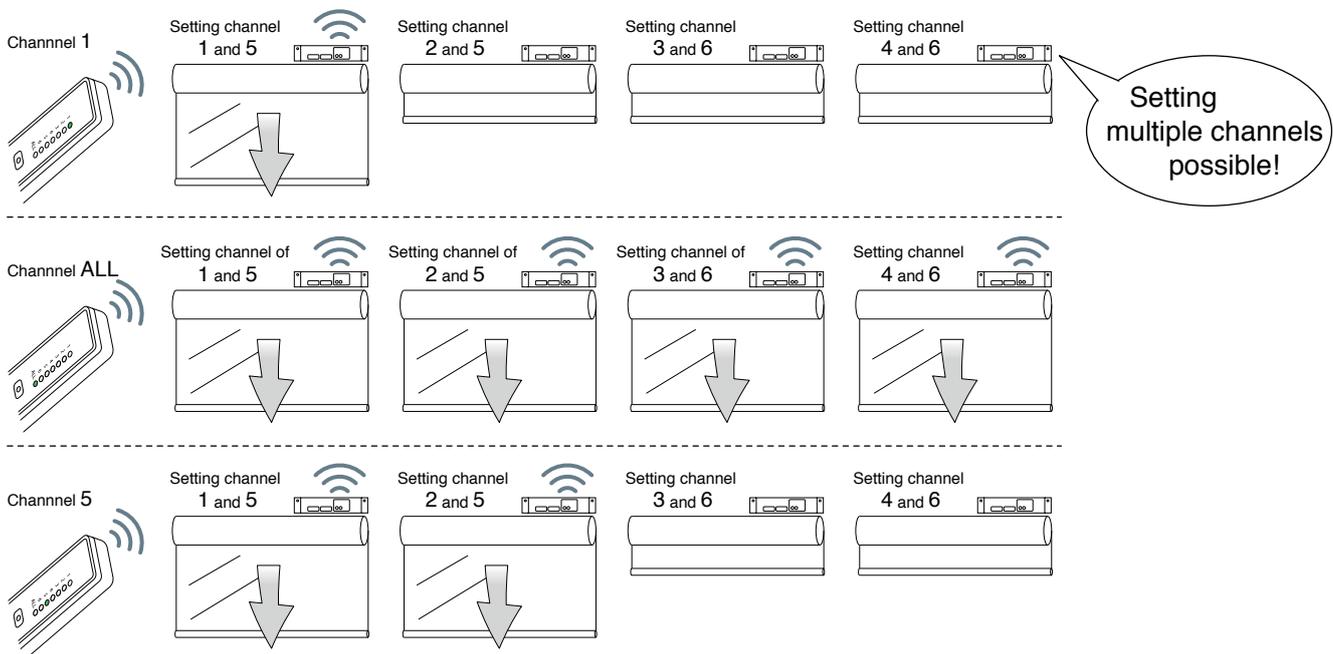
- Operable from a 30 m distance, thus making it possible to install it in a variety of places, such as in a high window.
- Our FM Remote-Control Transmitter 2.4G emits signals that are strong enough to make transmissions possible even if there are obstacles in the way.

*Subject to conditions.



3. Setting multiple channels in one receiver possible

- Multiple channels can be set in one receiver, so it is possible to send signals from even one transmitter to the receiver in which each of the channels has been set.
- So individual, simultaneous, and even various group operations can be performed.



4. Multi Remote Transmitter

Individual Control

- Max 120 units can be operated.
- (6ch × 20 Zone)

Zone Control

- Max 20 Zone (group) can be operated.

Simultaneous Control

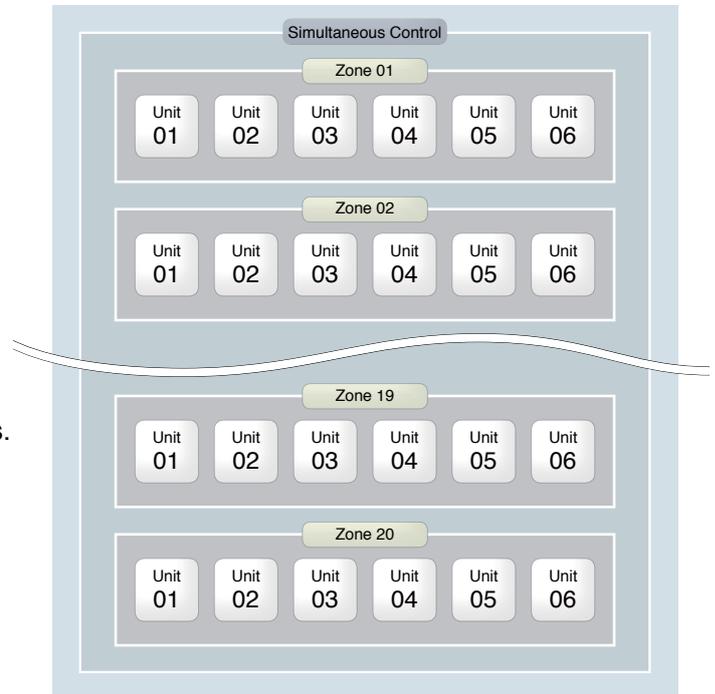
- Simultaneous operation is available.

Timer Control

- Timer operation is available.
- Simultaneous/zone × 20 patterns.
- 2 times/day

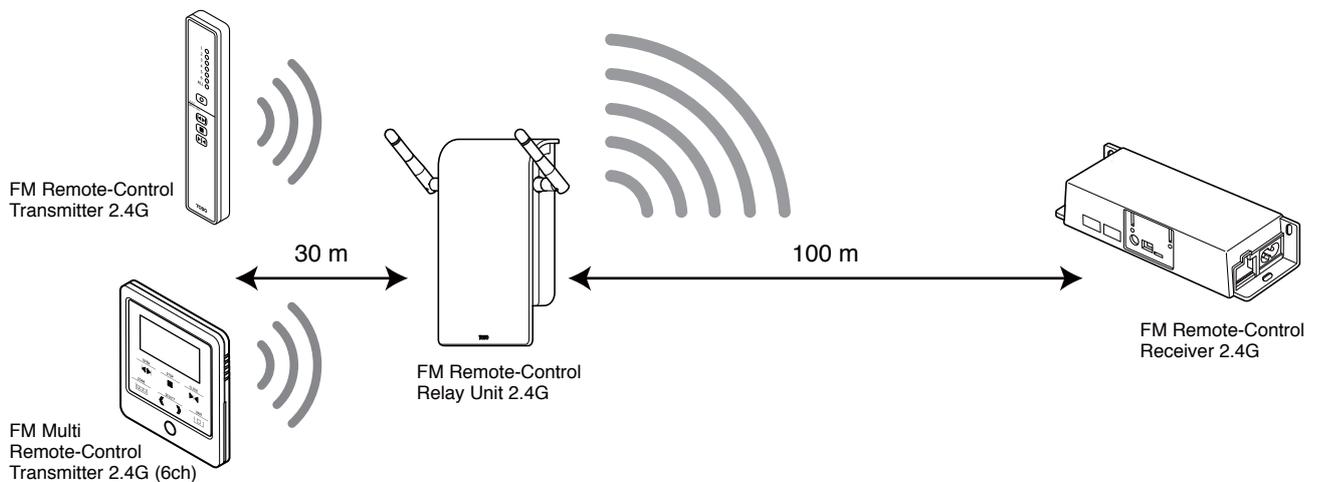


Touch Panel Screen has lighting guide to find appropriate switches according to various kind of situations.



5. FM Remote-Control Relay Unit 2.4G

- FM Remote-Control Relay Unit can transfer signal from Transmitter to receiver within 100 m per one unit. (Max. 15 units)

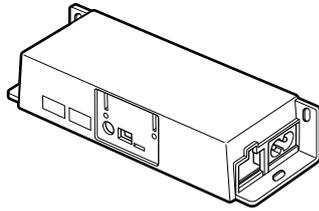


- Using FM Multi Remote-Control Transmitter and FM Remote-Control Relay Unit, it can operate TOSO motorized products without any wiring.

Products

FM Remote-Control Receiver 2.4G

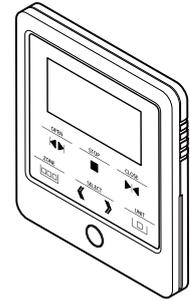
Receiver can be used with any TOSO product
 Can be used with all motorized curtain tracks and motorized blinds.



Multiple addresses can be set with one receiver
 Individual, simultaneous and group operation are possible when the address is properly set.

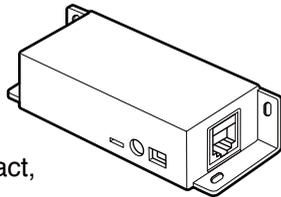
FM Multi Remote-Control Transmitter 2.4G

- Super reliable RF remote transmitter same as TOSO 6ch type.
- Various kind of operation patterns are available for 120 units.



FM Remote-Control Receiver 2.4G with IR Terminal

Compact body with a built-in antenna
 The antenna is built into the receiver, for a compact, beautiful design.

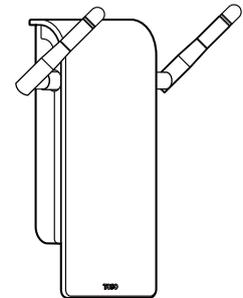


The built-in antenna fits snugly into the body, for attractive contours. The receiver draws power directly from operated products.
 No wiring or dedicated power supply required.
 *For the product with IR Terminal only. (Progress 25/50)

Multiple addresses can be set with one receiver
 Individual and simultaneous operations are both possible when the address is properly set.

FM Remote-Control Relay Unit 2.4G

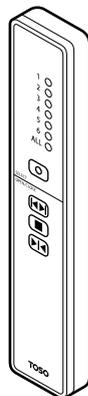
- It receives radio wave from TOSO FM Transmitter, to operate products with TOSO FM Remote Receivers.
- Two antennas are able to transmit received radio wave to 100 m.
- Radio wave are able to be transmitted forever if you put appropriate number of this relay unit without any registration works.



FM Remote-Control Transmitter 2.4G

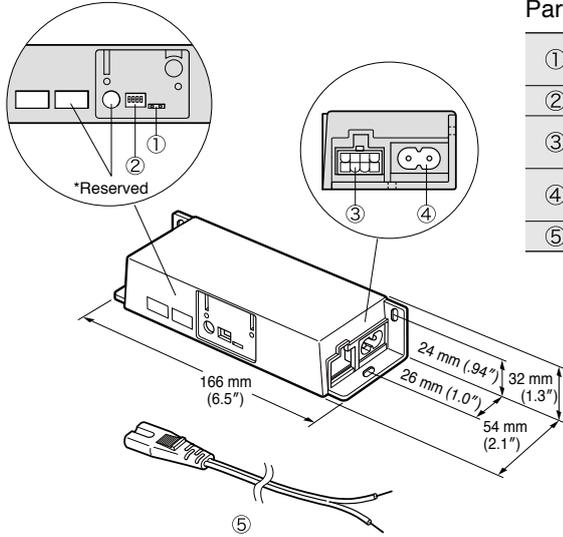
Six individual channel operations and simultaneous operations possible
 Individual and simultaneous operations are both possible when the channels are properly set.

Easy-to-read display
 You can tell at a glance which channel you are operating because of the easy-to-read LED lamp.



Product View

FM Remote-Control Receiver 2.4G



Parts Name

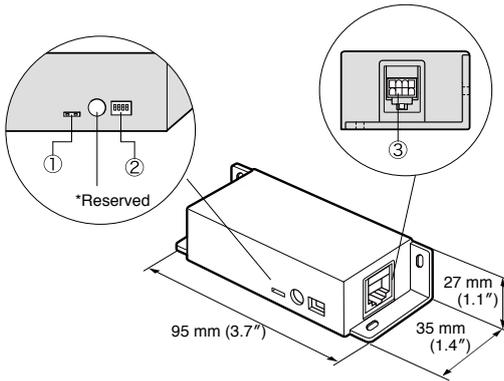
①	LED Indicator Lamp (red, green)
②	Selection Switches
③	FM RC Connection Terminal
④	Power Supply Terminal
⑤	AC Cord

Specification

Source Voltage	AC100V, AC220-240V
Power Frequency	50/60 Hz
Source Current	300 mA
Reception Frequency	2.4 GHz
Modulation	FSK
Output	Relay output
Protection	5A internal fuse
Ambient Temperature	0-50°C (Non-condensing)
Product Size	W 166 mm × H 54 mm × D 32 mm
Product Weight	Approx. 145 g
Antenna	Internal
Contact Rating	AC100V 2.5A, AC220-240V 1A



FM Remote-Control Receiver 2.4G with IR Terminal



Parts Name

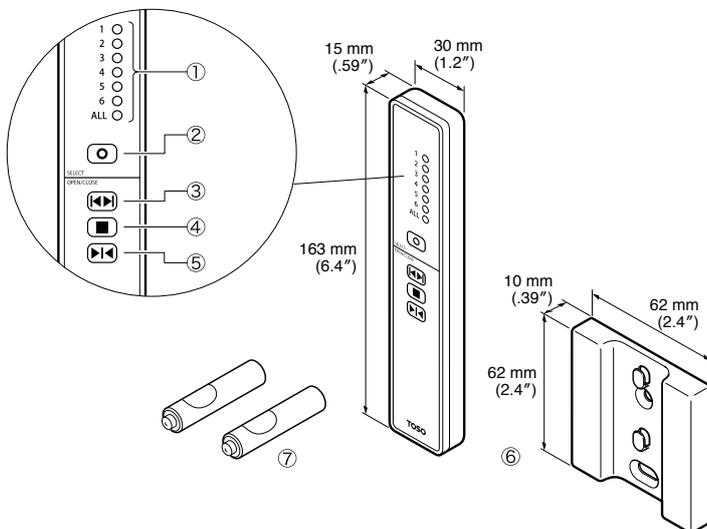
①	LED Indicator Lamp (red, green)
②	Selection Switches
③	IR Jack (6 poles, 4 cores)

Specification

Source Voltage	DC5V
Power Frequency	50/60 Hz
Source Current	40 mA or lower
Reception Frequency	2.4 GHz
Modulation	FSK
Output	Relay output
Ambient Temperature	0-50°C (Non-condensing)
Product Size	W 95 mm × H 35 mm × D 27 mm
Product Weight	Approx. 40 g
Antenna	Internal



FM Remote-Control Transmitter 2.4G



Parts Name

①	Address No. LED Indicator Lamp
②	Address No. Setting Button
③	Open Button
④	Stop Button
⑤	Close Button
⑥	Holder
⑦	Battery (4A dry cell batteries: 2 pcs.)

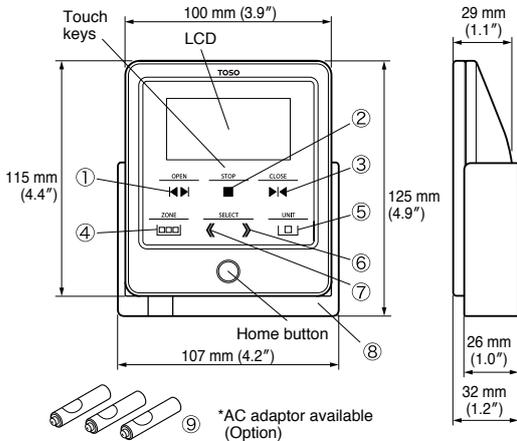
Specification

Source Voltage	DC3V (4A dry cell batteries × 2)
Source Current	30 mA or lower
Wave Frequency	2.4 GHz
Modulation	FSK
Number of Channel	1-6, (ALL for 6 CH)
Ambient Temperature	-10-50°C (Non-condensing)
Reaching Distance	30 m (varies depending on the condition)
Product Size	W 30 mm × H 163 mm × D 15 mm
Product Weight	Approx. 36 g



FM Remote-Control Receiver/Transmitter

FM Multi Remote-Control Transmitter 2.4G



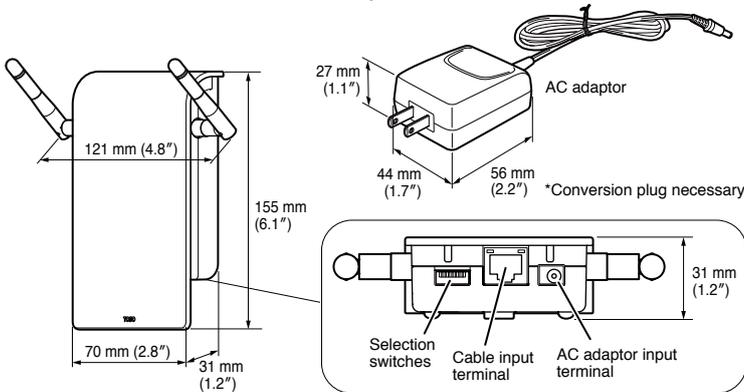
Parts Name	
①	Open Button
②	Stop Button
③	Close Button
④	Zone Selection Button
⑤	Unit Selection Button
⑥	"Right" Scroll Button
⑦	"Left" Scroll Button
⑧	Holder
⑨	Battery (4A dry cell batteries: 3 pcs.)

Specification

Source Voltage	DC 4.5V (3A dry cell batteries × 3)
Source Current	90 mA or lower
Wave Frequency	2.4 GHz
Modulation	One-way/Broadcast
Number of Channel	20 Zones × 6 Units (Max. 120 Units)
Ambient Temperature	-10~50°C (Non condensing)
Reaching Distance	30 m (varies depending on the condition)
Product Size	W100 mm × H115 mm × D29 mm (main body only)
Product Weight	290 g (Batteries included)



FM Multi Remote-Control Relay Unit 2.4G



Specification

Source Voltage	AV 100V~240V (AC adaptor)
Source Current	40 mA
Power Frequency	50/60 Hz
Reception Frequency	2.4 GHz
Ambient Temperature	-10~50°C (Non condensing)
Reaching Distance	100 m (varies depending on the condition)
Antenna	External
Product Weight	Approx. 140 g
Product Size	W70 mm × H155 mm × D31 mm (main body only)



Support for Products

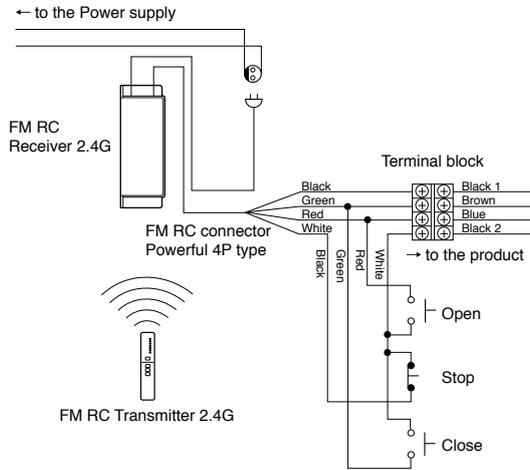
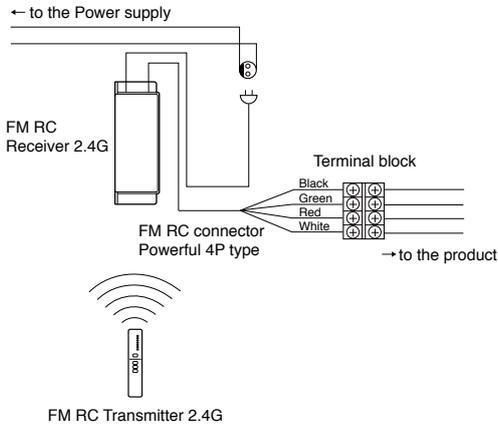
Product	Transmitter		Receiver		Connector		Terminal Block	Relay
	Transmitter 2.4G	Multi Transmitter 2.4G	Receiver 2.4G	Receiver 2.4G with IR terminal	Powerful 4P type	Non Voltage type	Modular Cord (6 pores, 4 cores)	Relay Unit 2.4G
	02390040	30006411	02390043	02390042	02390035	02390036	02380002	30006412
Motorized Curtain Tracks	Powerful 3L	○	○	—	○	—	—	○
	Powerful 3L-HM	○	○	—	○*	—	—	○
	Powerful Little N3L	○	○	○*	—	○	—	○
Motorized Venetian Blinds	Progress 25/50	○	○	—	—	○	—	○
	Ti-8040	○	○	○	—	○	—	○
	Venewood AT	○	○	○	—	○	—	○
Motorized Roller Blinds	ATF35-RB	○	○	○	—	○	—	○
	Mytec AT 220V	○	○	—	○	○	—	○
Motorized Roman Shade	ATF35-RS	○	○	○	—	○	—	○
	Super Liberta	○	○	○	—	○	—	○

*Select either one.

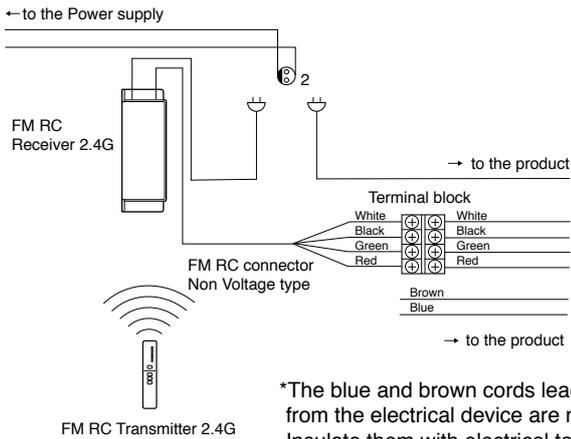
Basic Wiring and Connecting Diagram

FM Remote-Control Receiver 2.4G

Motorized Curtain Tracks—Powerful 4P, 4P-HL, 4P-HM, G4P

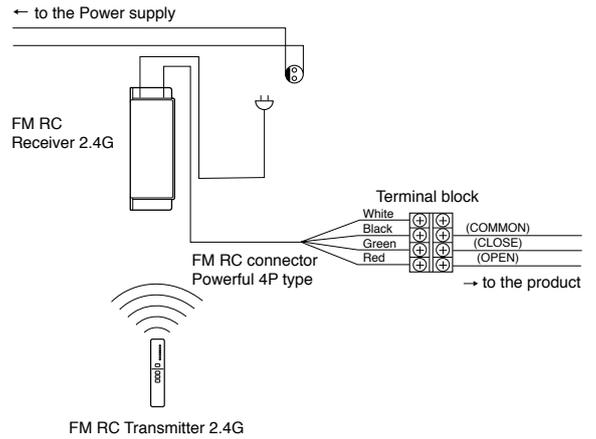


Motorized Venetian Blinds—Venewood AT



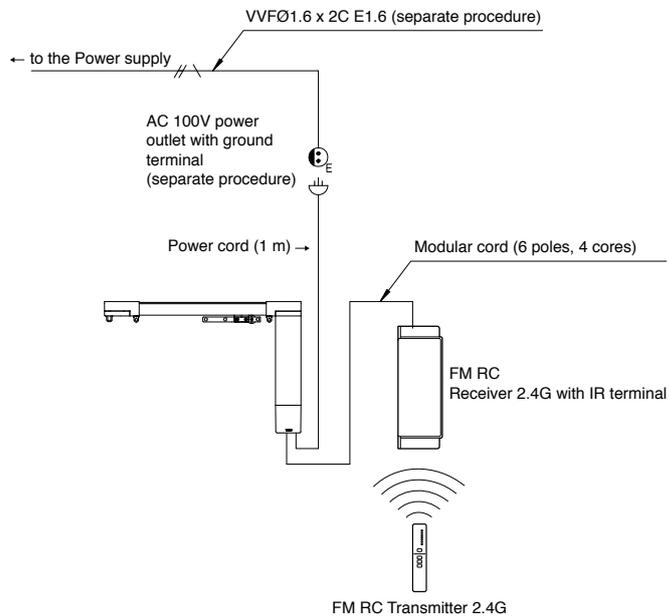
*The blue and brown cords leading from the electrical device are not used. Insulate them with electrical tape, etc.

Motorized Roller Blinds/Roman Shades —ATF35-RB, ATF45-RB, ATF35-RS, ATF45-RS

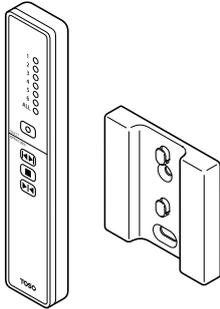
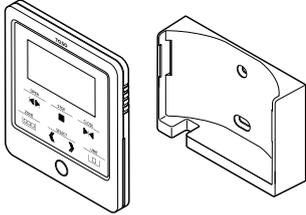
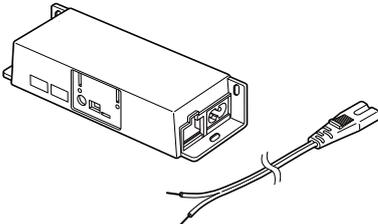
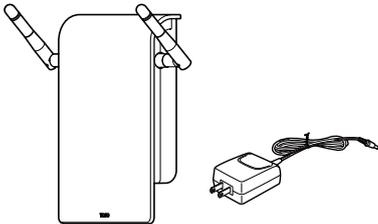
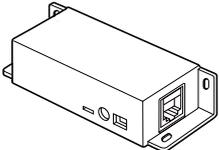
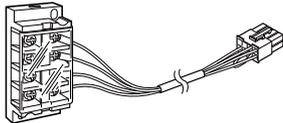
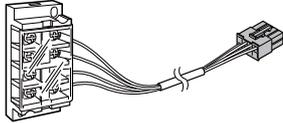
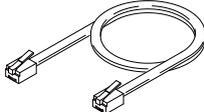


FM Remote-Control Receiver 2.4G with IR Terminal

Motorized Curtain Tracks—Progress 25/50



FM Remote-Control Receiver/Transmitter 2.4G Parts

Product Name	Product Code	Product Name	Product Code
FM Remote-Control Transmitter 2.4G 	02390040	FM Multi Remote-Control Transmitter 2.4G 	30006411
FM Remote-Control Receiver 2.4G 	02390043	FM Remote-Control Relay Unit 2.4G 	30006412
FM Remote-Control Receiver 2.4G with IR Terminal 	02390042		
FM Remote-Control Connector (Powerful 4P type) 	02390035		
FM Remote-Control Connector (Non Voltage type) 	02390036		
Modular Cord 1 m (six-poles, four-cores) 	02380002		