TOSO

Motorized Roller Blind

Mytec AT-K

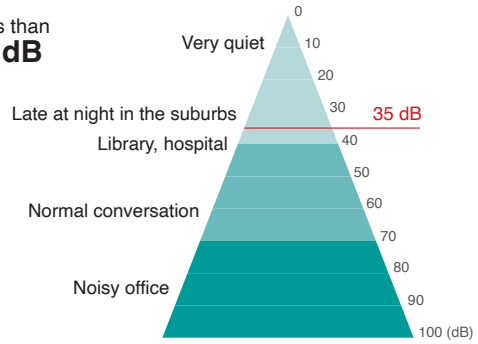
- Motorized roller blind with ultra-quiet operation.
- Synchronos operation enables perfect alignment even side by side units.
- The small gap (14 mm per side) between the screen and main body.
- The snap bracket is available for easy installation and removal.

Mytec AT-K

Mytec AT-K's Unique Features

- The motorized Roller Blind, Mytec AT-K operates noiselessly.
  (35 dB or less in a no-load state).

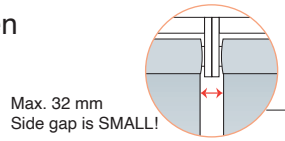
Less than
35 dB



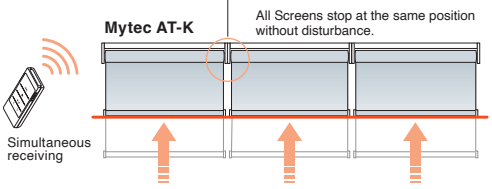
dB: A unit of loudness. To the human ear, a reduction of 10 dB is perceived as an approximately 50 percent reduction of loudness.

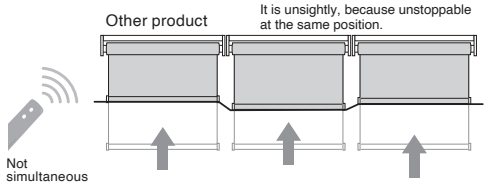
- The Controller and Infra-red Remote-control Receiver are built into the Set Bar for high visual appeal.

- The small gap (14 mm per side) between the screen and main body simplifies the design.



- Synchronized operation—When operating shades of the same height side by side, each shade synchronize in the same height and speed.

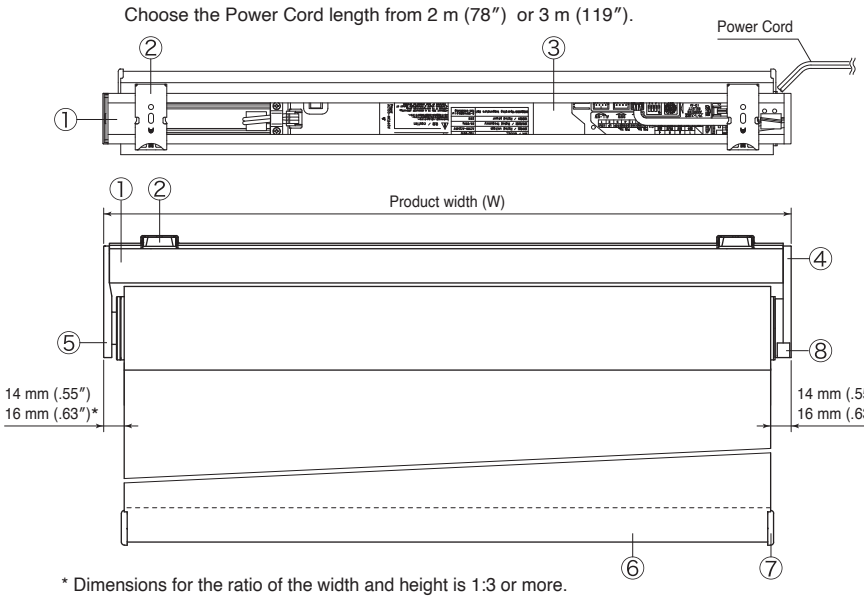


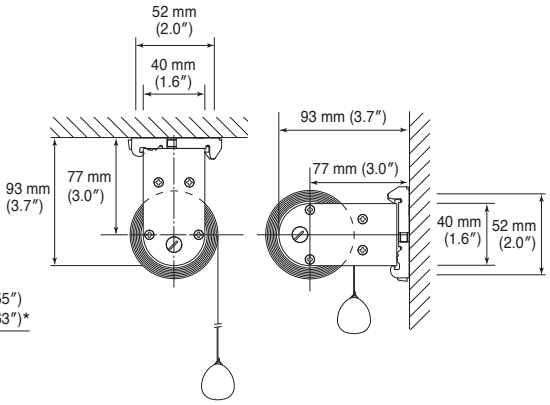


- Less than 25 W power consumption per unit.
- The main unit is easily installed with the snap bracket.

Structure Drawing

Product View





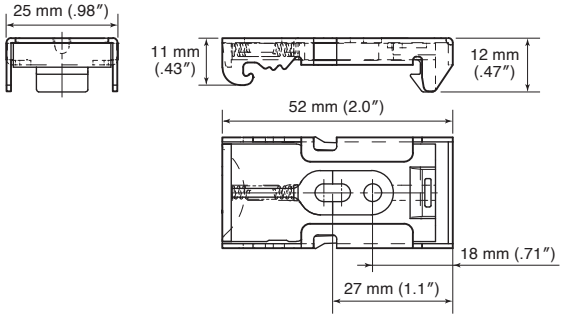
* Dimensions for the ratio of the width and height is 1:3 or more.

Components and Materials

No.	Components	Material
①	MTAT Set Bar	Aluminum
②	MT03 Bracket	Steel, Molded resin
③	MTAT Main Controller	—
④	Side Holder Receiver Side	Steel, Molded resin

No.	Components	Material
⑤	Side Holder	Steel, Molded resin
⑥	MT03 Weight Bar	Molded resin
⑦	MT03 Weight Bar Cap	Molded resin
⑧	Infra-red Remote-Control Receiver	Molded resin

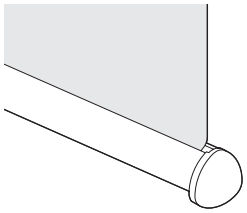
Bracket



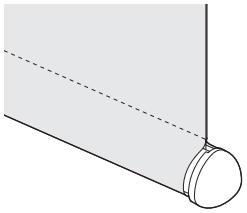
Product Width	Number of Bracket
1400 mm (55″) or less	2
1405 mm (55″) –2000 mm (79″)	3
2005 mm (79″) or more	4

Weight Bar

Non wrapping type



Wrapping type



Motor Specifications

Rated voltage	AC100–240V
Rated frequency	50/60Hz
Power consumption	During standby 0.5W During operation 25W
Operating voltage	DC12V

Operating current	1mA
Rated frequency	28.0rpm
Working temperature range	0–50°C (No condensation)
Rated time	Continuous operation 2 minutes

Allowable Size

Width	500–2500 mm (20–99″)
Height	500–4500 mm (20–178″)
Ratio (W:H)	1:8 (limit)

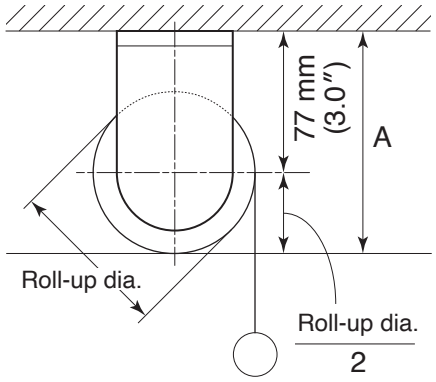
*Depending on the screen weight and material.

Product Weight

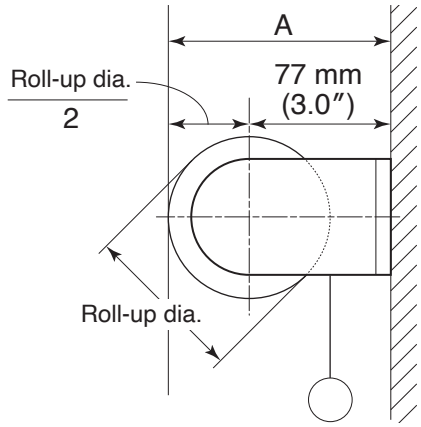
$\{(1.05 \times \text{Product width (mm)}) / 1000\} + 0.8$ (kg)

Typical Roll-up Diameter

Ceiling attachment



Wall attachment

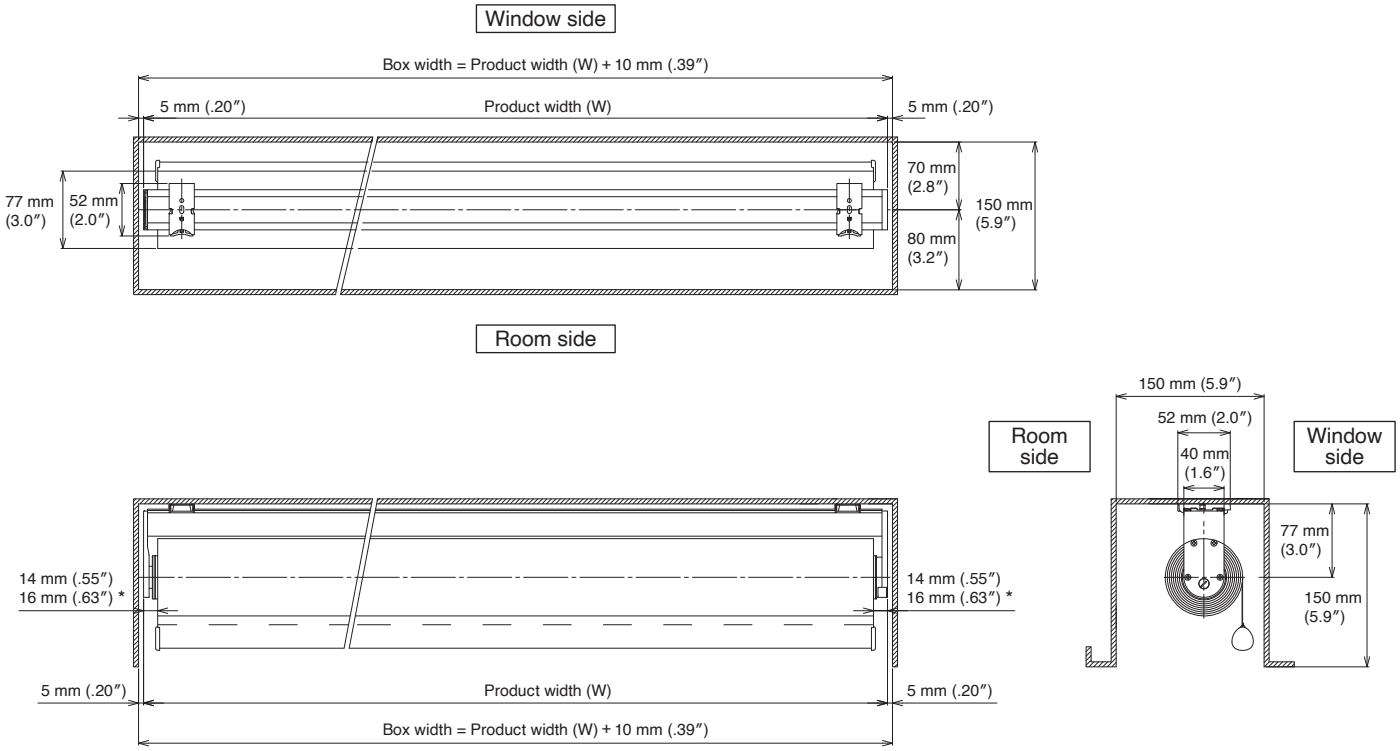


$$A = 77 + \frac{\text{Roll-up dia.}}{2}$$

Class (Thickness) \ Height		400 mm (16″)	800 mm (32″)	1200 mm (47″)	1600 mm (63″)	2000 mm (79″)	2400 mm (94″)	2800 mm (110″)	3000 mm (118″)
A	–0.20 mm (–.008″)	46 mm (1.8″)	47 mm (1.9″)	48 mm (1.9″)	50 mm (2.0″)	51 mm (2.0″)	52 mm (2.0″)	53 mm (2.1″)	53 mm (2.1″)
B	0.21–0.30 mm (.008–.012″)	47 mm (1.9″)	49 mm (1.9″)	50 mm (2.0″)	52 mm (2.0″)	53 mm (2.1″)	55 mm (2.2″)	56 mm (2.2″)	57 mm (2.2″)
C	0.31–0.40 mm (.012–.016″)	48 mm (1.9″)	50 mm (2.0″)	52 mm (2.0″)	54 mm (2.1″)	56 mm (2.2″)	58 mm (2.3″)	60 mm (2.4″)	60 mm (2.4″)
D	0.41–0.50 mm (.016–.020″)	49 mm (1.9″)	51 mm (2.0″)	54 mm (2.1″)	56 mm (2.2″)	59 mm (2.3″)	61 mm (2.4″)	63 mm (2.4″)	64 mm (2.5″)
E	0.51–0.60 mm (.020–.024″)	50 mm (2.0″)	53 mm (2.1″)	56 mm (2.2″)	58 mm (2.3″)	61 mm (2.4″)	63 mm (2.4″)	66 mm (2.6″)	67 mm (2.6″)
F	0.61–0.70 mm (.024–.028″)	50 mm (2.0″)	54 mm (2.1″)	57 mm (2.2″)	60 mm (2.4″)	63 mm (2.4″)	66 mm (2.6″)	69 mm (2.7″)	70 mm (2.8″)
G	0.71–0.80 mm (.028–.032″)	51 mm (2.0″)	55 mm (2.2″)	59 mm (2.3″)	62 mm (2.4″)	65 mm (2.6″)	69 mm (2.7″)	72 mm (2.8″)	73 mm (2.9″)
H	0.81–0.90 mm (.032–.035″)	52 mm (2.0″)	56 mm (2.2″)	60 mm (2.4″)	64 mm (2.5″)	68 mm (2.7″)	71 mm (2.8″)	74 mm (2.9″)	—
I	0.91–1.00 mm (.036–.039″)	53 mm (2.1″)	57 mm (2.2″)	62 mm (2.4″)	66 mm (2.6″)	70 mm (2.8″)	73 mm (2.9″)	—	—

*The roll-up diameter might be actually different.
*Please contact our local agent for another size.

Overall Structure Drawing

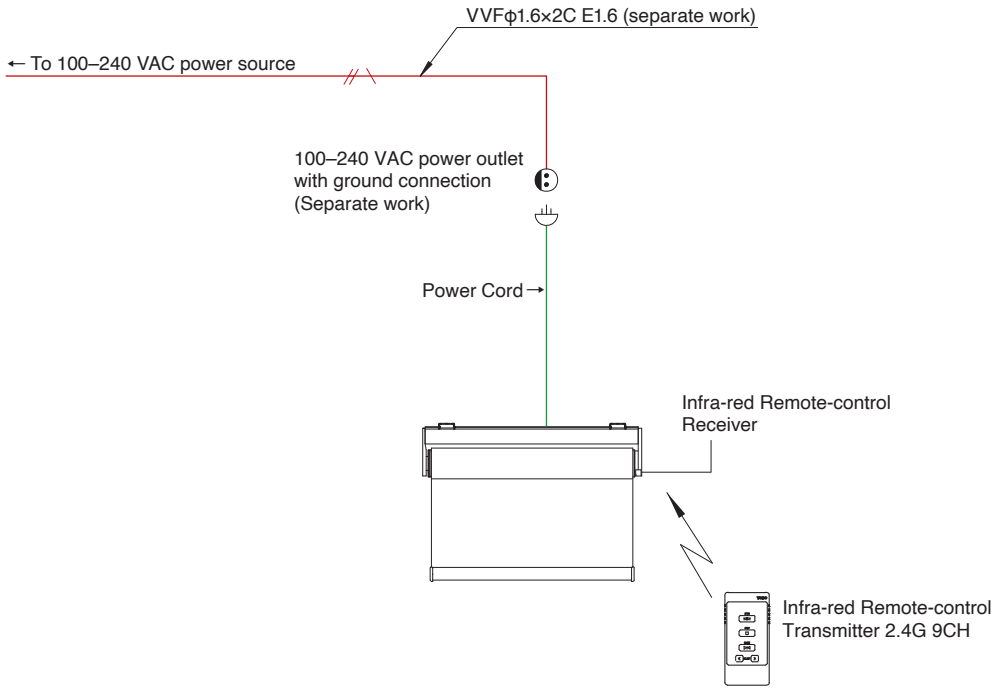


* Dimensions for the ratio of the width and height is 1:3 or more.

Basic Wiring and Connecting Diagram

Infra-red Remote-control Operation

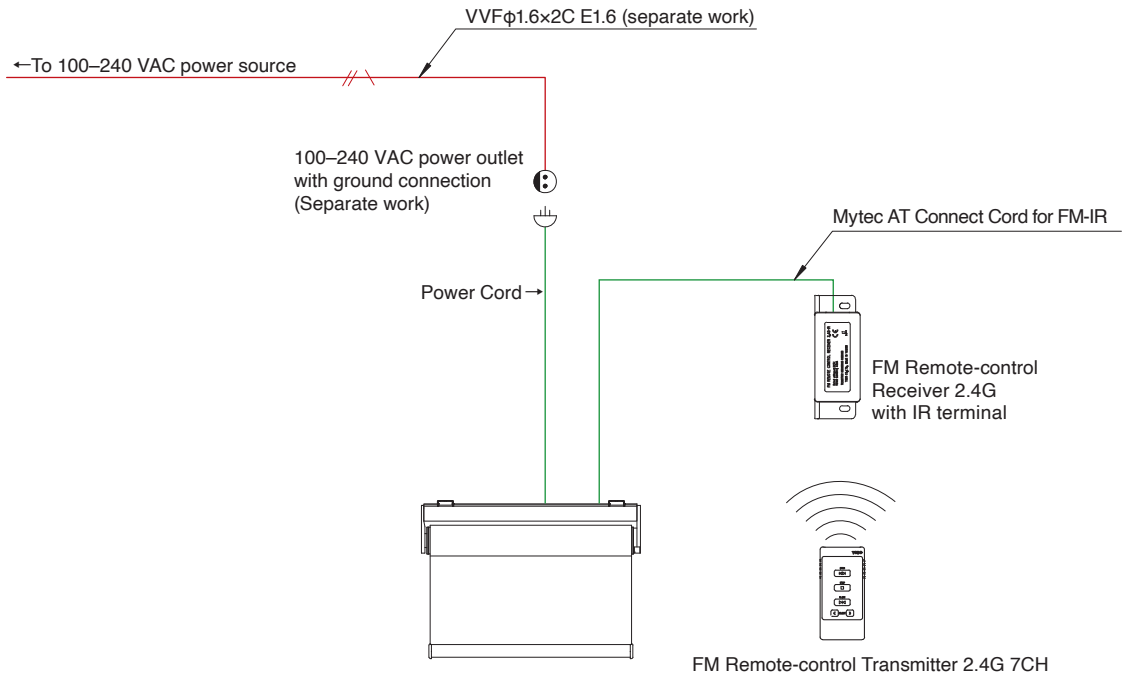
Basic Wiring Diagram



FM Remote-control Operation

*When using FM Remote-control Receiver 2.4G-IR

Basic Wiring Diagram

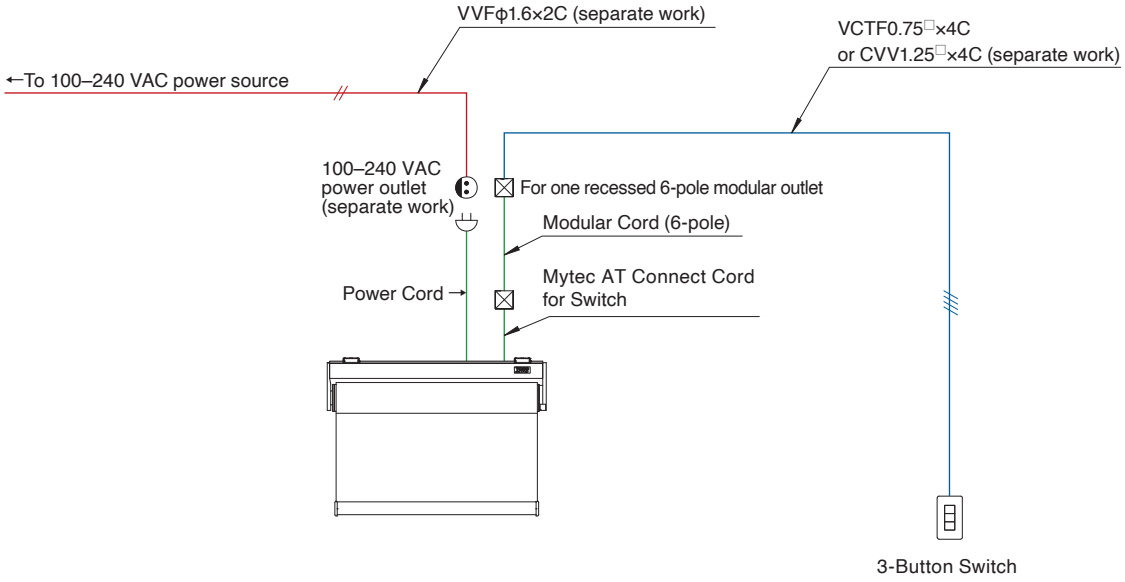


Explanatory notes: —— Power supply, —— Low voltage control line, ——Main body attachment or TOSO standard

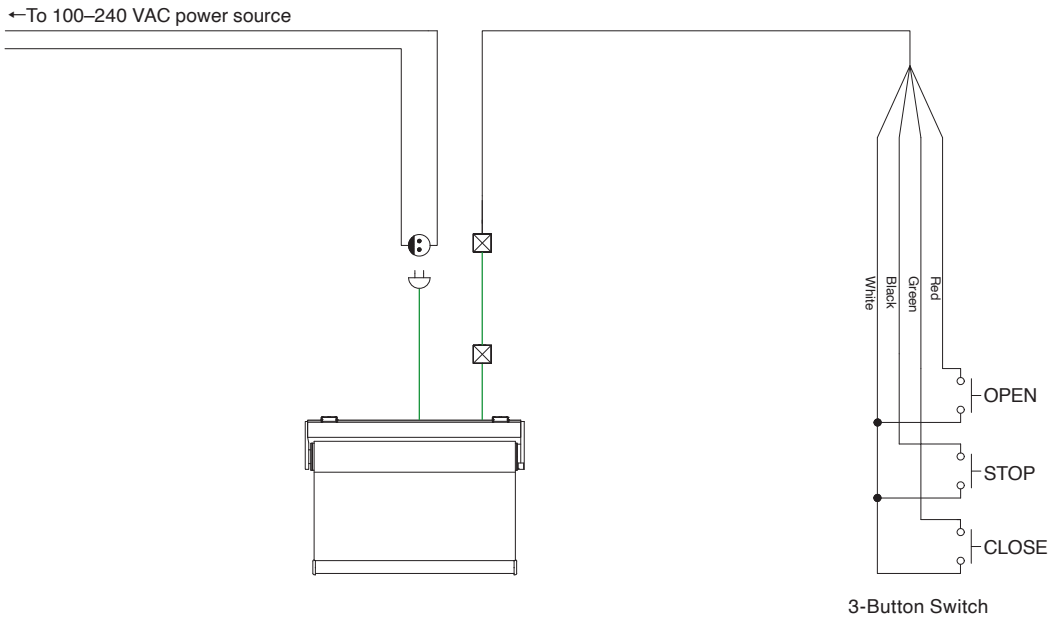
3-Button Switch Operation

Single Operation

Basic Wiring Diagram

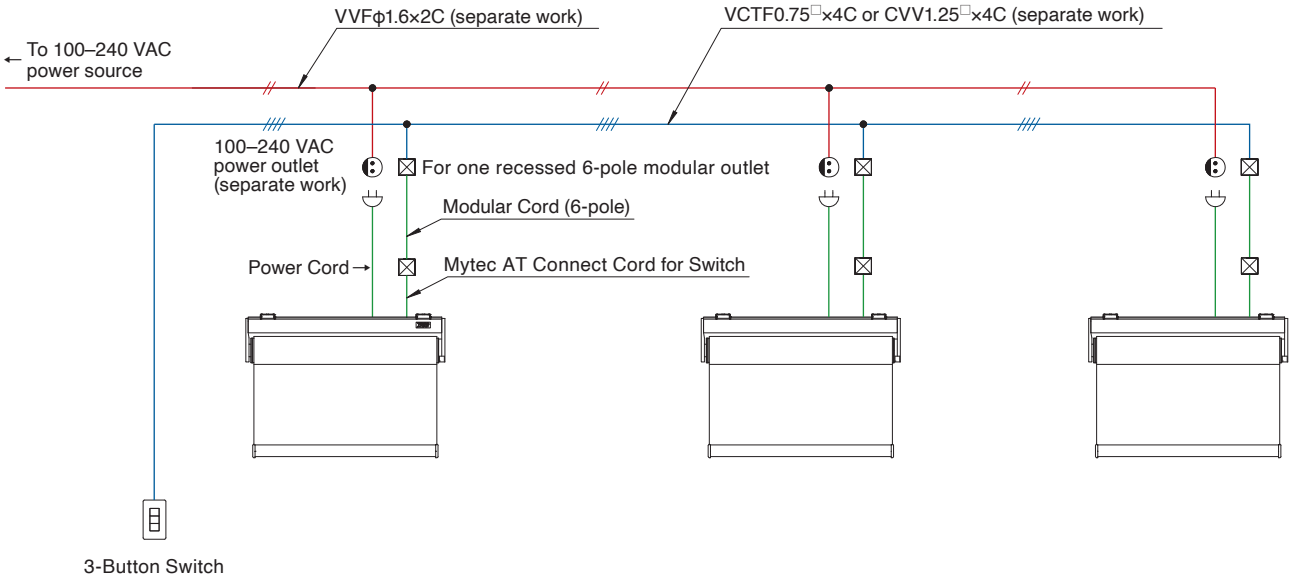


Basic Connecting Diagram

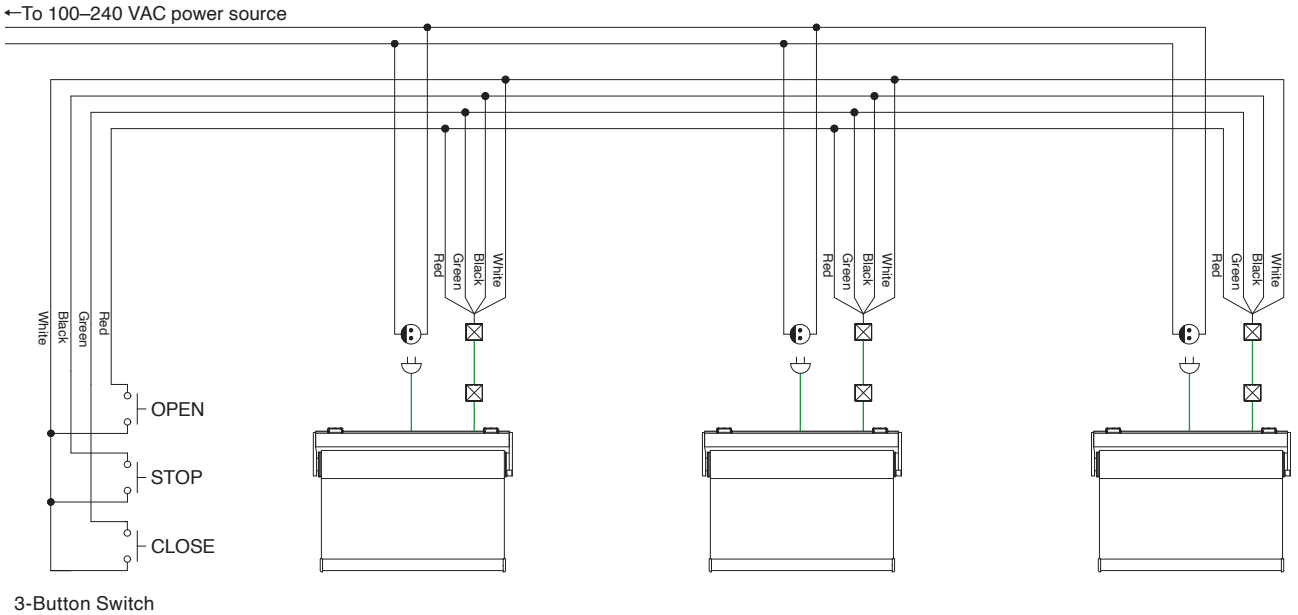


Simultaneous Operation

Basic Wiring Diagram



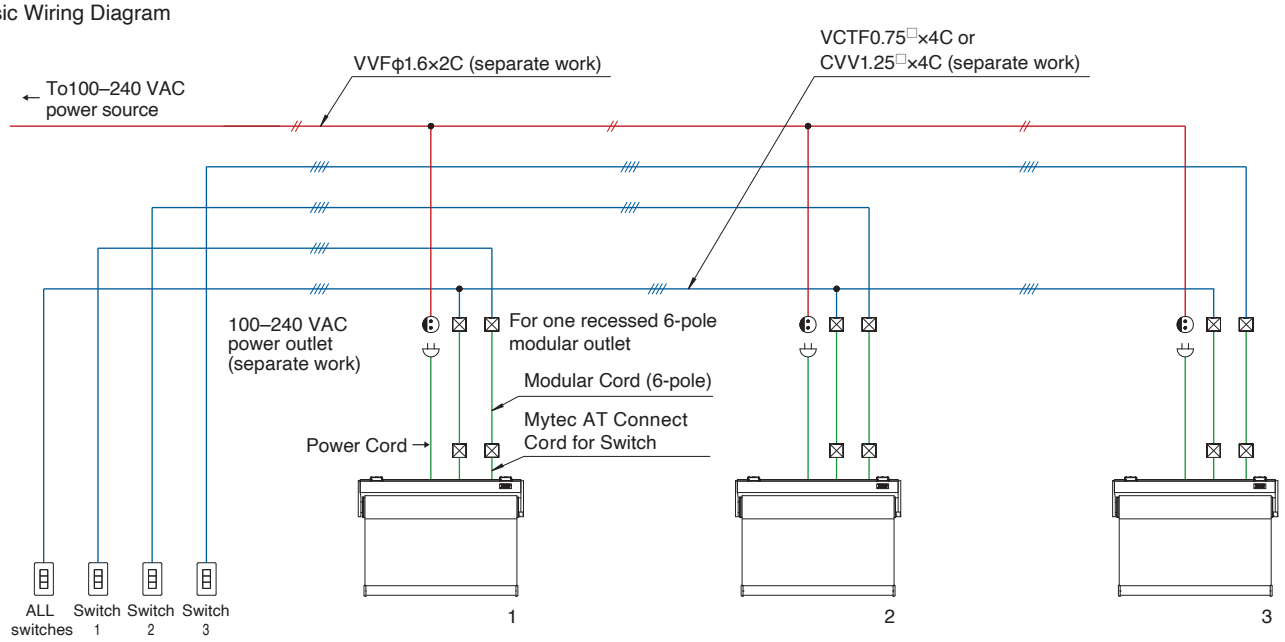
Basic Connecting Diagram



Explanatory notes: —— Power supply, —— Low voltage control line, ——Main body attachment or TOSO standard

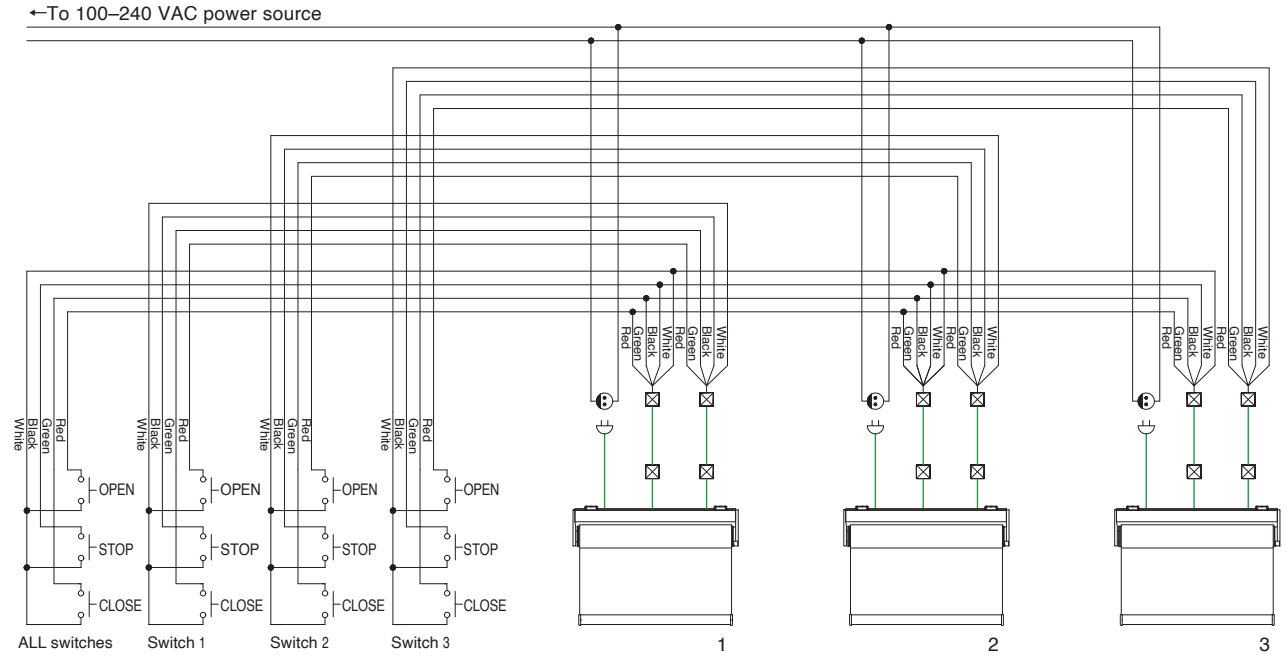
Simultaneous Selection Operation

Basic Wiring Diagram



3-Button Switch

Basic Connecting Diagram

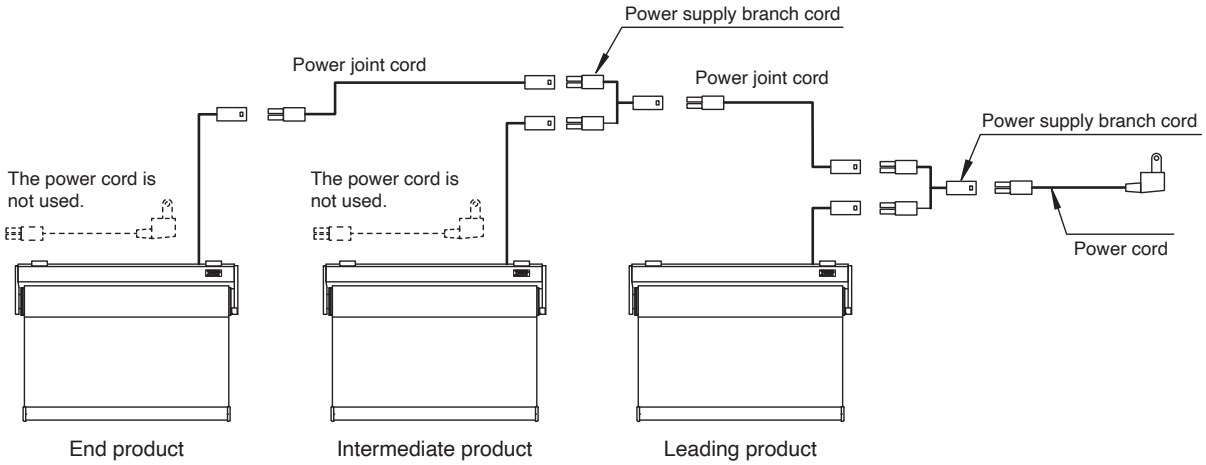


3-Button Switch

Power Supply Branch Cords and Power Joint Cords

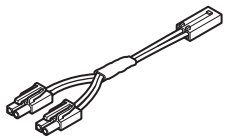
Power can be supplied to multiple products by joining the power supply from one power supply (outlet) at the time of a continuous window.
There is no need to prepare multiple outlets, so they can be easily installed.
Up to 10 units can be connected, and the distance between products can be up to 3,000 mm.

Installation Diagram (For two units, the end product and the leading product will be used.)



Mytec AT Power Supply Branch Cord

(Used when supplying multiple power supplies from one outlet)

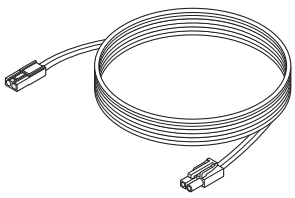


Product Name	Neccessary Number
Mytec AT Power Supply Branch Cord	Number of consolidating products – 1 unit

*Please order with the product itself.
*Separately, order the power joint cord according to the required length.

Mytec AT Power Joint Cord

(Used as a crossover wiring between the main unit, when using the power supply branch cord is used)



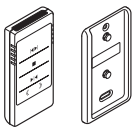
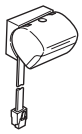
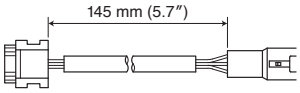
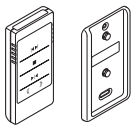
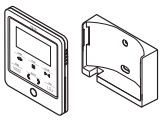
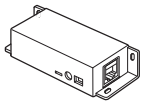
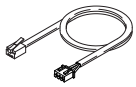
Product Name	Item Code	Neccessary Number
Mytec AT Power Joint Cord 1300	30017586	Number of consolidating products – 1 unit
Mytec AT Power Joint Cord 2300	30017587	
Mytec AT Power Joint Cord 3300	30017588	

*Select the required cord length depending on the product width.

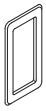
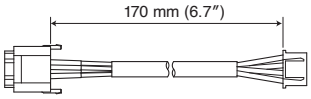
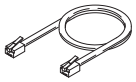
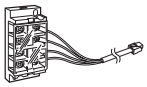
Guide to the length of the Power Joint Cord

Distance between Products	Power Joint Cord
1,000 mm (39″) or less	Mytec AT Power Joint Cord 1300
2,000 mm (79″) or less	Mytec AT Power Joint Cord 2300
3,000 mm (118″) or less	Mytec AT Power Joint Cord 3300

Mytec AT-K Parts

Product Name	Operation			Product Code
	Infra-red Remote-Control Receiver	FM Remote-Control Receiver 2.4G with IR	3-Button Switch	
Infra-red Remote-Control Transmitter 2.4G 9CH 	○	—	—	30011924
Infra-red Remote-Control Receiver 01  *Use if the receiver part is not exposed. *Cord length: 0.7 m (28″) *Available changing angle approx. 60°.	○ (*1)	—	—	00510184
Infra-red Receiver 01 Connect Cord  *Use if the receiver part is not exposed.	○ (*1)	—	—	04800002
FM Remote-Control Transmitter 2.4G 7CH 	—	○ (*2)	—	30011923
FM Multi Remote-Control Transmitter 2.4G 	—		—	30006411
FM Remote-Control Receiver 2.4G with IR Terminal 	—	○	—	02390042
Mytec AT Connect Cord for FM-IR  *Cord length: 0.7 m (28″)	—	○	—	30005768

*1 Use if necessary.
*2 Use one of the transmitters.

Product Name	Operation			Product Code
	Infra-red Remote-Control Receiver	FM Remote-Control Receiver 2.4G with IR	3-Button Switch	
MO Inlay Switch Wide 3 Buttons A	—	—	◯	00510307
MO Wide Switch Wide Plate 1 Row 	—	—	◯	00510309
Mytec AT Connect Cord for Switch 	—	—	◯	30006833
Modular Cord 1 m (6-pole, 4-core) 	—	—	◯	02380002
Modular Cord (6-pole, 4-core) with Terminal 	—	—	◯ (*1)	00510229
Inlay Modular Connector (6-pole) Body 1 Jack	—	—	◯	00510269
MO Switch Plate 1 Button 1 Row	—	—	◯	00510259

*1 Use if necessary.