

Motorized Roman Shade

Super Liberta 2



Super Liberta 2

Super Liberta 2's Unique Features

Maximum Product Width: Up to 8 m

The joint configuration enables the production of a single unit with a width of up to 8 m.

Maximum Fabric Weight: Up to 12 kg

Equipped with a high-torque motor to support a maximum fabric weight of up to 12 kg.

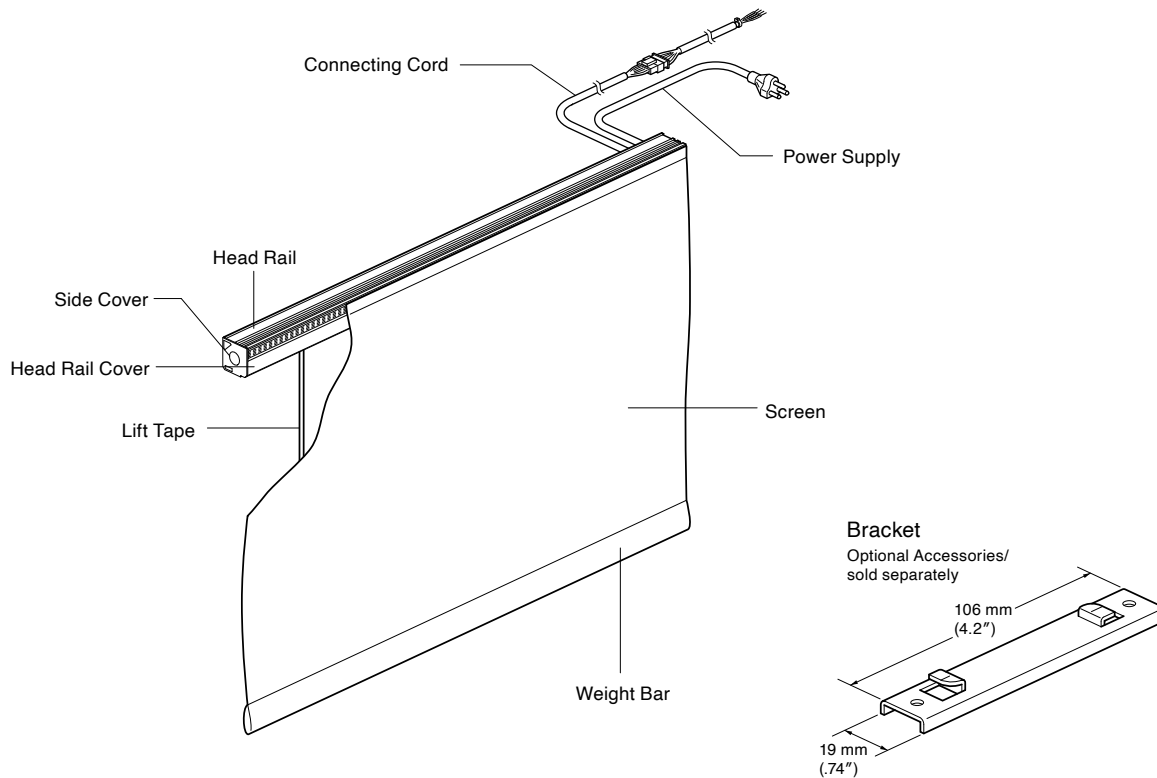
(*Including the weight of sewing components/materials)

Neat Appearance

A motor, a controller and other parts do not come into view because all of them are put inside the head rail.



Overall View and Part Names



Motor Specifications

Rated Voltage		AC100–220V
Rated Frequency		50/60Hz
Input Current	Operation	0.66A
	Standby	0.05A
Power Consumption	Operation	65W
	Standby	1W
Control Voltage		DC12V
Control Current		6mA
Ambient Temperature		0–50°C (without condensation)
Rotation Speed		30 r.p.m
Raising/Lowering Time		17-22 seconds/meter
Continuous Operating Time		200 seconds

Available Dimensions

Style	Product Width	Product Height
Plain	1,000–4,000 mm (39–157")	1,000–8,000 mm (39–314")
Sharp	1,000–4,000 mm (39–157")	1,000–6,000 mm (39–236")
Balloon	1,000–4,000 mm (39–157")	1,000–6,000 mm (39–236")
Austrian	1,000–4,000 mm (39–157")	1,000–5,000 mm (39–196")

In Case of Joint Specifications

Style	Product Width	Product Height
Plain	1,910–8,000 mm (75–314")	1,000–8,000 mm (39–314")
Sharp	1,910–8,000 mm (75–314")	1,000–6,000 mm (39–236")
Balloon	1,910–4,000 mm (75–157")	1,000–6,000 mm (39–236")
Austrian	1,910–4,000 mm (75–157")	1,000–5,000 mm (39–196")

*Production may not be possible depending on the combination of width and height.

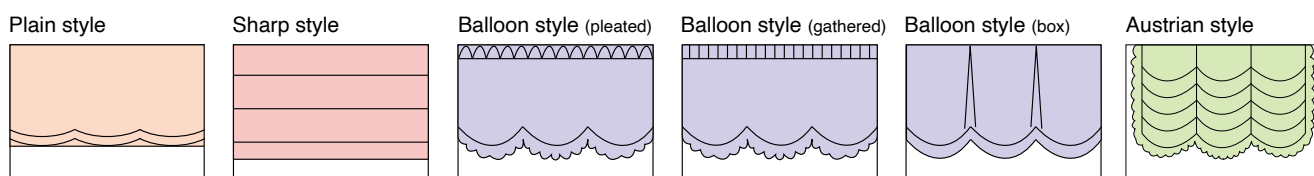
*Maximum area: 40 m²

Maximum Fabric Weight

12 kg (26.5 lb)

*Even if the dimensions are within the manufacturable range, products exceeding the maximum fabric weight cannot be manufactured.

Style Lineup



*Plain, Sharp, and Balloon styles become flat when lowered.

Calculation Formula for Weight

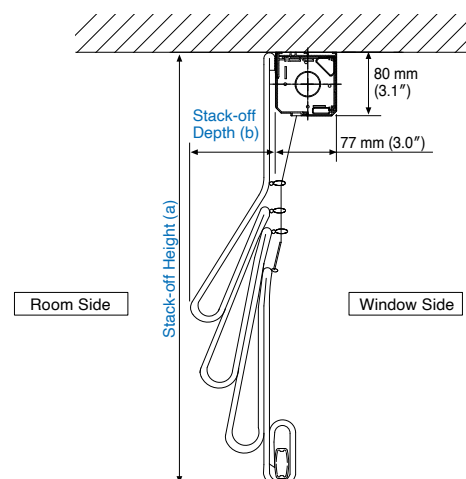
Product Weight = 1) Unit Weight + 2) Fabric Weight					
1) Unit Weight		$1.12 + 0.99 \times W/1,000 \text{ mm} + (N \times 0.02)$			$1.12 + 0.99 \times W/39" + (N \times 0.02)$
2) Fabric Weight	Plain	a. Fabric weight	Fabric weight (kg/m²) × W/1,000 mm × H/1,000 mm	Fabric weight (kg/1,550 sq") × W/39" × H/39"	
		b. Parts weight	$(0.28 \times W/1,000 \text{ mm}) + (0.04 \times W/1,000 \text{ mm} \times H/1,000 \text{ mm})$	$(0.28 \times W/39") + (0.04 \times W/39" \times H/39")$	
	Sharp (with Rods)	a. Fabric weight	Fabric weight (kg/m²) × W/1,000 mm × H/1,000 mm	Fabric weight (kg/1,550 sq") × W/39" × H/39"	
		b. Parts weight	$(0.28 \times W/1,000 \text{ mm}) + (0.23 \times W/1,000 \text{ mm} \times H/1,000 \text{ mm})$	$(0.28 \times W/39") + (0.23 \times W/39" \times H/39")$	
	Balloon	a. Fabric weight	Fabric weight (kg/m²) × (W/1,000 mm × H/1,000 mm) × 2	Fabric weight (kg/1,550 sq") × (W/39" × H/39") × 2	
		b. Parts weight	$(0.09 \times W/1,000 \text{ mm}) + (0.04 \times W/1,000 \text{ mm} \times H/1,000 \text{ mm}) + 0.16$	$(0.09 \times W/39") + (0.04 \times W/39" \times H/39") + 0.16$	
	Austrian	a. Fabric weight	Fabric weight (kg/m²) × (W/1,000 mm × H/1,000 mm) × 3.75	Fabric weight (kg/1,550 sq") × (W/39" × H/39") × 3.75	
		b. Parts weight	$(0.12 \times W/1,000 \text{ mm}) + (0.04 \times W/1,000 \text{ mm} \times H/1,000 \text{ mm}) + 0.16$	$(0.12 \times W/39") + (0.04 \times W/39" \times H/39") + 0.16$	

*W: Product width, H: Product height, N: Number of Lift Tape

Calculation Formula for Stack-up

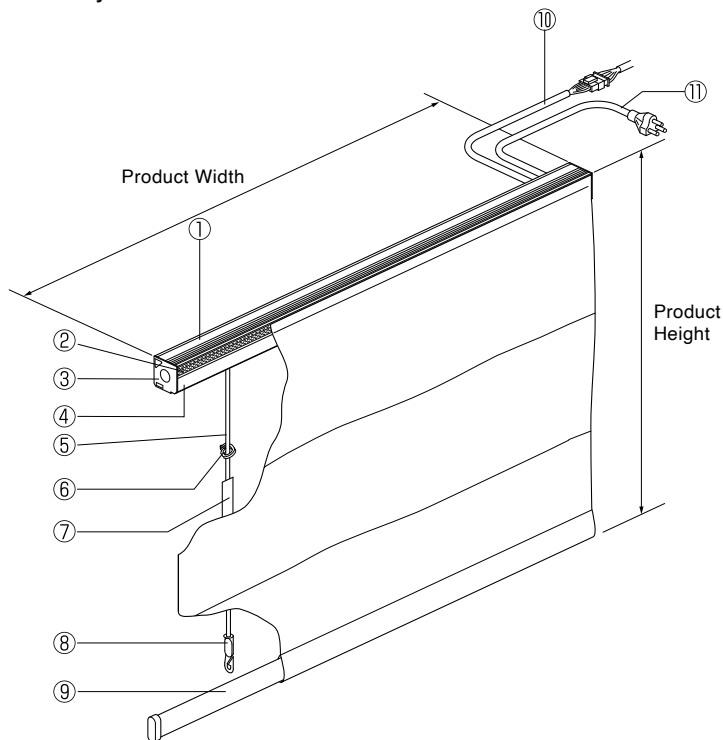
	Product Height	Ring Pitch	Stack-off Height (a)	Stack-off Depth (b)
Plain	1,000–4,000 mm (39–157")	200 mm (7.9")	220+H/80 mm (8.7+H/3.1")	80 mm (3.1")
	4,010–8,000 mm (158–315")	300 mm (12")	270+H/120 mm (11+H/4.7")	
Sharp	1,000–3,000 mm (39–118")	150 mm (5.9")	270+H/30 mm (11+H/1.2")	100 mm (3.9")
	3,010–6,000 mm (118–236")	300 mm (12")	420+H/60 mm (17+H/2.4")	
Balloon	—	—	590+H/60 mm (23+H/2.4")	200 mm (7.9")
Austrian	—	—	390+H/60 mm (15+H/2.4")	250 mm (9.8")

*H = Product height (mm) *Folding allowance may vary slightly depending on the fabric.



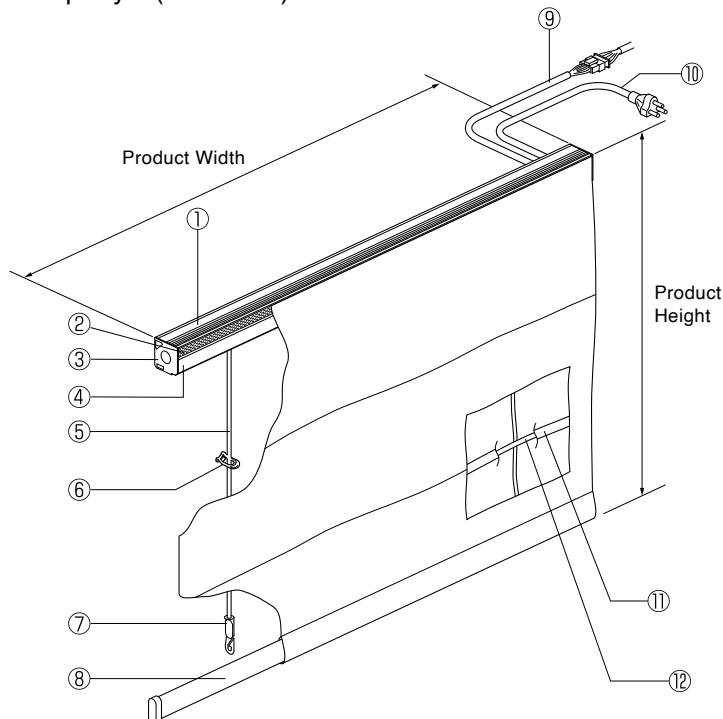
Structure Drawing

Plain Style



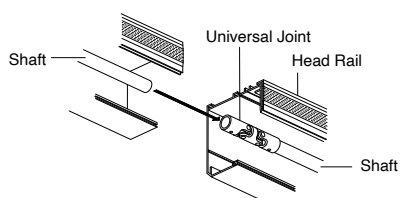
No.	Product Name	Materials / Specifications	Color
①	Head Rail	Aluminum	White
②	Slide-in Velcro	Chemical fiber	White
③	Side Cover	Molded resin	White
④	Head Rail Cover	Molded resin	White
⑤	Lift Tape	Chemical fiber	White
⑥	RS Tape Ring N	Molded resin	Clear
⑦	Loop Tape	Chemical fiber	Clear
⑧	Tape Adjuster	Molded resin	Clear
⑨	Weight Bar	Steel (4,000 mm/158" or less)	White
	Weight Pole	Aluminum (4,010 mm/158" or more)	Silver
⑩	Connecting Cord	AWG 24 × 6C (0.3 m/12") with connector	White
⑪	Power Supply	VCTF 0.75 [□] × 3C (1 m/39")	White

Sharp Style (with Rods)

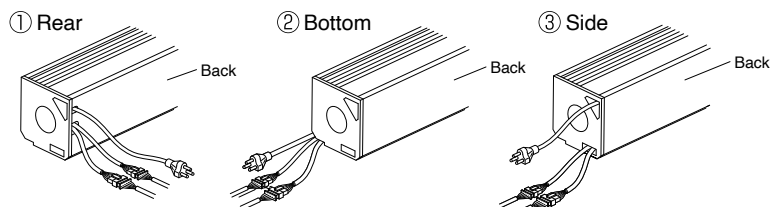


No.	Product Name	Materials / Specifications	Color
①	Head Rail	Aluminum	White
②	Slide-in Velcro	Chemical fiber	White
③	Side Cover	Molded resin	White
④	Head Rail Cover	Molded resin	White
⑤	Lift Tape	Chemical fiber	White
⑥	Peacock Ring	Molded resin	Clear
⑦	Tape Adjuster	Molded resin	Clear
⑧	Weight Bar	Steel (4,000 mm/158" or less)	White
	Weight Pole	Aluminum (4,010 mm/158" or more)	Silver
⑨	Connecting Cord	AWG 24 × 6C (0.3 m/12") with connector	White
⑩	Power Supply	VCTF 0.75 [□] × 3C (1 m/39")	White
⑪	Shaper Tape	Chemical fiber	White, Beige, Gray, Brown
⑫	Shaper 10	Molded resin	White

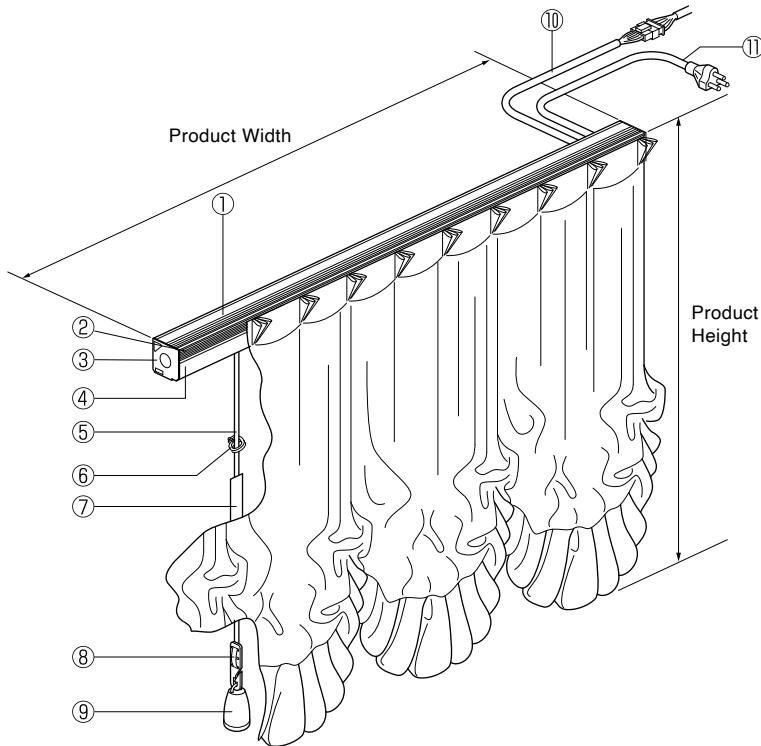
Universal Joint (for a large window)



Position for the Switch Connection Cord (three types are available)



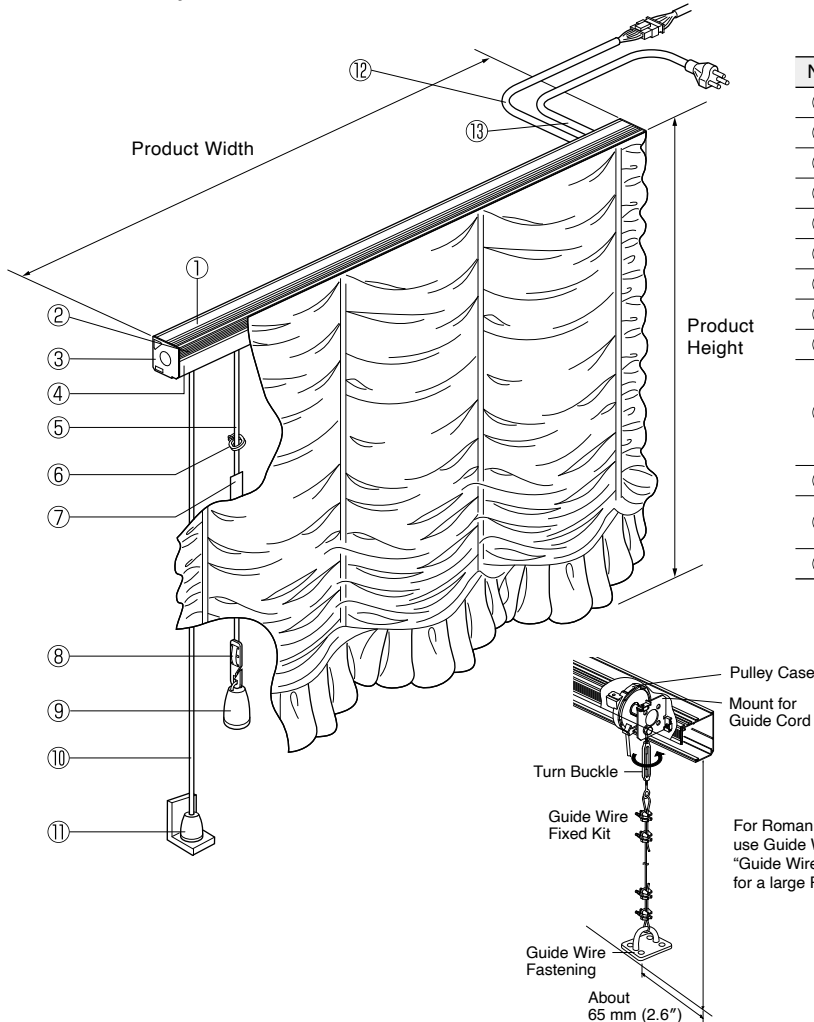
Balloon Style



No.	Product Name	Materials / Specifications	Color
①	Head Rail	Aluminum	White
②	Slide-in Velcro	Chemical fiber	White
③	Side Cover	Molded resin	White
④	Head Rail Cover	Molded resin	White
⑤	Lift Tape	Chemical fiber	White
⑥	RS Tape Ring N	Molded resin	Clear
⑦	Loop Tape	Chemical fiber	Clear
⑧	Tape Adjuster	Molded resin	Clear
⑨	Weight	Lead	White
⑩	Connecting Cord	AWG 24 × 6C (0.3 m/12") with connector	White
⑪	Power Supply	VCTF 0.75" × 3C (1 m/39")	White

Product Length	Frill Length
1,000–2,200 mm (39–87")	120 mm (4.7")
2,210–3,000 mm (87–118")	160 mm (6.3")
3,010–6,000 mm (119–236")	200 mm (7.9")

Austrian Style



No.	Product Name	Materials / Specifications	Color
①	Head Rail	Aluminum	White
②	Slide-in Velcro	Chemical fiber	White
③	Side Cover	Molded resin	White
④	Head Rail Cover	Molded resin	White
⑤	Lift Tape	Chemical fiber	White
⑥	RS Tape Ring N	Molded resin	Clear
⑦	Loop Tape	Chemical fiber	Clear
⑧	Tape Adjuster	Molded resin	Clear
⑨	Weight	Lead	White
⑩	Guide Cord	Chemical fiber (W: 4,000 mm/158" or less)	White
	Guide Wire	Stainless (W: 4,010 mm/158" or more)	Silver
⑪	Install Kit	Stainless	Silver
⑫	Connecting Cord	AWG 24 × 6C (0.3 m/12") with connector	White
⑬	Power Supply	VCTF 0.75" × 3C (1 m/39")	White

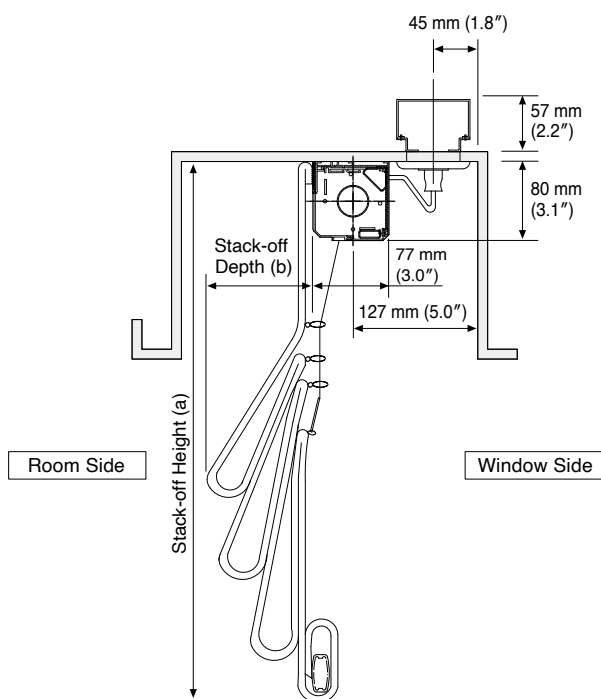
Product Length	Frill Length
1,000–2,200 mm (39–87")	120 mm (4.7")
2,210–3,000 mm (87–118")	160 mm (6.3")
3,010–5,000 mm (119–197")	200 mm (7.9")

For Roman Shade System wider than 4,010 mm (158"), use Guide Wires instead of Guide Cords.
"Guide Wire Fastenings" shall be purchased separately for a large Roman Shade System.

Super Liberta 2

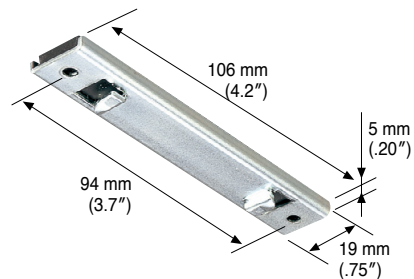
Part Dimension Drawings

Side View



Bracket

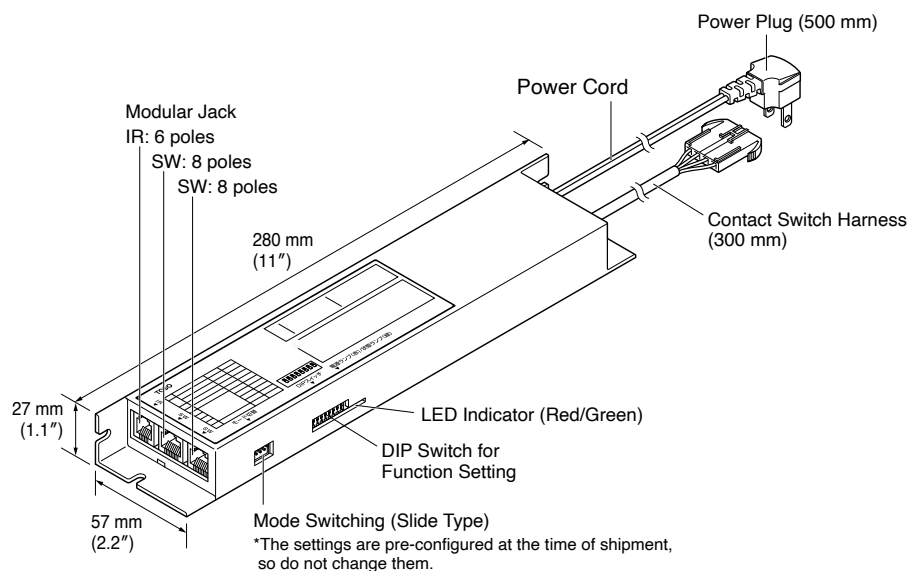
Ceiling Bracket (Option)



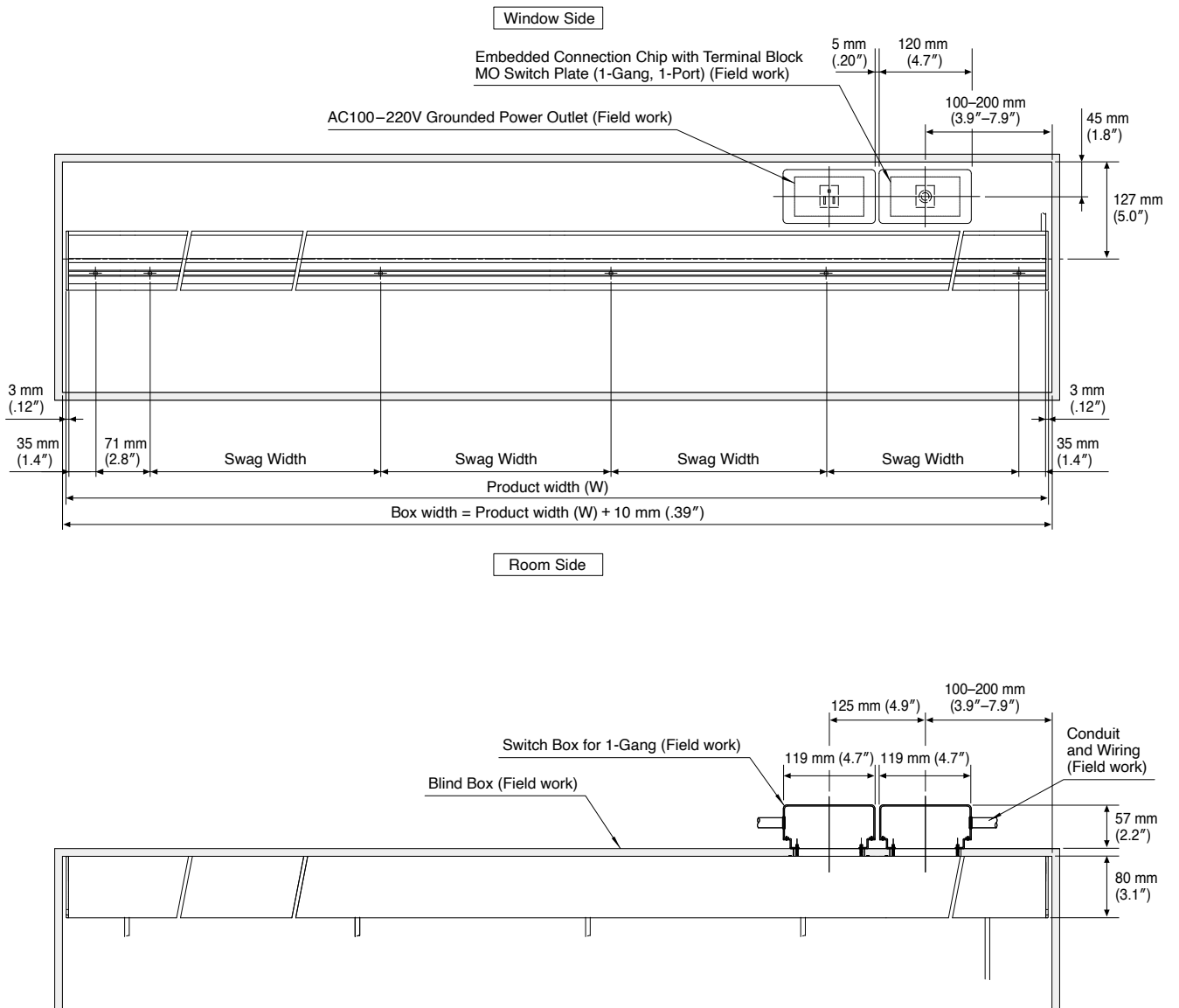
*Super Liberta 2 can be directly mounted to the ceiling.
Please use brackets as necessary.
*Mounting screws are not included.

Unit

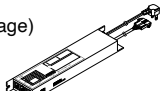
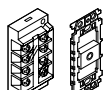
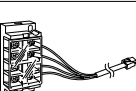
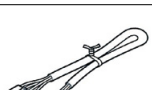
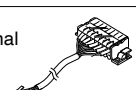
N Control Unit (voltage-free contact type)



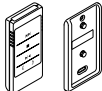
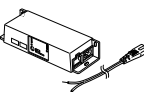
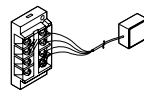
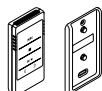
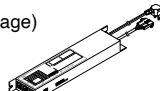
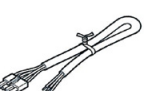
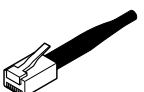
Basic Installation Diagram



Super Liberta 2 Parts

Product Name		Product Code	Contact Switch + Remote Control Operation						Communication Switch		
			Individual	Simultaneous	FM Remote	IR Remote	FM Remote + 3-Button	IR Remote + 3-Button	Individual	Simultaneous	Simultaneous Selection
Super Liberta 2 (Main Unit)		—	1	N	1 (N)	1 (N)	1 (N)	1 (N)	1	N	N
Switches	MO Inlay Switch Wide 3 Buttons A 	00510307	1	1			1 (N)	1 (N)			
	MO Inlay Switch Wide 2 Buttons 	00510308	1	1			1 (N)	1 (N)			
	MO Wide Switch Plate 1 Row 	00510309	1	1			1 (N)	1 (N)			
Communication Switches	Single Switch for RB 	30007082							*	*	
	MO Wide Switch Plate 1 Row 	00510309							1	1	1
	TCU-TN (Non-voltage) 	30019790							1	N	N
Connectors	Inlay Junction Box 	00510266	1	N		1 (N)	1 (N)	2 (N×2)	△	△	△
	MO Switch Plate 1 Button 1 Row 	00510259					1 (N)	1 (N)	1	N	N
	Modular Cord (6-pole, 4-core) with Terminal 	00510229	△	△			△	△			
	Inlay Modular Connector (6 poles) Body 1 Jack 	00510269	△	△			△	△			
	Inlay Modular Connector (8 poles) Body 	00510267	1	N			1 (N)	1 (N)	1	N	N
	Connect Cord 01 	00510177				1 (N)		1 (N)	1	N	N
	LAN Cord (1 m) 	30005261	1	N			1 (N)	1 (N)	1	N	N
	LAN Cord with Terminal 	30005260	△	△			△	△	△	△	△

N: Required per blind △: Purchase as needed *: Select one unit according to application

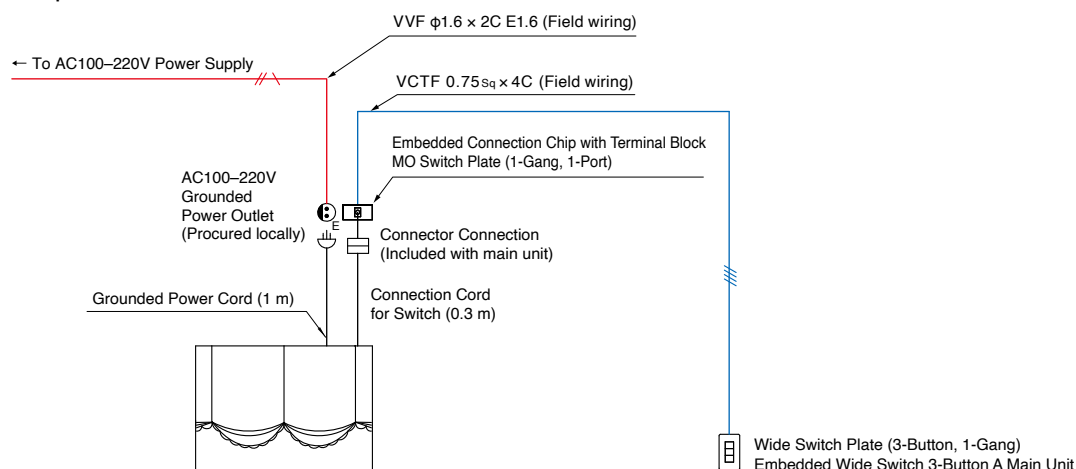
Product Name		Product Code	Contact Switch + Remote Control Operation						Communication Switch		
			Individual	Simultaneous	FM Remote	IR Remote	FM Remote + 3-Button	IR Remote + 3-Button	Individual	Simultaneous	Simultaneous Selection
FM Remote Controls	FM Remote Transmitter 2.4G (7ch) 	30018419			* 1		* 1				
	FM Multi Control Transmitter 2.4G 	30006411			* 1		* 1				
	FM Remote Control Receiver 2.4G 	02390043			1 (N)		1 (N)				
	FM Remote Control Connector (Non-voltage) 	02390036			1 (N)		1 (N)				
	FM Remote Control Relay Unit 2.4G 	30006412			△		△				
Infrared Remote Controls	Infra-red Transmitter (9ch) 	30011924				1		1			
	Infra-red Receiver 01 	00510184				1 (N)		1 (N)			
	TCU-TN (Non-voltage) 	30019790				1 (N)		1 (N)			
	Connect Cord 01 	00510177				1 (N)		1 (N)	1	N	
Other	Modular Plug with Terminal Resistor 	30003956								△	△

N: Required per blind △: Purchase as needed *: Select one unit according to application

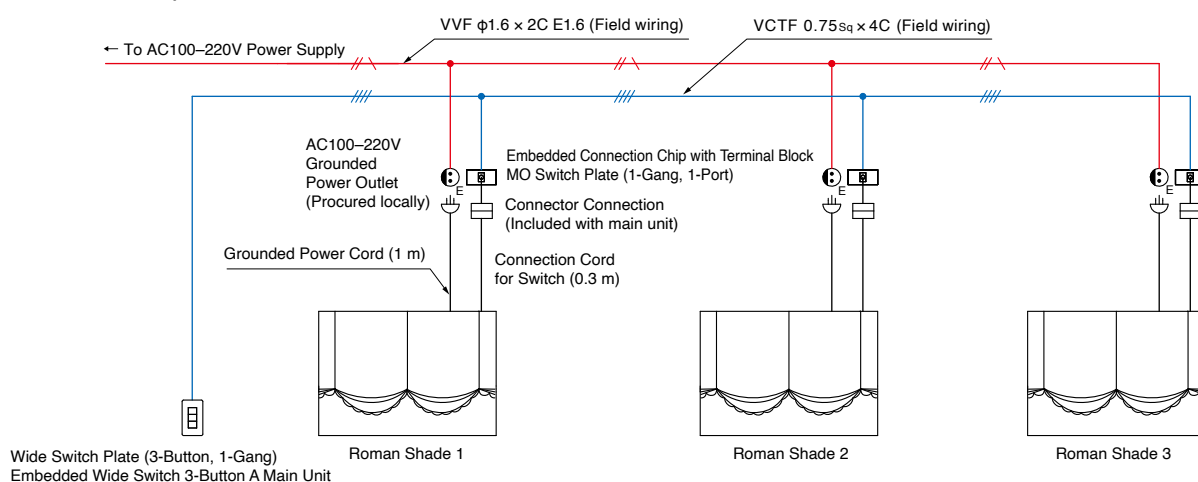
Basic Wiring Diagram

3-button Switch (Contact Switch)

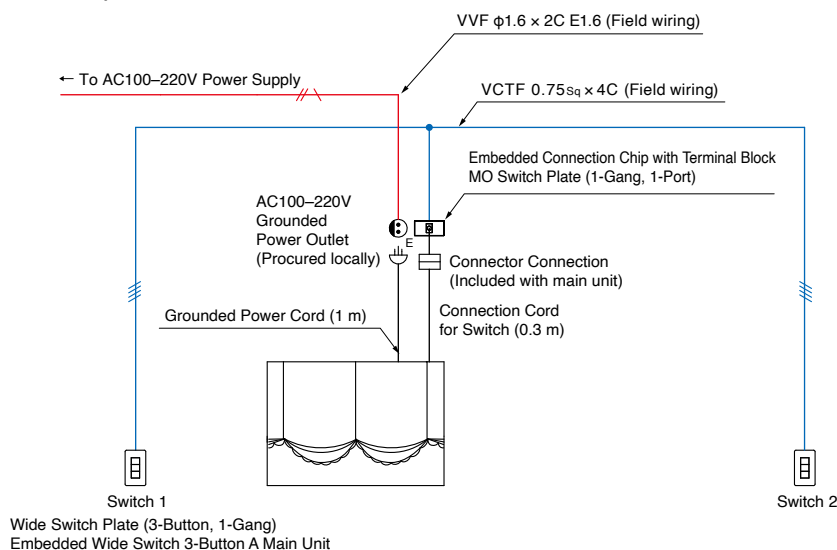
Individual Operation



Simultaneous Operation

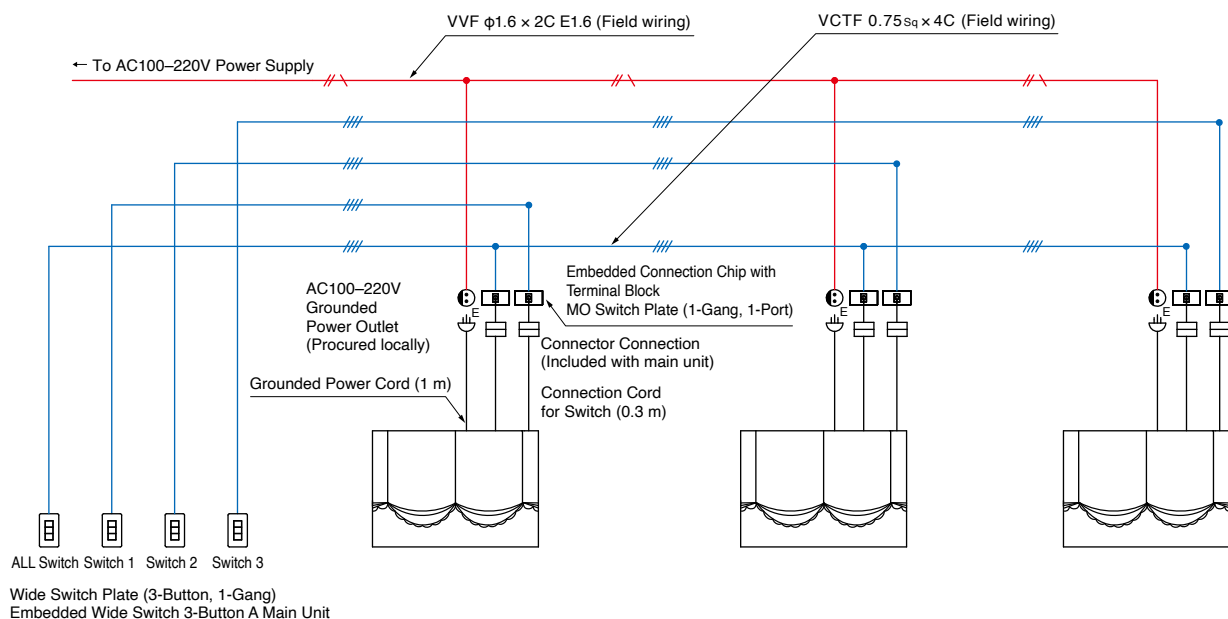


Two-location Operation

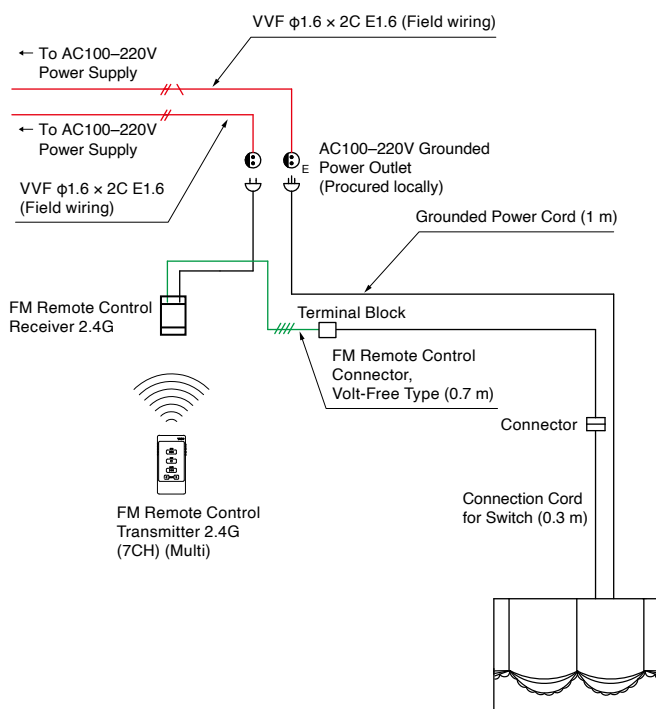


Explanatory notes: — Power line, — Low voltage control line, — TOSO standard (order separately), — Cord supplied with unit

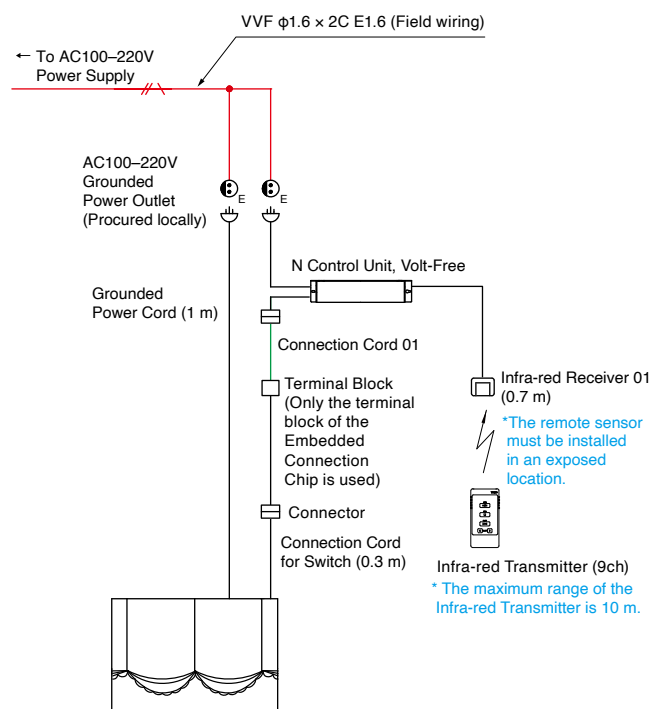
Simultaneous/Selective Operation



FM Remote Control Operation



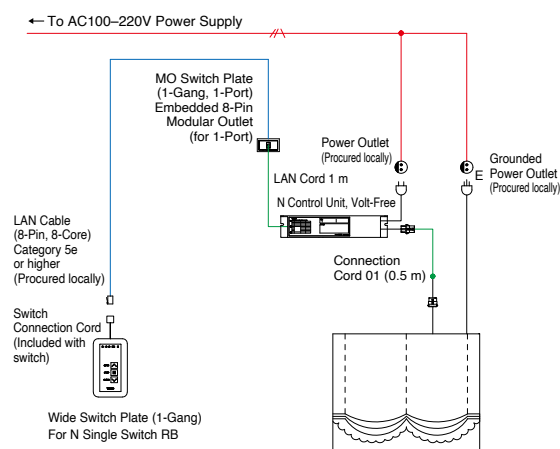
Infra-red Remote Control Operation



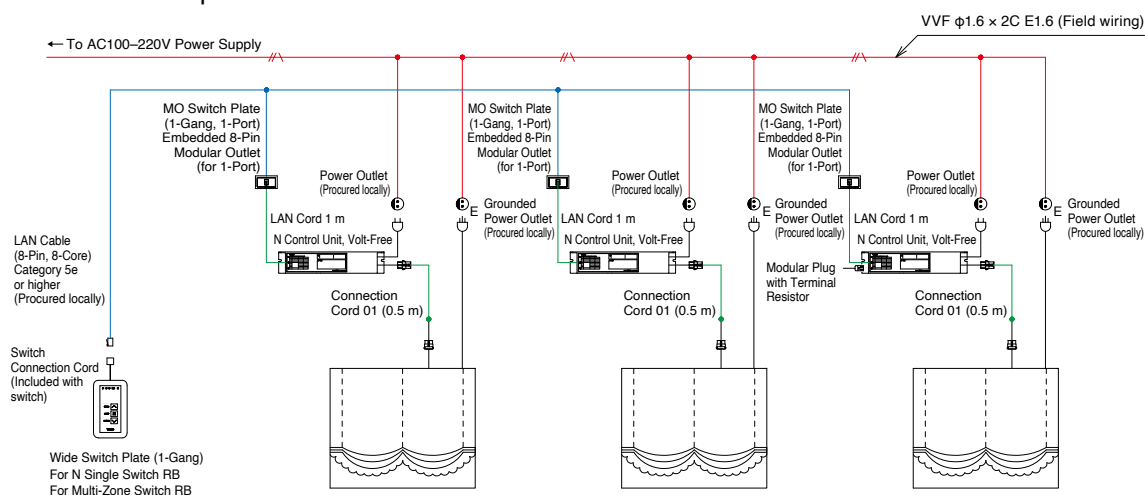
Explanatory notes: — Power line, — Low voltage control line, — TOSO standard (order separately), — Cord supplied with unit

For N Single Switch, Zone Switch, Multi-Zone Switch RB (Communication Switch)

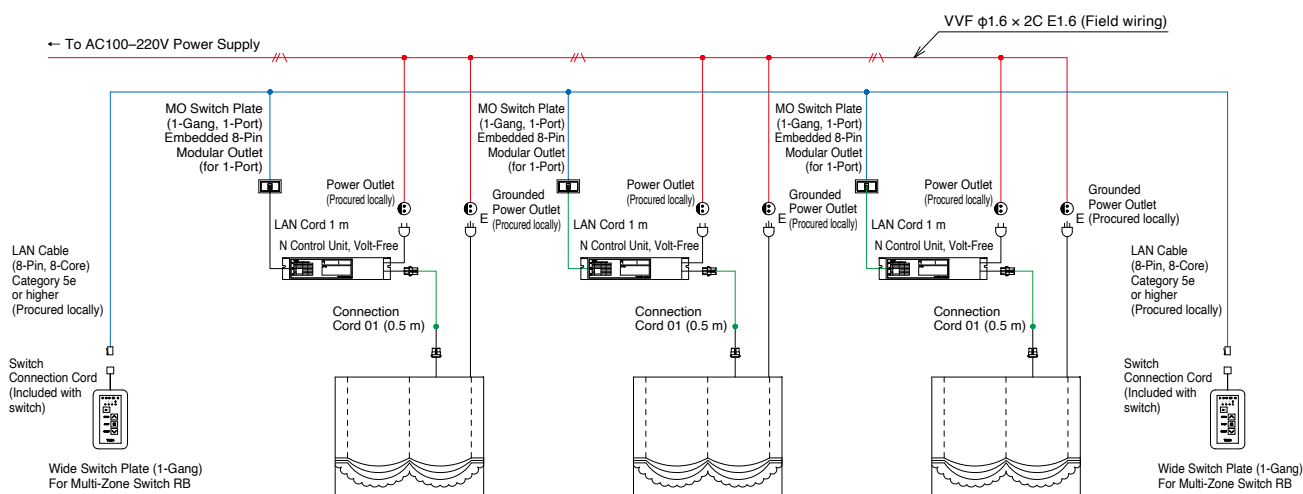
Individual Operation



Simultaneous Operation



Two-location Simultaneous Selective Operation

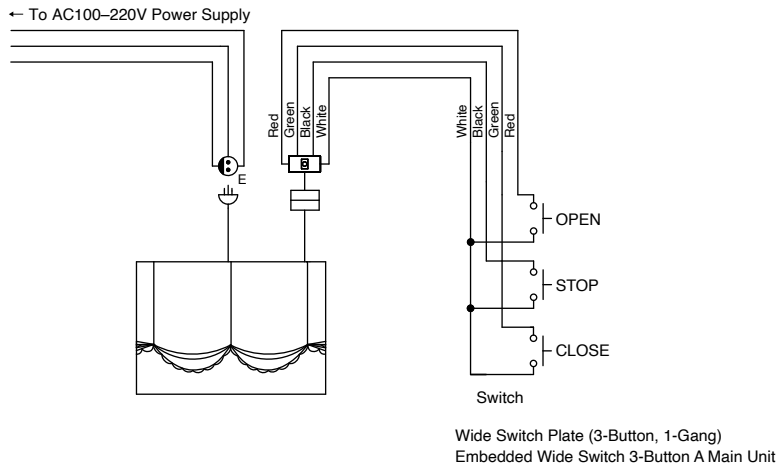


Explanatory notes: — Power line, — Low voltage control line, — TOSO standard (order separately), — Cord supplied with unit

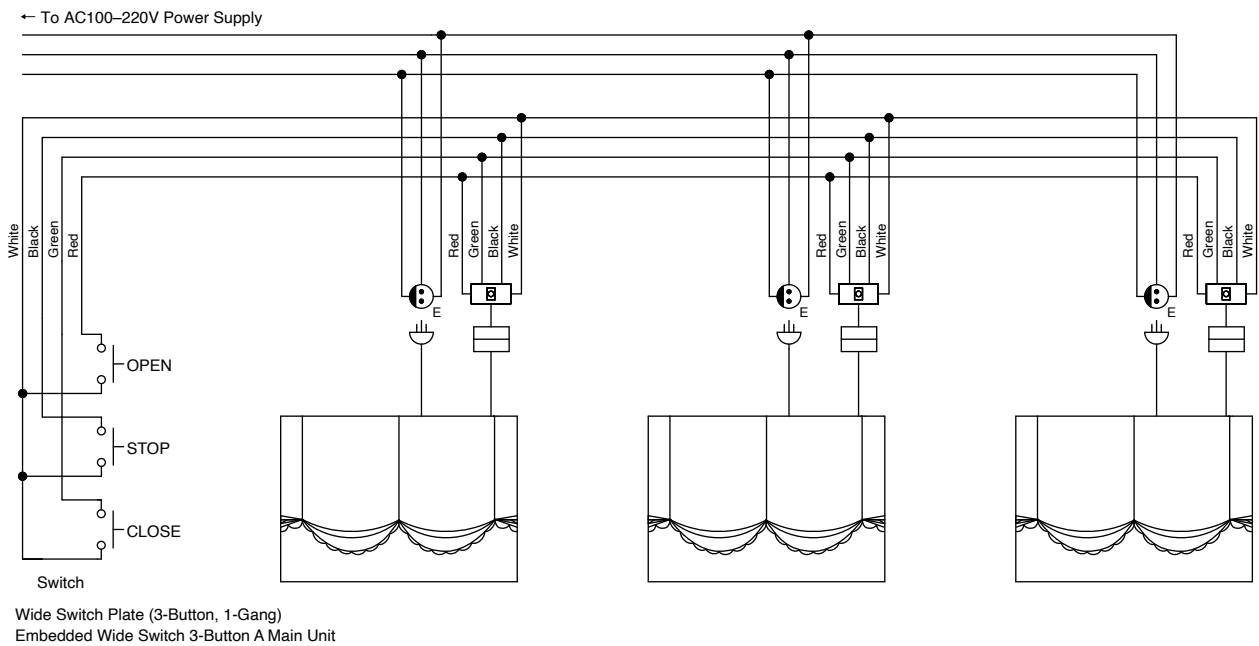
Basic Connection Diagram

3-button Switch (Contact Switch)

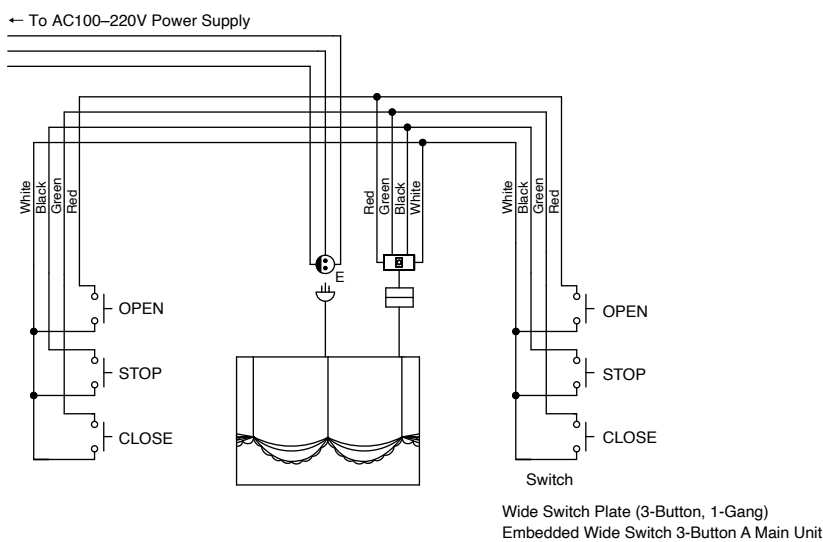
Individual Operation



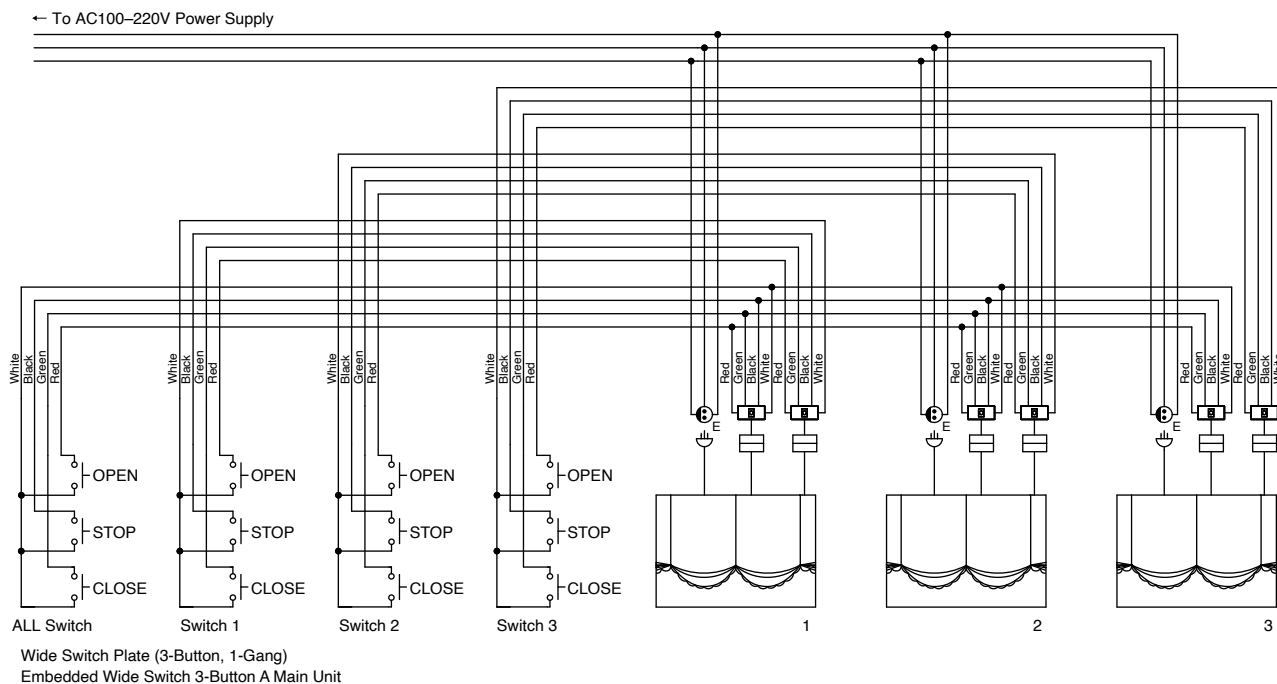
Simultaneous Operation



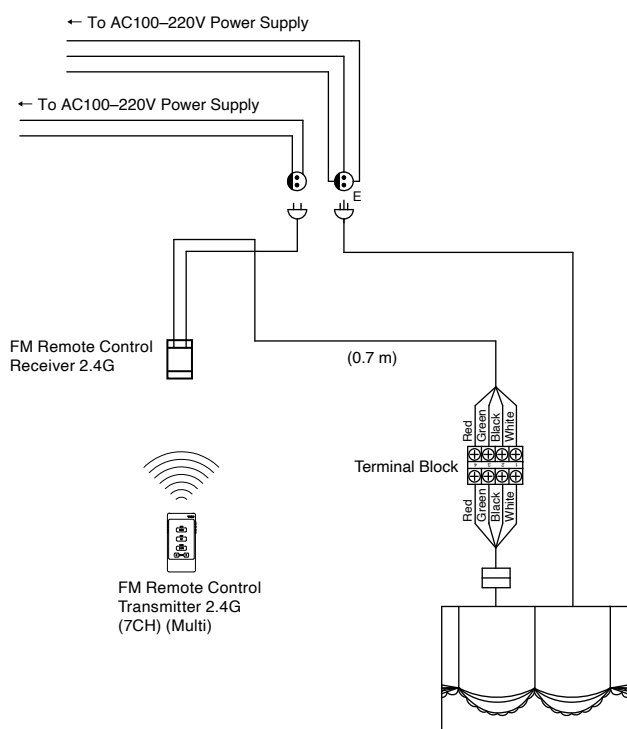
2-Location Operation



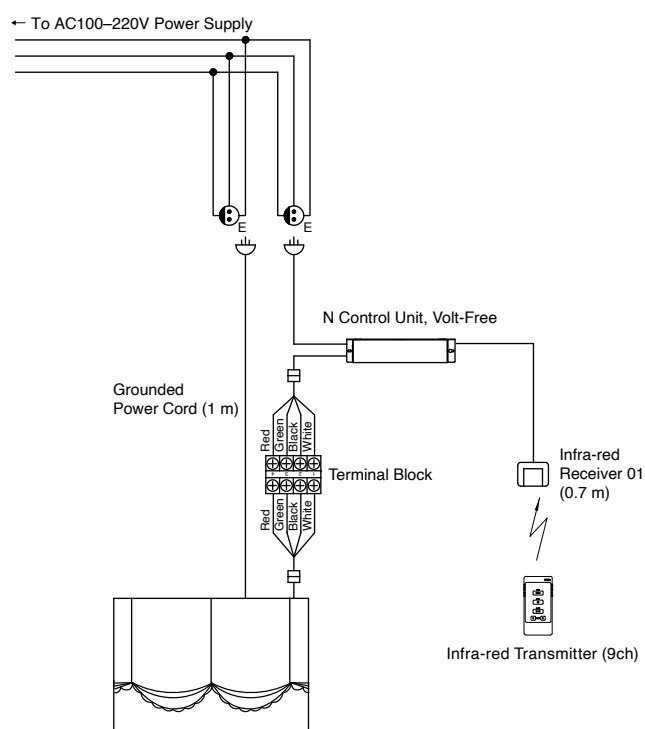
Simultaneous / Selective Operation



FM Remote Control Operation

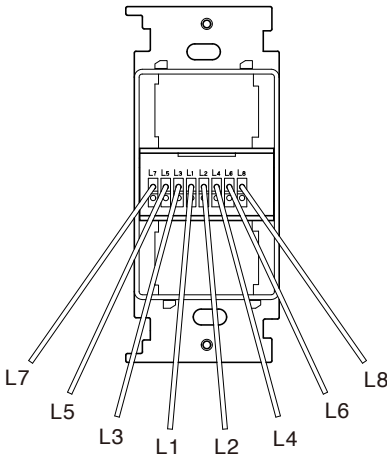


Infra-red Remote Control Operation



Embedded 8-Pin Modular Outlet Connection Details

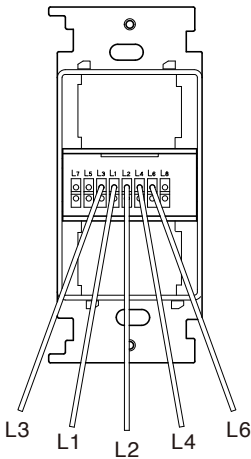
In case of Contact Switch



L1	White	COMMON
L2	Black	—
L3	Red	—
L4	Green	—
L5	Gray	CLOSE
L6	Brown	—
L7	Blue	STOP
L8	Yellow	OPEN

*Please insulate any unused wires.

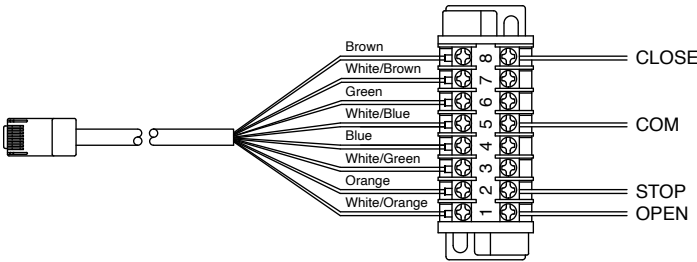
In case of Communication Switch



L1	White/Blue (5)	GND
L2	Blue (4)	+12V
L3	Green (6)	485 (A)
L4	White/Green (3)	FG
L5	—	—
L6	White/Brown (7)	485 (B)
L7	—	—
L8	—	—

*Please insulate any unused wires.

Embedded 8-Pin Modular Outlet Connection Details



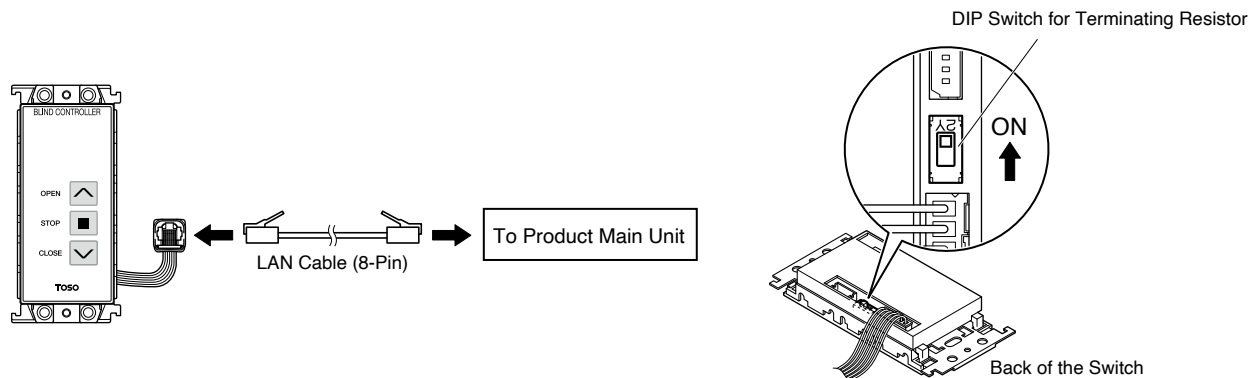
1	White/Orange	OPEN
2	Orange	STOP
3	White/Green	FG
4	Blue	+12V
5	White/Blue	COMMON
6	Green	485 (A)
7	White/Brown	485 (B)
8	Brown	CLOSE

*Please insulate any unused wires.

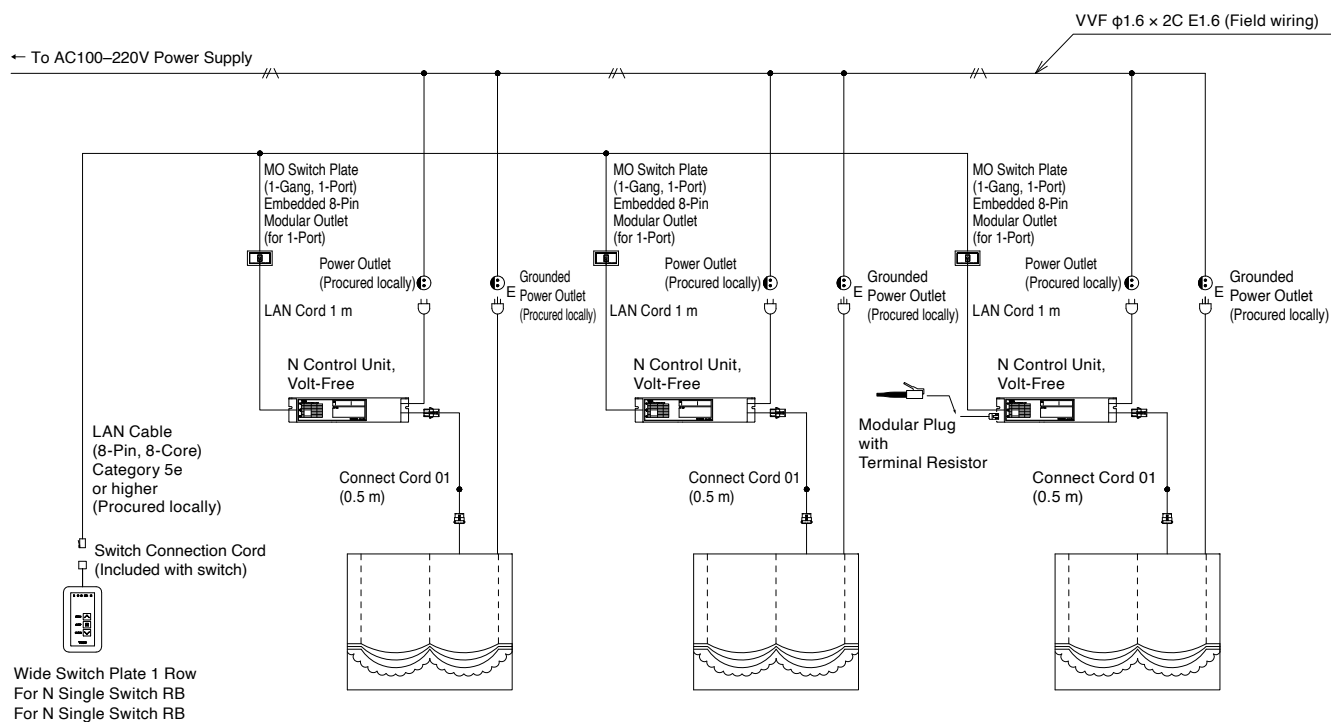
Communication Switch Connection Method

*When operating multiple units, a terminating resistor must be installed at the end of the communication line.

Connection Unit of Vertical Switch Main Unit



Installation of Terminating Resistor to the Product Main Unit



Control System Compatibility Chart

RS485 communication-type switches, conventional contact switches, wireless FM remote controls, and infrared remote controls are compatible.

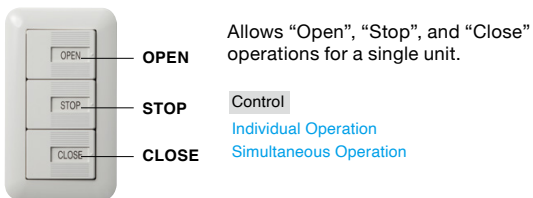
Switch Operation	Contact Switch	3-Button Switch	○
		2-Button Switch	○
	Communication Switch	N Single Switch	△ *
FM Remote Control Operation	FM Remote Control 2.4G (7CH)		○
	FM Multi Remote Control 2.4G		○
Infra-red Remote Control Operation			△ *

* Communication switches are made-to-order products.

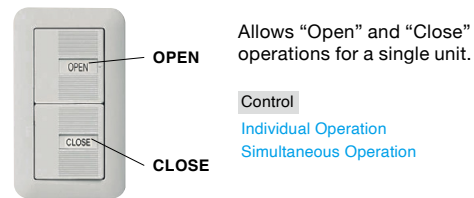
* An N Control Unit (voltage-free) is required.

Switch Operation

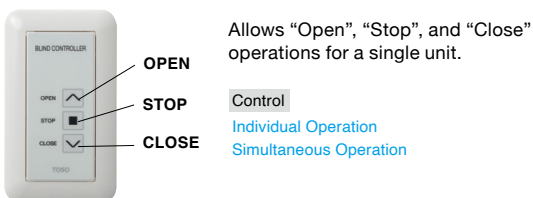
3-Button Switch (Contact Switch)



2-Button Switch (Contact Switch)



N Single Switch (Communication Switch)

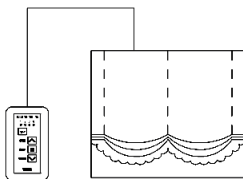


*Installation of a terminating resistor is required when using communication switches.

Types of Control

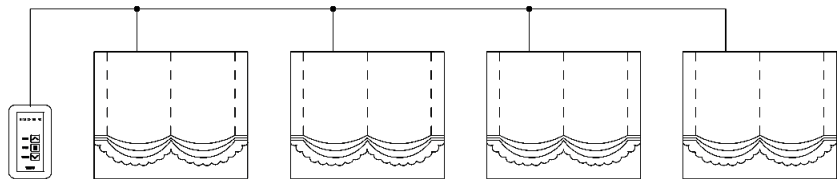
Individual Operation

A single switch operates one product.



Individual Operation

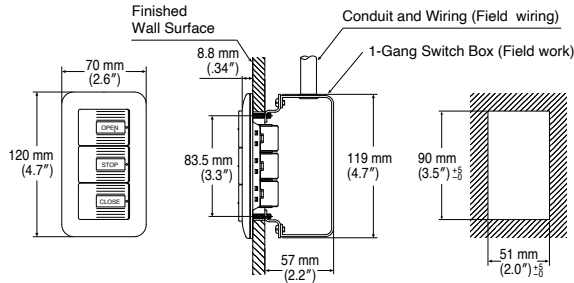
A single switch operates multiple products simultaneously.



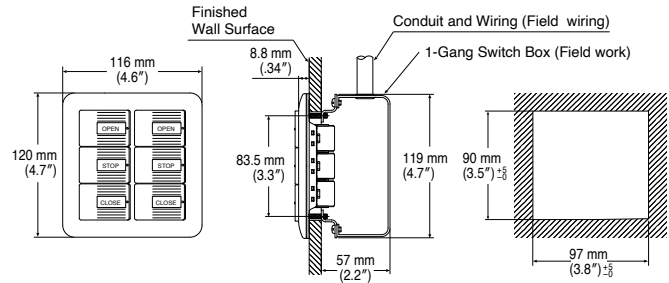
Switch Installation Drawings

Embedded 3-Button Switch (General-Purpose Type)

When using Wide Switch Plate (3-Button, 1-Gang) +
Embedded Wide Switch 3-Button A Main Unit



When using Wide Switch Plate (3-Button, 2-Gang) (1 pc.) +
Embedded Wide Switch 3-Button A Main Unit (2 pcs.)



Remote Control Operation

FM Remote Control 2.4G (7CH)



Long transmission range (approx. 30 m) ensures stable remote control operation.

- Enables 7CH individual or simultaneous operation for target products.

Width: 52 mm / 2.0"
Height: 109 mm / 4.3"
Depth: 14 mm / .56"

FM Multi-Remote Control 2.4G



Long transmission range (approx. 30 m) ensures stable remote control operation.

- Unit (Individual) Operation: Can control up to 120 units (6 units per zone).
- Zone Operation: Can control up to 20 zones.
- Simultaneous Operation: Can operate targeted products all at once.
- Timer Operation: Up to 20 patterns can be registered for simultaneous or zone-specific operation.

Width: 100 mm / 3.9" (107 mm / 4.2")
Height: 109 mm / 4.3" (125 mm / 4.9")
Depth: 14 mm / .56" (32 mm / 1.3")

* () indicates dimensions including the holder.

FM Remote Control Repeater 2.4G



- Receives specific signals and retransmits the same signal to support reliable FM remote control operation.
- By installing multiple repeaters, products located farther away can be operated.

Width: 70 mm / 2.8" (62 mm / 2.4")
Height: 155 mm / 6.1"
Depth: 31 mm / 1.2" (19 mm / .75")

* The width including the external antenna is 121 mm / 4.8".

FM Remote Control Receiver 2.4G (Compatible with Super Liberta)



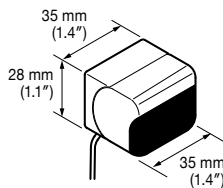
Width: 166 mm / 6.5"
Height: 54 mm / 2.1"
Depth: 32 mm / 1.6"

Infrared Remote Control (9CH)



Width: 52 mm / 2.0"
Height: 109 mm / 4.3"
Depth: 14 mm / .56"

Infrared Receiver 01



- Suitable for use within an unobstructed single-room space up to 10 m.
- Install the receiver in a location visible from where the remote control will be operated.

Product Width and Swag Count Confirmation Chart



Plain style



Sharp style

Product Width	1,000 –1,080 mm 39–42"	1,090–1,400 mm 43–55"	1,410–1,900 mm 56–74"	1,910–2,400 mm 75–94"	2,410–2,900 mm 95–114"	2,910–3,400 mm 115–133"	3,410–3,900 mm 134–153"	3,910–4,400 mm 154–173"
Number of Swags	2	3	4	5	6	7	8	9

Product Width	4,410–4,900 mm 174–192"	4,910–5,400 mm 193–212"	5,410–5,900 mm 213–232"	5,910–6,400 mm 233–251"	6,410–6,900 mm 252–271"	6,910–7,400 mm 272–291"	7,410–7,900 mm 292–310"	7,910–8,000 mm 311–315"
Number of Swags	10	11	12	13	14	15	16	17



Balloon style

Product Width	1,000 –1,200 mm 39–47"	1,210–1,700 mm 48–66"	1,710–2,200 mm 67–86"	2,210–2,700 mm 87–106"	2,710–3,200 mm 107–125"	3,210–3,700 mm 126–145"	3,710–4,000 mm 146–157"
Number of Swags	2	3	4	5	6	7	8



Austrian style

Product Width	1,000 –1,080 mm 39–43"	1,090–1,450 mm 43–56"	1,460–1,900 mm 57–74"	1,910–2,350 mm 75–92"	2,360–2,800 mm 93–110"	2,810–3,250 mm 111–127"	3,260–3,700 mm 128–145"	3,710–4,000 mm 146–157"
Number of Swags	2	3	4	5	6	7	8	9

