TOSO

Motorized Curtain Tracks

Ti-8040 CE Motor Set

No.N–260009 First edition

Instruction Manual

Thank you for purchasing TOSO products. To ensure safe use of this product, please read the following thoroughly and keep this manual stored.

Guide for Distributors and Installation Contractors

This manual contains information for a user to safely operate this product. Please provide this manual to a customer.

INDEX

- **Caution** · · ·

CAUTION

※This manual contains cautions and instructions for safe use of the product. Please read it carefully before use and ensure appropriate use.

- This document illustrates the dangers of using this product without taking necessary precautions. Please refer to below symbols for different types of safety points.

Warning	Illustrates when misused, there are dangers of serious injuries or possible fatal accidents.

Caution	Illustrates when misused, there are dangers of casualties or possible physical damage of the product.

- **This document illustrates safety points to be kept using below symbols.**

⊘	Illustrates specific conducts which are prohibited.

❗	Illustrates specific guidelines which are enforced.

■ Precautions upon Installing the Product

Warning

❗ Check the foundation base and strength of the material before installing this product. If not installed properly to the foundation base, there are dangers of it falling.

❗ Install a product as instructed with necessary quantity of brackets. If not the product may fall.

Caution

⊘ This product is intended for indoor use. Please do not use it for exterior purpose.

⊘ Locations subject to high temperatures and high humidity, or areas where water may leak, should be avoided.

❗ Make sure to install a product horizontally.



■ Safety in Use

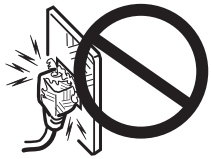
Warning



- Do not hang anything on this product or do not hang down. This may cause accident.
- Power source for this product is AC100V ～240V. Do not use any other power supply.
- This product supports our designated switch only. Do not use any other switch.



- Avoid any actions that may damage the power cord or plug. Using damaged components may result in electric shock, short circuits, or fire.



- Clean power plugs at regular intervals. Plugs exposed to moisture or to excessive dust may lead to insulation failures or cause fires.



- Avoid handling power plugs with wet hands. Doing so may result in electric shock.

Caution



- When there is strong wind, please either close the window or have the curtain completely open.
- Please do not dismantle the mechanical assembly nor lubricate the moving parts of this product. This will ensure physical damage or malfunction of the product.
- To avoid breakage and malfunction, do not disassemble this product.



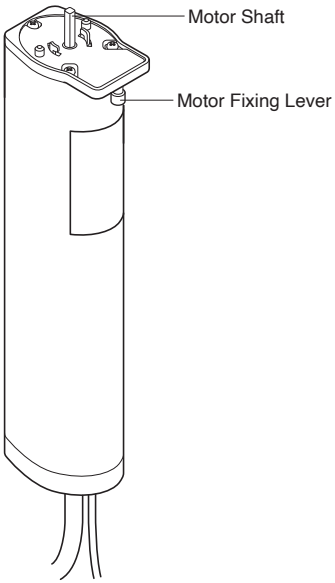
- Please do not use it by open flames.



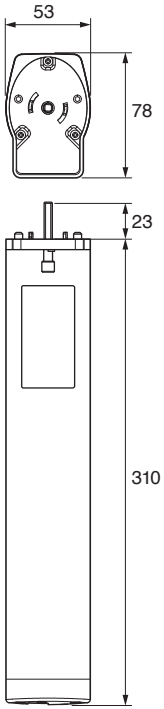
- Around the area where the screen is to open and close, please remember to clear all objects which may break when placed around the screen.

Product View and Parts Names

■ Product View and Parts Names

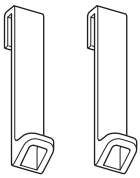


■ Ti-8040 CE Motor Set Dimensions (mm)



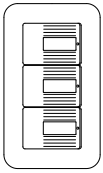
■ Accessories

● Curtain Hook x 2pcs

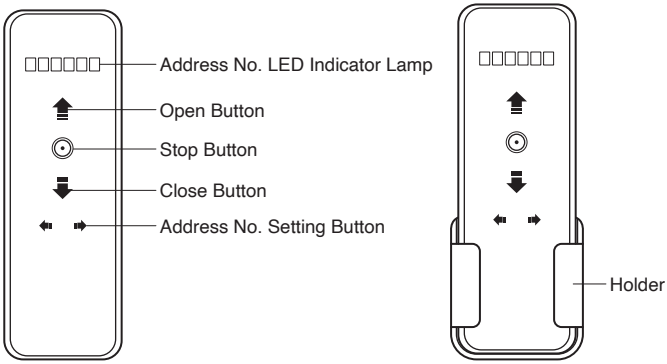


■ Optional (Sold separately)

● 3-button Momentary Contact Switch
(Wide switch plate + Inlay wide switch 3 button A)



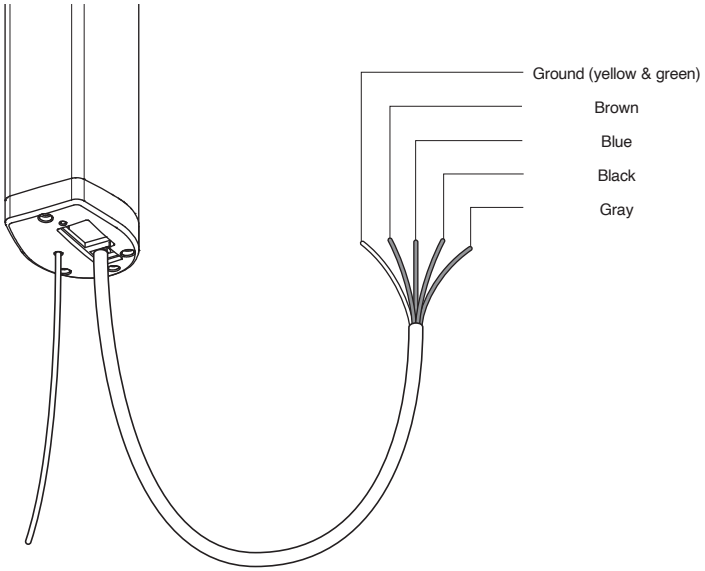
●Ti-8040 (6ch) FM Remote-Control Transmitter



Wiring / Connection Method

Caution

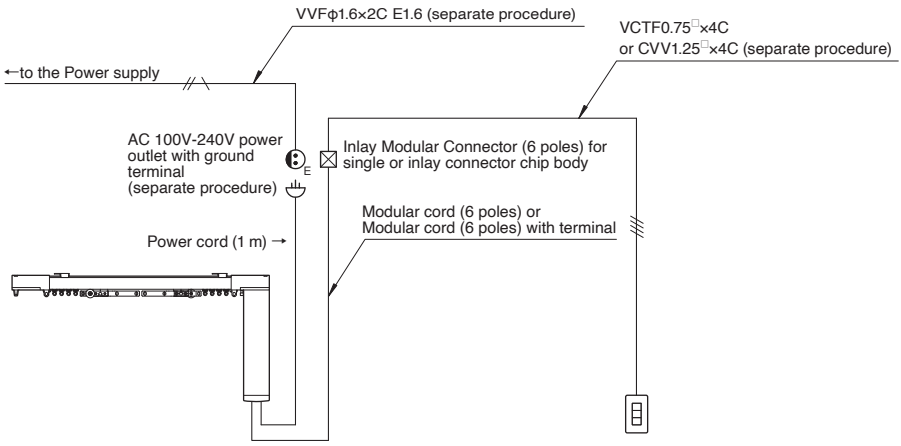
- Be sure to consult with a TOSO representative and an electrician before installing power cables/operation cables.
- Entrust the wiring and connection work to the electrical contractor.
- This product can be used with either a no-voltage switch or a voltage switch. Note that the method of connecting the product to the power line differs depending upon the type of switch used.
- Obtain a power plug and install it correctly.
- While the connection work is underway, do not activate the power. Failure to observe this precaution may lead to electric shock.



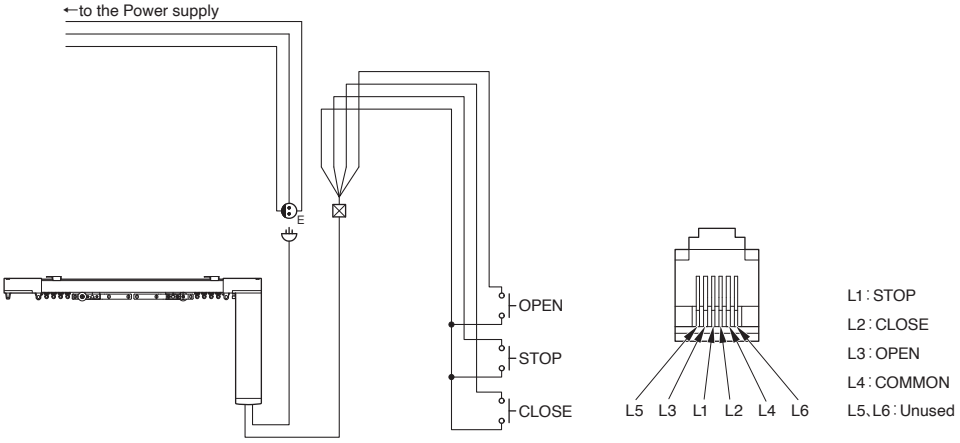
<When using a no-voltage switch> ※Power line 3-core type

■ Individual operation

● Wiring diagram

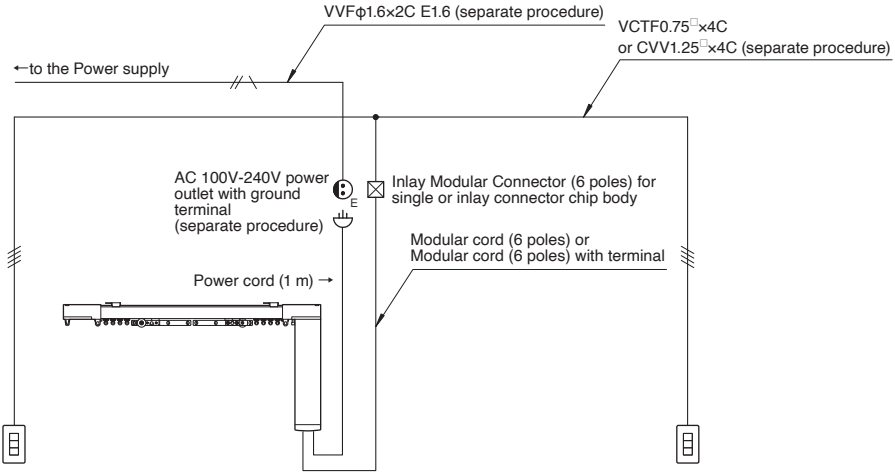


● Connection diagram

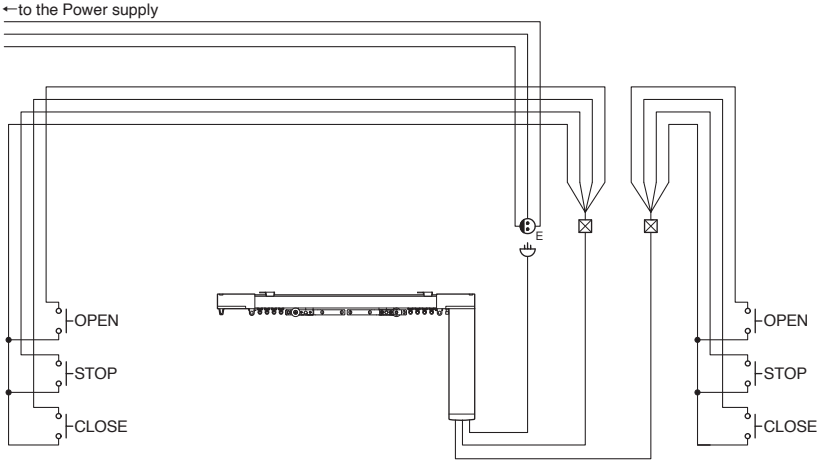


■ Two-point operation

● Wiring diagram

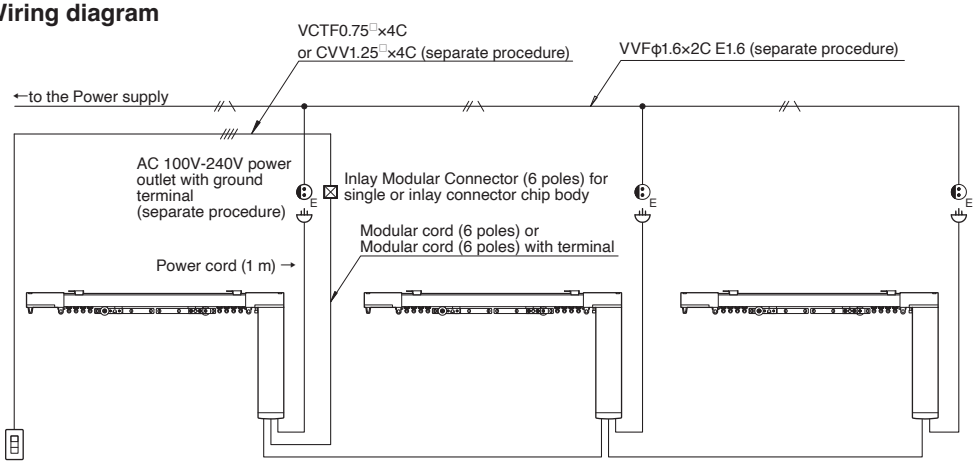


● Connection diagram

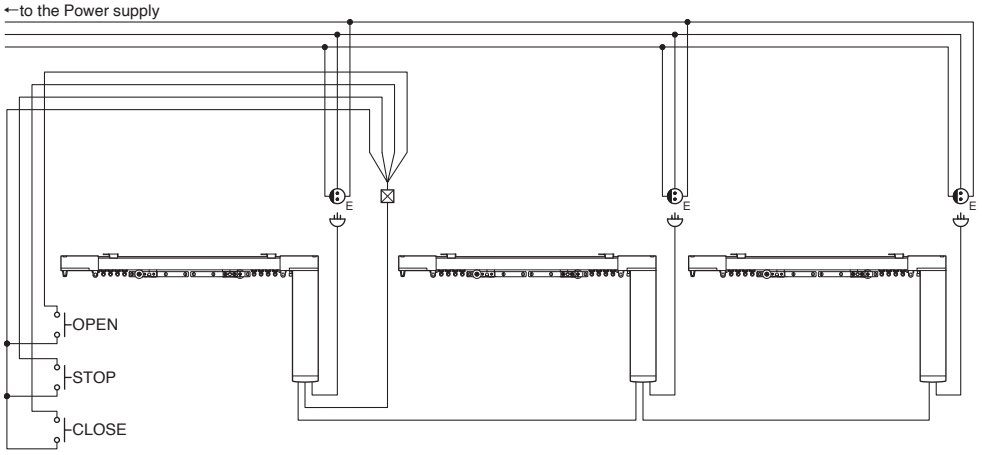


■ Simultaneous operation

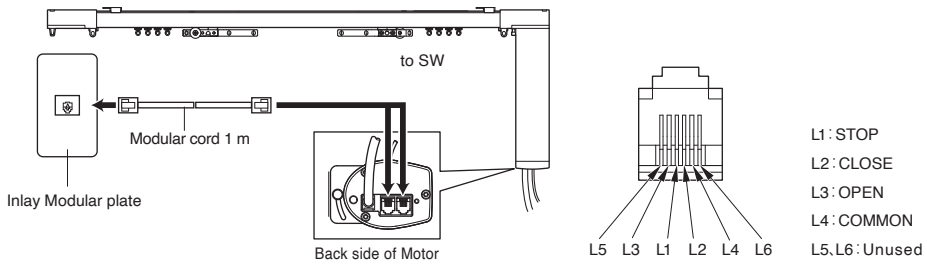
● Wiring diagram



● Connection diagram



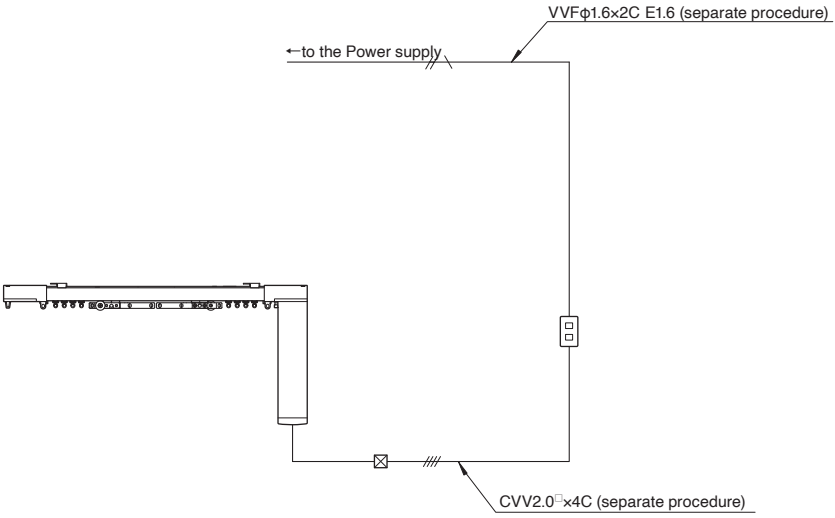
※Follow the procedures illustrated in the figures below to connect the switches to the main unit.



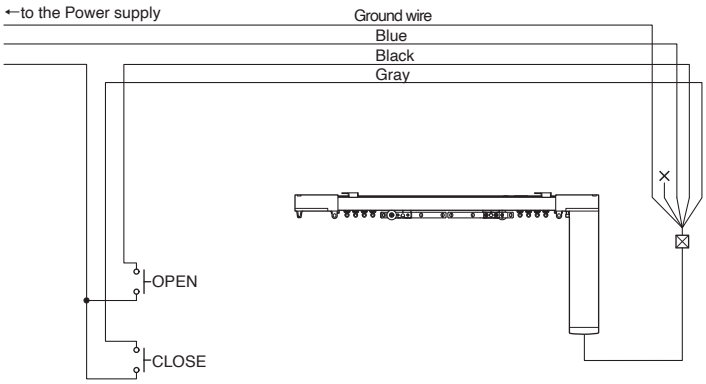
<When using a voltage switch> ※Power line 4-core type

■ Individual operation

● Wiring diagram



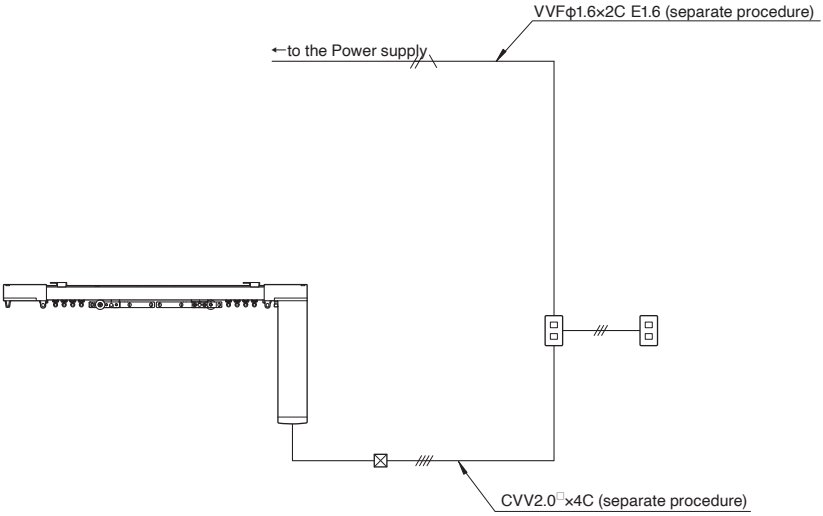
● Connection diagram



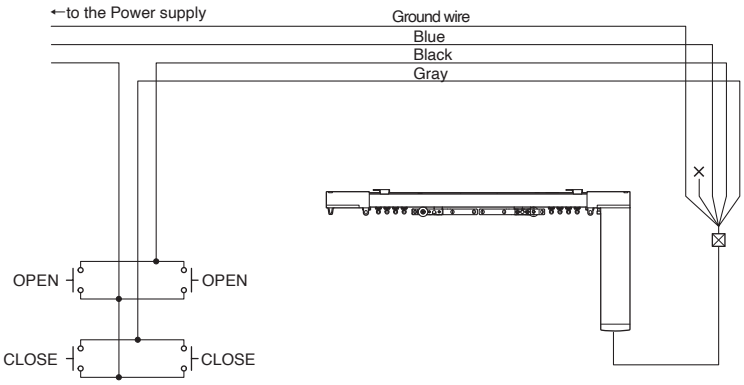
※Brown is not wired.

■ Two-point operation

● Wiring diagram



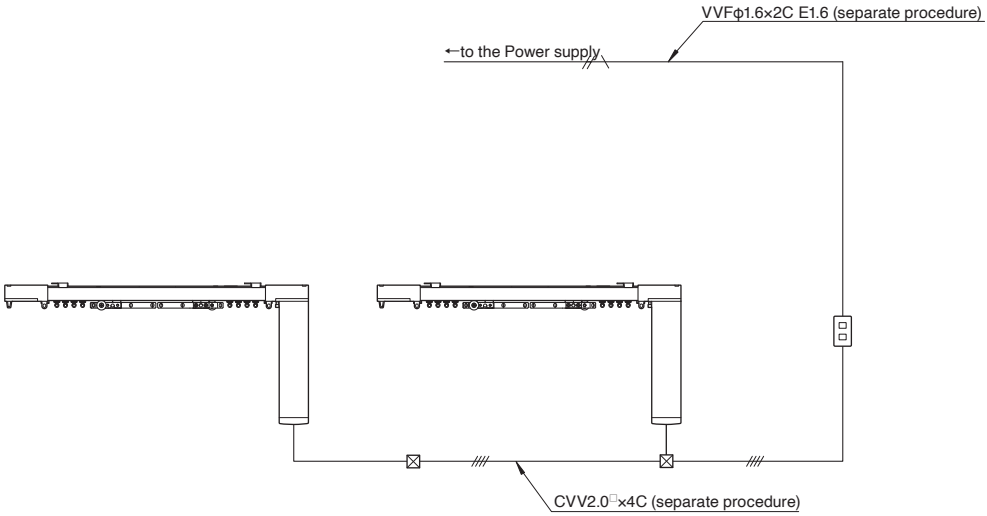
● Connection diagram



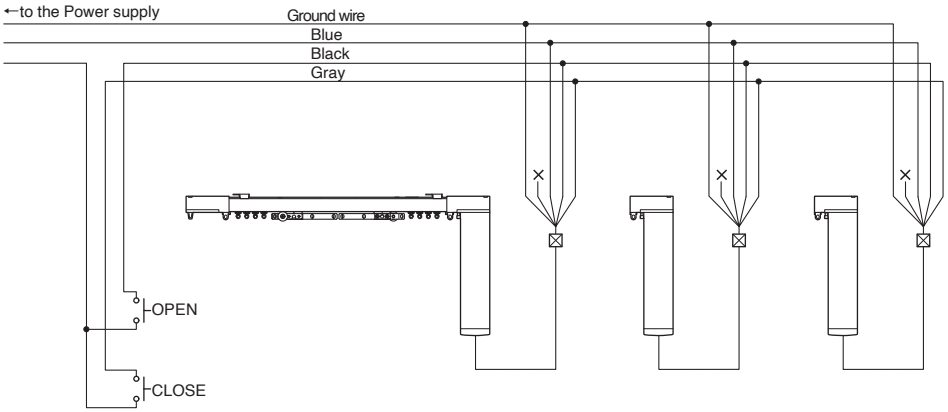
※Brown is not wired.

■ Simultaneous operation

● Wiring diagram



● Connection diagram

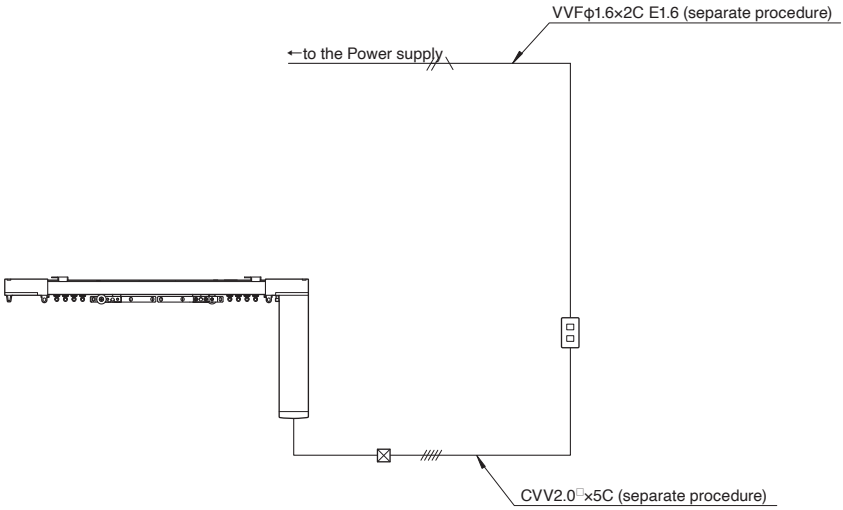


※Brown is not wired.

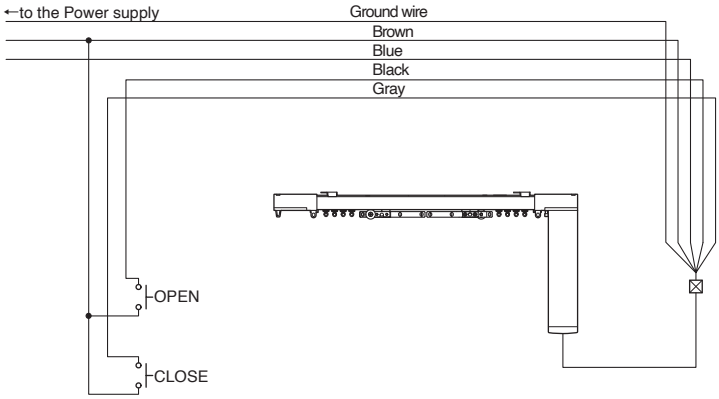
<When using a voltage switch> ※Power line 5-core type

■ Individual operation

● Wiring diagram

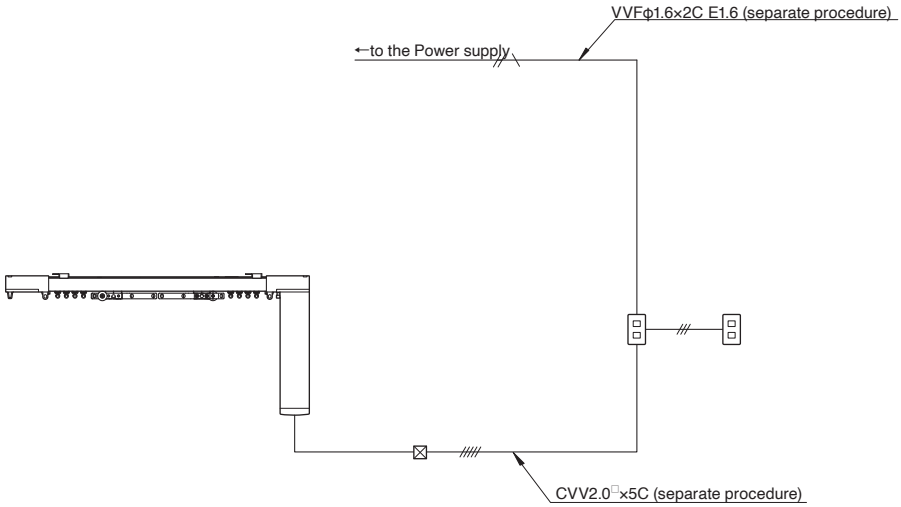


● Connection diagram

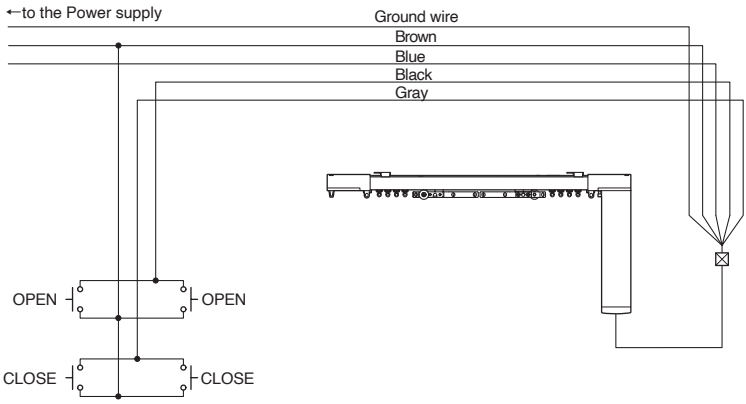


■ Two-point operation

● Wiring diagram

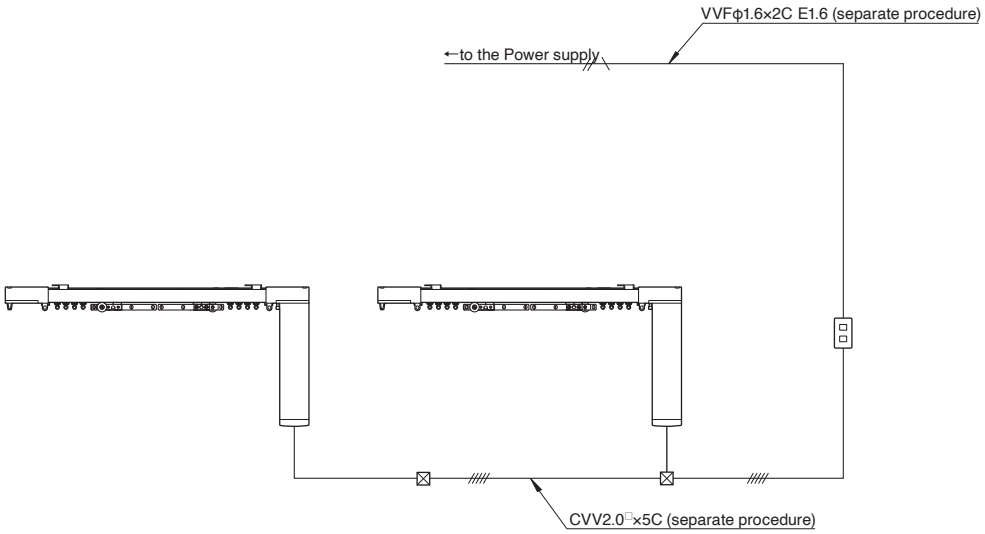


● Connection diagram

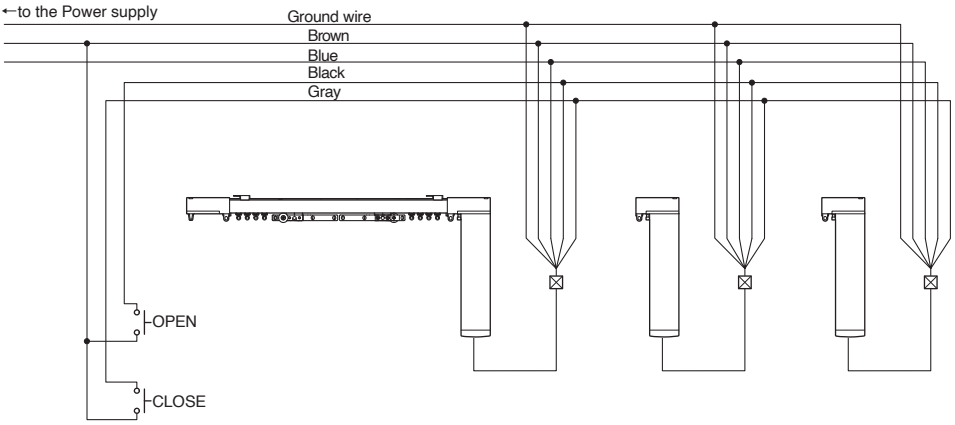


■ Simultaneous operation

● Wiring diagram

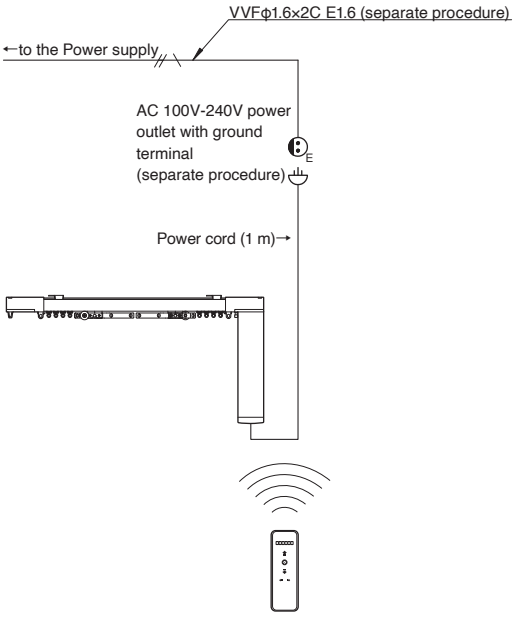


● Connection diagram



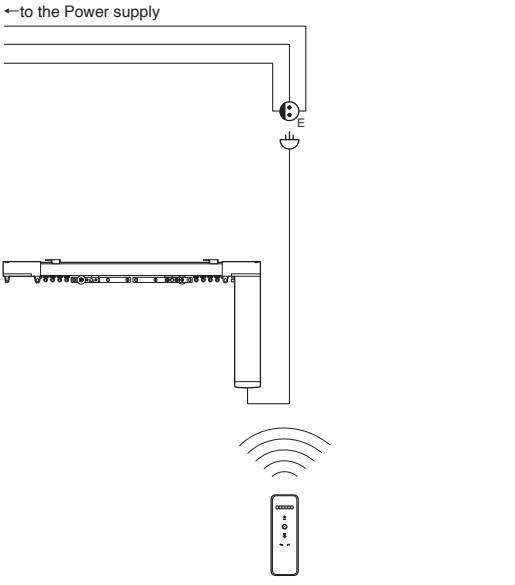
■ FM Remote Control operation

● Wiring diagram



Ti-8040 (6ch) FM Remote Control

● Connection diagram



Ti-8040 (6ch) FM Remote Control

Connection with the FM Remote-Control Transmitter

(When using the Ti-8040 (6ch) FM Remote-Control Transmitter)

Caution

- No FM Remote-Control Transmitter address number is registered before shipping. Make sure to register an address number before carrying out installation and wiring.
- Use the Ti-8040 (6ch) FM Remote-Control Transmitter (sold separately) to register address number for the Motor. (The Motor will only respond to signals sent from transmitter used for address number registration.)
- Carry out address number registration separately for each Motor.

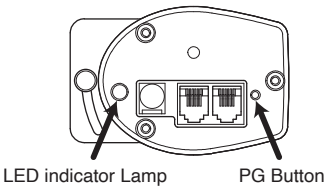
■ Registration Method of the FM Remote-Control Transmitter

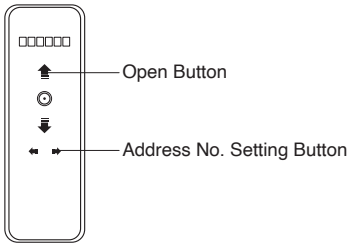
(1) Insert the power plug into an electrical outlet.

(2) Using a thin rod with a diameter of 1 mm at the tip, press the PG Button on the bottom of the Motor for approximately 1 second. The LED indicator lamp will flash red slowly to indicate it has entered registration mode.

※ The red light will continue to flash for approximately 10 seconds, after which it will turn off automatically and the device will return to normal operating mode. Complete address number registration while the LED indicator Lamp is flashing red.

(3) While the indicator lamp is flashing red, press the transmitter's Address No. Setting Button, select the address number you want to register, and press the Open Button once. When the motor receives the transmitter's signal, the LED indicator Lamp will quickly flash blue 3 times and then turn off to indicate registration is completed.





■ Deregistration Method of the FM Remote-Control Transmitter

This operation will delete all address numbers registered in the Motor.

(1) Insert the power plug into an electrical outlet.

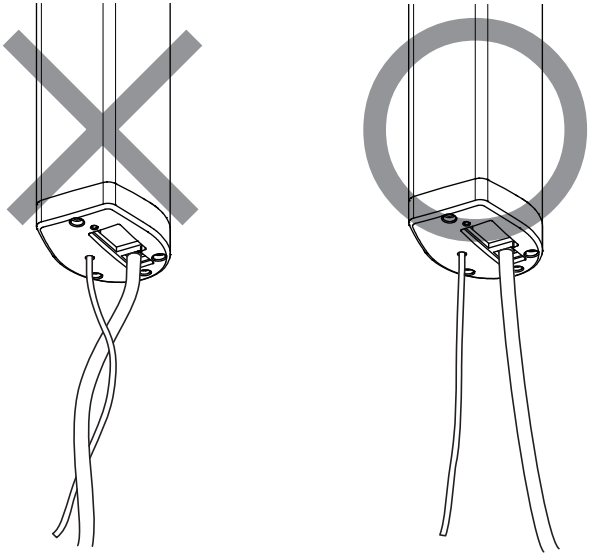
(2) Using a thin rod with a diameter of 1 mm at the tip, press the PG Button on the bottom of the Motor for approximately 3 seconds. The LED indicator Lamp will flash red quickly to indicate it has entered deletion mode

※ The red light will continue to flash for approximately 10 seconds, after which it will turn off automatically and the device will return to normal operating mode. Complete address number deregistration while the LED indicator Lamp is flashing red.

(3) While the lamp is flashing red, press the PG Button once.
The LED indicator Lamp will illuminate blue for 1 second to indicate the deregistration is completed.

Caution

The motor's signal-receiving performance will be greatly reduced if the power cord and antenna cable become entwined or entangled as shown below. Install the product with the power cord and antenna cable separated.



Check the Operation

(1) Switch the Motor Set ON.

※ When the product is powered on for the first time, it will memorize fully opened and closed position(limit) of the curtain.
If the product's power supply is cut off, limit position information will be lost and detection will be carried out again on the next power on.

(2) Test the product by operating the various switches/buttons.

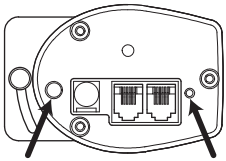
■ Disabling Method of Touch Motion Operation

The product is shipped with touch motion function “ON”.

(1) Insert the power plug into an electrical outlet.

(2) Using a thin rod with a diameter of 1 mm at the tip, press the PG Button on the bottom of the Motor for approximately 7 seconds. The LED indicator Lamp will flash red repeatedly and then flash blue 3 times before turning off to indicate the touch motion functional has been turned “OFF”.

(3) When you change a touch motion function to "OFF "→" ON", please performwork same as (1)(2) mentioned above.



After pressing the PG Button for 7 seconds,
the LED indicator Lamp will flash red slowly for 3 seconds →
Flash red quickly for 4 seconds→
Flash blue quickly 3 times before turning off

Product Specification

Source Voltage	V	AC 100 to AC 240
Power Frequency	Hz	50/60
Power Consumption	W	During stand by: 0.3 W or lower/Max. load operation: 33 W
Operation Voltage	V	DC 3.3
Operation Current	mA	0.5 mA
Rated Current	N m	0.8 N m
Time Rating	min.	5 min. (continuous operation)
Ambient Temperature	°C	0 to 50°C (non-condensing)

Cleaning

- Whenever necessary, wipe the product with dry, clean, and soft cloth.
- Refrain from directly applying water, thinner or other chemicals to the product. Those materials may cause damages, discoloring, and distortion to the product.

Troubleshooting

■ Before you decide that the trouble is a malfunction, perform the following check.

Condition	Possible Causes and Solution
Not operating	●The power cord plug of Motor Set is not connected. ⇒Switch the Motor Set to on.
	●The wire from the switch is not connected to the Motor Set. ⇒Refer to "Wiring Method" on page 6 and connect appropriately.
	●If using a FM Remote-Control Transmitter, address number registration has not yet been completed using a designated transmitter. ⇒Follow the instructions in the FM Remote-Control Transmitter Instruction Manual to register an address number information.
	●If using a FM Remote-Control Transmitter, the transmitter's batteries have worn out. ⇒Install batteries in the transmitter.
Unstable operation	●If using a FM Remote-Control Transmitter, batteries are old. ⇒Replace old batteries with new batteries.
	●There is an obstacle blocking the curtain. ⇒Remove the obstacle before the curtain in the opening/closing position.
	●Connection between the interior wiring and the switch or the modular outlet is loose. ⇒Refer to "Connection Method" on page 8 and connect appropriately.
Moves adversely and in opposite direction	●The rail is not assembled correctly. ⇒Refer to "Instruction Manual" of Rail Set and assemble appropriately.
	●The switches and interior wiring are not connected correctly. ⇒Swap the open and close cable positions.
	●The interior wiring and Modular outlet are not connected correctly. ⇒Swap the open and close cable positions.

Serial Number Display and Customer Contact Points

●We carry out the strictest quality control possible for every one of our products. However, if a malfunction or breakdown occurs, please confirm the serial number as indicated on the product label and contact the store from which you purchased the product.

