

Motorized Wood Blind

N Venewood AT 50



N Venewood AT50

N Venewood AT50's Unique Features

Wide size range

Manufacturable up to max width 2,400 mm, height 3,000 mm, and max area 6 m².

Built-in obstacle-stop limit

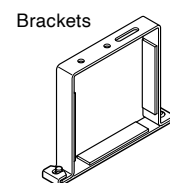
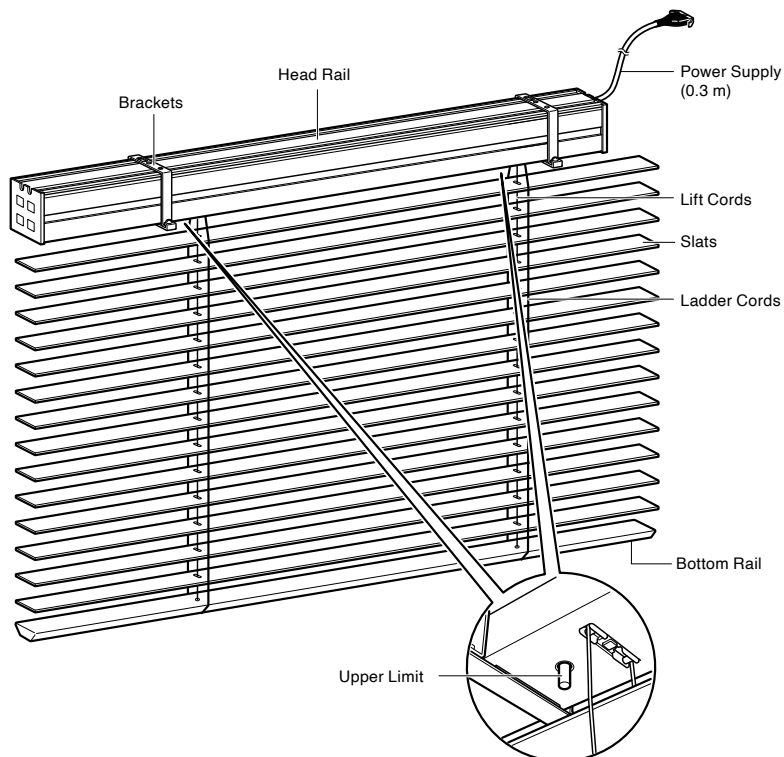
During lowering, if the bottom rail hits an obstacle, operation stops due to the obstacle-stop function.

Various control options

Supports conventional contact (dry-contact) switches, FM remote control (wireless), infrared remote control, and communication switches using RS485.



Structure Drawing



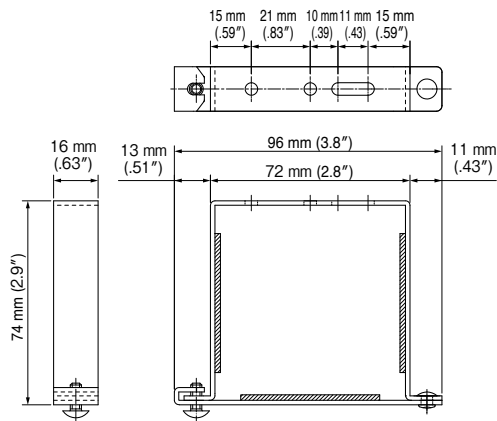
Motor Specifications

Power Source Voltage	V	AC 100–240V
Frequency	Hz	50 / 60
Rated Torque	Width: 1,400 mm or less	N.m 1.47
	Width: 1,410 mm or more	N.m 2.45
Rated RPM	rpm	30
Power Consumption	Operation	W 38
	Standby	W 0.5 or less
Operating Voltage	V	DC12
Operating Consumption	mA	6
Operating Temperature Range	°C	0 to 50 (without condensation)
Rated Running Time	sec.	130

Allowable Size

Product Name	N Venewood AT50 (Ladder cord type)
Slat Width	50 mm (2.0")
Product Width	850–2,400 mm (33–94")
Product Height	500–3,000 mm (20–118")
Maximum Area	6m ² (7.2 yd ²) or less
Slat Colors	5 colors ("see Slat Color Samples")

Bracket Dimension Drawing



Number of Brackets

Product Width	850–1,200 mm (33–47")	1,210–1,600 mm (48–63")	1,610–2,300 mm (63–91")	2,310–2,400 mm (91–94")
Number	2	3	4	5

Number of Ladder Cords / Lift Cords

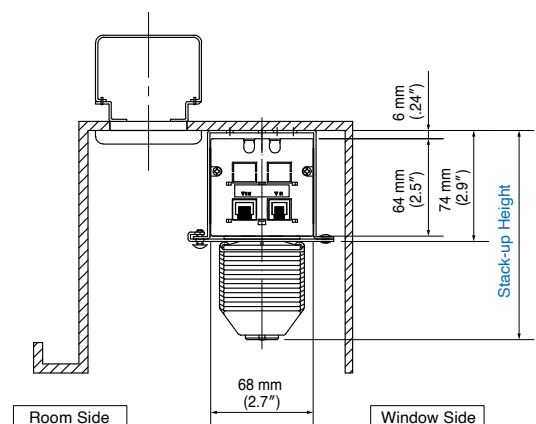
Product Width	850–950 mm (33–37")	960–1,200 mm (38–47")	1,210–1,400 mm (48–55")	1,410–1,600 mm (56–62")	1,610–2,400 mm (63–94")
Ladder Cords	2	3	4	4	5
Lift Cords	2	2	2	4	3

Calculation of Total Weight

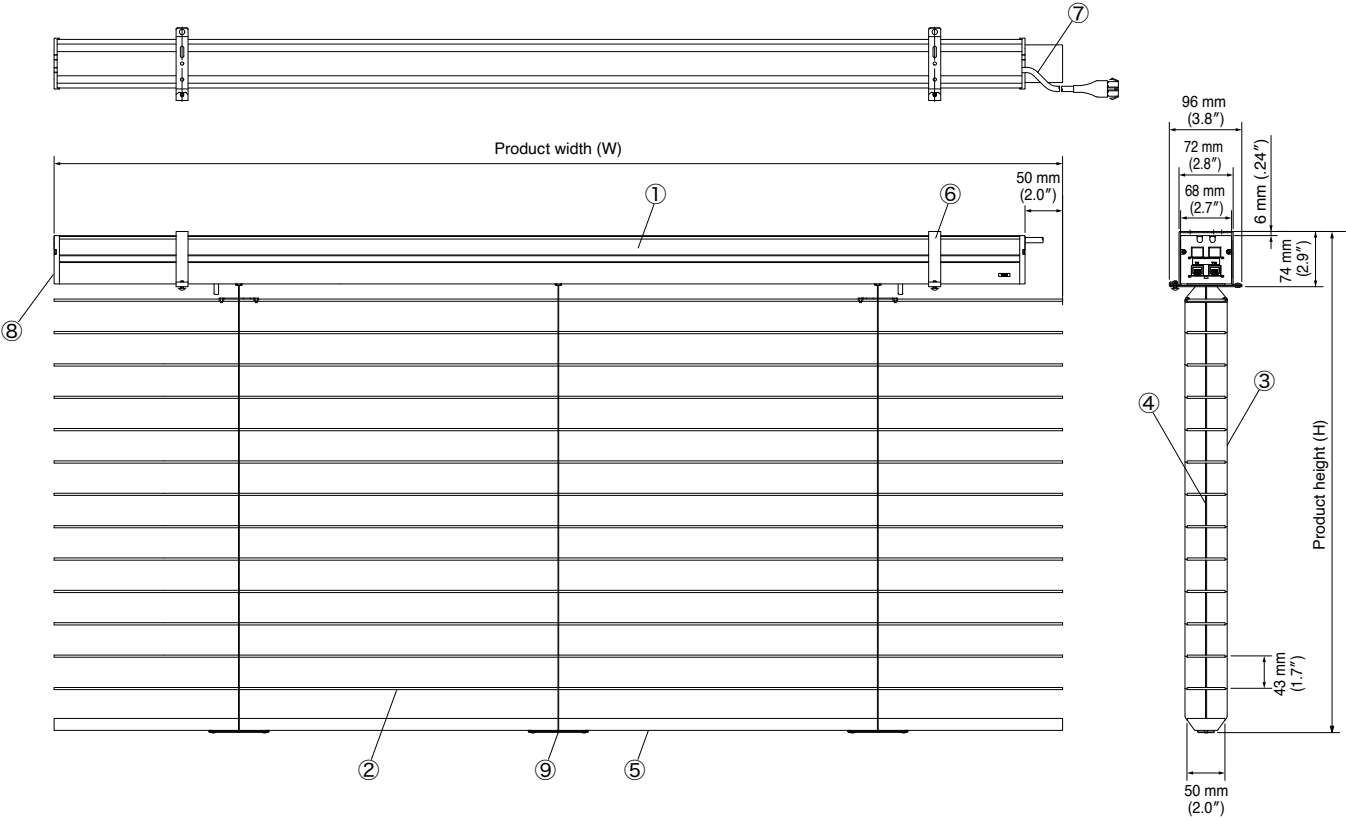
Product Width	Calculation of Total Weight
850–1,400 mm (33–55")	Product area (m ²) × 1.65 + Product Width (m) × 1.05 + 1.7 kg
1,410–2,400 mm (56–94")	Product area (m ²) × 1.65 + Product Width (m) × 1.07 + 2.3 kg

Stack Height Calculation Formula (mm)

Product height × 0.07 + 95



Product Drawing



No.	Product Name	Materials / Specifications	Color
①	Head Rail	Aluminum	Silver
②	Slat	Basswood	—
③	Ladder Cord	Chemical fiber	—
④	Lift Cord	Chemical fiber	—
⑤	Bottom Rail	Basswood	—
⑥	Brackets	Steel	Silver
⑦	Power Supply	VCTF 0.75sq × 3C (0.3 m/12")*	Gray
⑧	Side Cover	Molded resin	—
⑨	Bottom Cover	Molded resin	—

* Can be changed to 0.2 m. Specify at time of order.

- Wooden components use well-dried, highly stable natural wood; slight warping/bowing may occur depending on the environment.
- When multiple blinds are installed side by side, slat angles may not align perfectly due to slat warping/bowing.
- Do not use in hot/humid locations, places prone to condensation, or near fire/open flames.

Guide Table for Finished Product Height

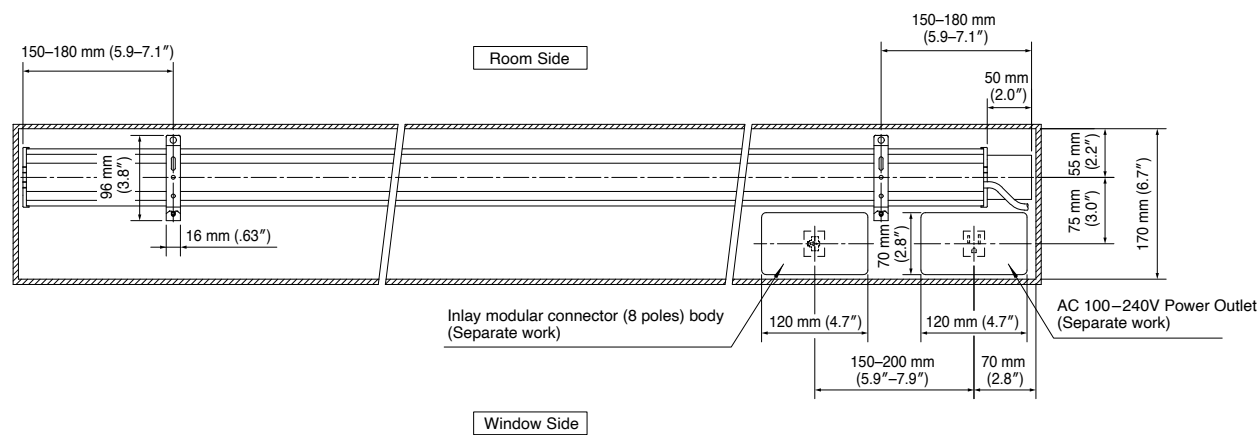
The actual finished height relative to the ordered height is as shown in the table.

* Due to product characteristics, some deviation may occur.

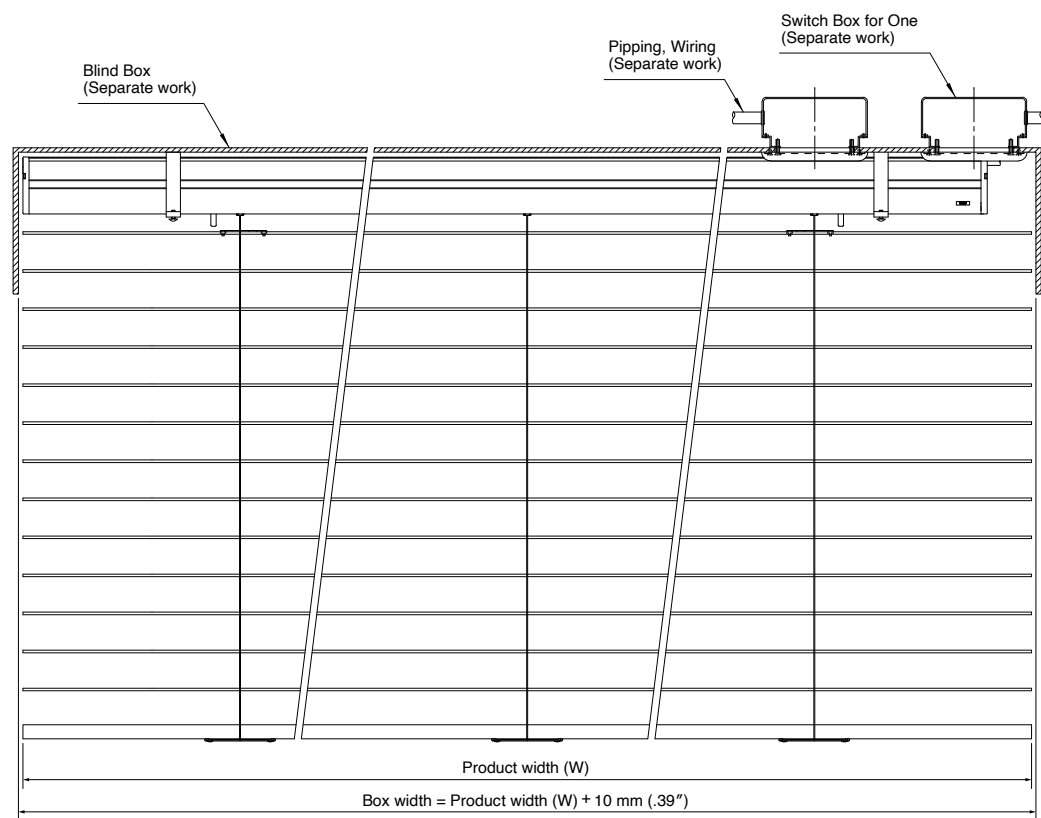
Order height	Finished product height	Order height	Finished product height	Order height	Finished product height	Order height	Finished product height
– 500 mm – 19.7"	500 mm 19.7"	1,120 – 1,150 mm 44.1 – 45.3"	1,150 mm 45.3"	1,760 – 1,790 mm 69.3 – 70.5"	1,790 mm 70.5"	2,410 – 2,440 mm 94.9 – 96.1"	2,440 mm 96.1"
510 – 550 mm 20.1 – 21.7"	550 mm 21.7"	1,160 – 1,190 mm 45.7 – 46.9"	1,190 mm 46.9"	1,800 – 1,840 mm 70.9 – 72.4"	1,840 mm 72.4"	2,450 – 2,480 mm 96.5 – 97.6"	2,480 mm 97.6"
560 – 590 mm 22.0 – 23.2"	590 mm 23.2"	1,200 – 1,240 mm 47.2 – 48.8"	1,240 mm 48.8"	1,850 – 1,880 mm 72.8 – 74.0"	1,880 mm 74.0"	2,490 – 2,530 mm 98.0 – 99.6"	2,530 mm 99.6"
600 – 630 mm 23.6 – 24.8"	630 mm 24.8"	1,250 – 1,280 mm 49.2 – 50.4"	1,280 mm 50.4"	1,890 – 1,920 mm 74.4 – 75.6"	1,920 mm 75.6"	2,540 – 2,570 mm 100.0 – 101.2"	2,570 mm 101.2"
640 – 680 mm 25.2 – 26.8"	680 mm 26.8"	1,290 – 1,320 mm 50.8 – 52.0"	1,320 mm 52.0"	1,930 – 1,970 mm 76.0 – 77.6"	1,970 mm 77.6"	2,580 – 2,610 mm 101.6 – 102.8"	2,610 mm 102.8"
690 – 720 mm 27.2 – 28.3"	720 mm 28.3"	1,330 – 1,360 mm 52.4 – 53.5"	1,360 mm 53.5"	1,980 – 2,010 mm 78.0 – 79.1"	2,010 mm 79.1"	2,620 – 2,650 mm 103.1 – 104.3"	2,650 mm 104.3"
730 – 760 mm 28.7 – 29.9"	760 mm 29.9"	1,370 – 1,410 mm 53.9 – 55.5"	1,410 mm 55.5"	2,020 – 2,050 mm 79.5 – 80.7"	2,050 mm 80.7"	2,660 – 2,700 mm 104.7 – 106.3"	2,700 mm 106.3"
770 – 810 mm 30.3 – 31.9"	810 mm 31.9"	1,420 – 1,450 mm 55.9 – 57.1"	1,450 mm 57.1"	2,060 – 2,100 mm 81.1 – 82.7"	2,100 mm 82.7"	2,710 – 2,740 mm 106.7 – 107.9"	2,740 mm 107.9"
820 – 850 mm 32.3 – 33.5"	850 mm 33.5"	1,460 – 1,490 mm 57.5 – 58.7"	1,490 mm 58.7"	2,110 – 2,140 mm 83.1 – 84.3"	2,140 mm 84.3"	2,750 – 2,780 mm 108.3 – 109.4"	2,780 mm 109.4"
860 – 890 mm 33.9 – 35.0"	890 mm 35.0"	1,500 – 1,540 mm 59.1 – 60.6"	1,540 mm 60.6"	2,150 – 2,180 mm 84.6 – 85.8"	2,180 mm 85.8"	2,790 – 2,830 mm 109.8 – 111.4"	2,830 mm 111.4"
900 – 930 mm 35.4 – 36.6"	930 mm 36.6"	1,550 – 1,580 mm 61.0 – 62.2"	1,580 mm 62.2"	2,190 – 2,220 mm 86.2 – 87.4"	2,220 mm 87.4"	2,840 – 2,870 mm 111.8 – 113.0"	2,870 mm 113.0"
940 – 980 mm 37.0 – 38.6"	980 mm 38.6"	1,590 – 1,620 mm 62.6 – 63.8"	1,620 mm 63.8"	2,230 – 2,270 mm 87.8 – 89.4"	2,270 mm 89.4"	2,880 – 2,910 mm 113.4 – 114.6"	2,910 mm 114.6"
990 – 1,020 mm 39.0 – 40.2"	1,020 mm 40.2"	1,630 – 1,670 mm 64.2 – 65.7"	1,670 mm 65.7"	2,280 – 2,310 mm 89.8 – 90.9"	2,310 mm 90.9"	2,920 – 2,960 mm 115.0 – 116.5"	2,960 mm 116.5"
1,030 – 1,060 mm 40.6 – 41.7"	1,060 mm 41.7"	1,680 – 1,710 mm 66.1 – 67.3"	1,710 mm 67.3"	2,320 – 2,350 mm 91.3 – 92.5"	2,350 mm 92.5"	2,970 – 3,000 mm 116.9 – 118.1"	3,000 mm 118.1"
1,070 – 1,110 mm 42.1 – 43.7"	1,110 mm 43.7"	1,720 – 1,750 mm 67.7 – 68.9"	1,750 mm 68.9"	2,360 – 2,400 mm 92.9 – 94.5"	2,400 mm 94.5"		

Installation Dimensions and Diagram

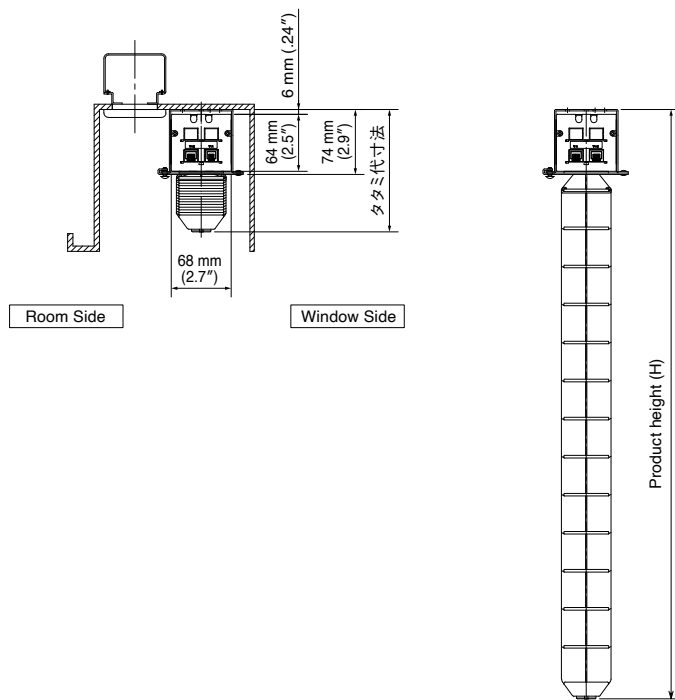
Top View



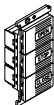
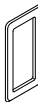
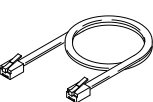
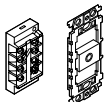
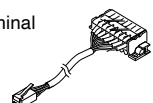
Front View



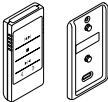
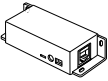
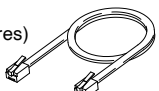
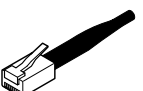
Side View



N Venewood AT50 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
N Venewood AT50 (Main Unit)			1	N	1 (N)	1 (N)	1 (N)	1 (N)	1	N	N
Power Cord E (with Plug) 		30009343	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 Wide Switch Plate 1 Row 	00510309	1	1			1 (N)	1 (N)	1	1	1
	N Single Switch for IB 	30003865							*	*	
	Zone Switch for IB 	30003867							*	*	
	Multi-zone Switch for IB 	30003866									1
Connectors	Inlay Modular Connector (8 Poles) Body 	00510267	1	N			1 (N)	1 (N)	1	N	N
	MO Switch Plate 1 Button 1 Row 	00510259	1	N			1 (N)	1 (N)	1	N	N
	LAN Cord (1 m) 	30005261	1	N			1 (N)	1 (N)	1	N	N
	Inlay Junction Box 	00510266	△	△			△	△	△	△	△
	LAN Cord with Terminal 	30005260	△	△			△	△	△	△	△

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

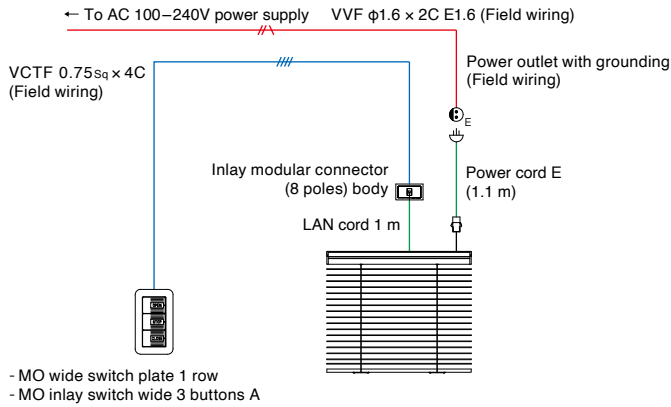
Product Name		Product Code	Contact Switch + Remote Control Operation						Communication Switch		
			Individual	Simultaneous	FM Remote	IR Remote	FM Remote + 3-Button	IR Remote + 3-Button	Individual	Simultaneous	Simultaneous Selection
FM Remote Control	FM Remote-control Transmitter 2.4G 7ch (JP) 	30011923			*		*				
	FM Multi-control Transmitter 2.4G 	30006411			*		*				
	FM Remote Receiver 2.4G with IR Terminal 	02390042			1 (N)		1 (N)				
	Modular Cord 1 M (six-poles, four-cores) 	02380002			1 (N)		1 (N)				
	FM Remote-control Relay Unit 2.4G 	30006412			△		△				
Infrared Remote Control	Infra-red Transmitter (9ch) 	30011924				1		1			
	Infra-red Receiver 01 	00510184				1 (N)		1 (N)			
Other	Modular Plug with Terminal Resister 	30003956								△	△

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

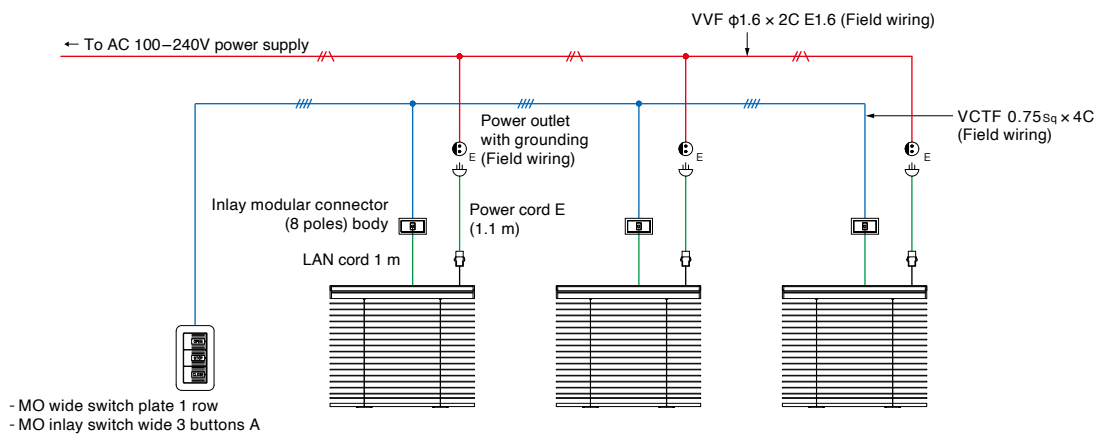
Basic Wiring Diagram

3-button Switch (Dry Contact Switch)

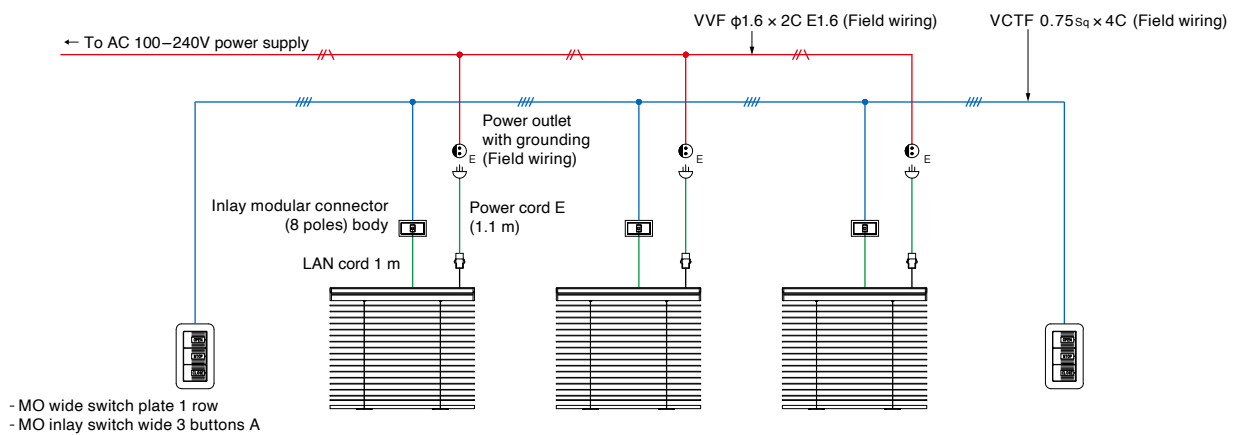
Individual Operation



Simultaneous Operation



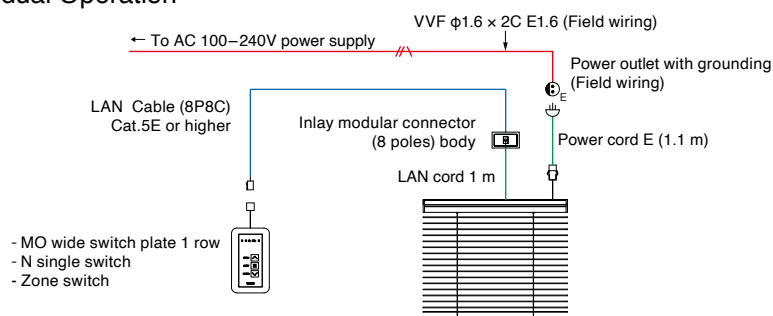
Two-location Simultaneous Operation



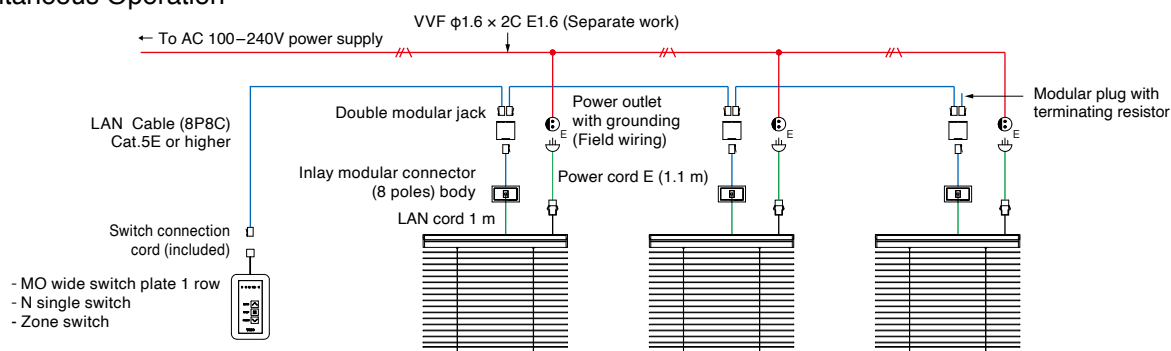
Explanatory notes: — Power line, — Low voltage control line, — TOSO standard (order separately), — Cord supplied with unit

N Single Switch, Zone Switch, Multi-zone Switch for IB (Communication Switch)

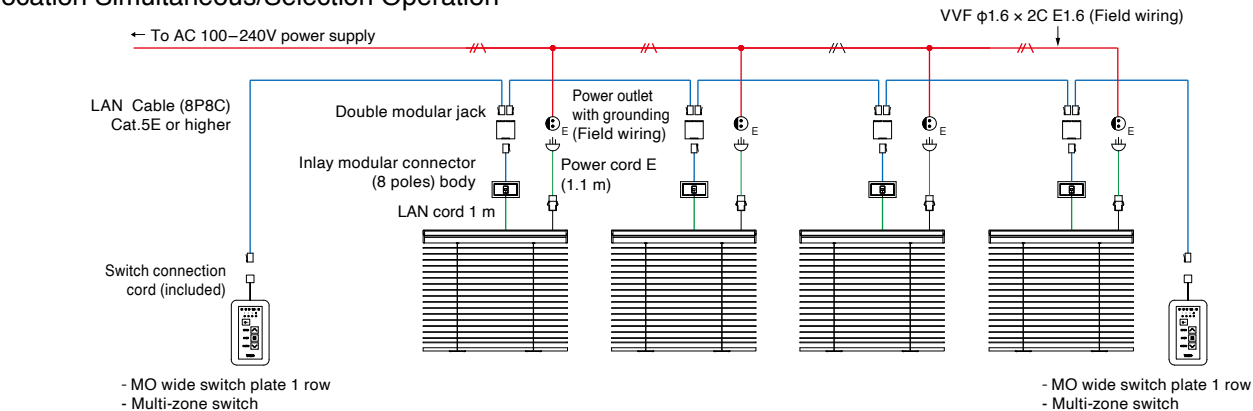
Individual Operation



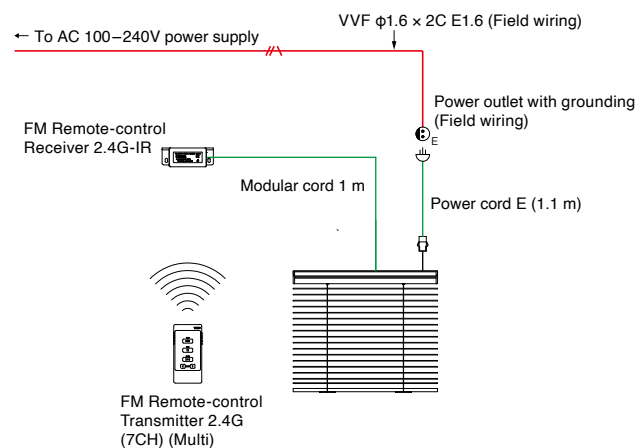
Simultaneous Operation



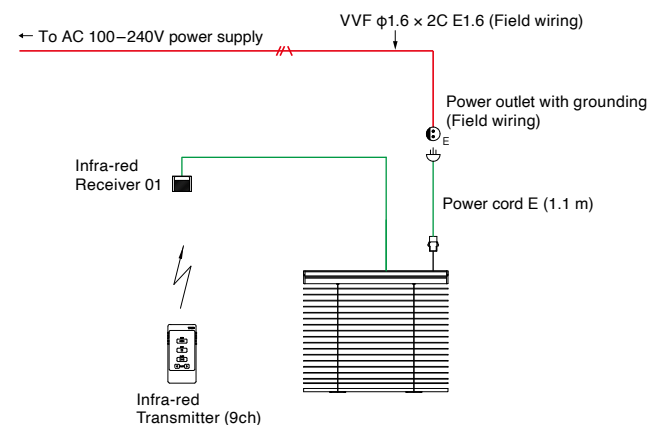
Two-location Simultaneous/Selection Operation



FM Remote-control Operation



Infra-red Remote-control Operation

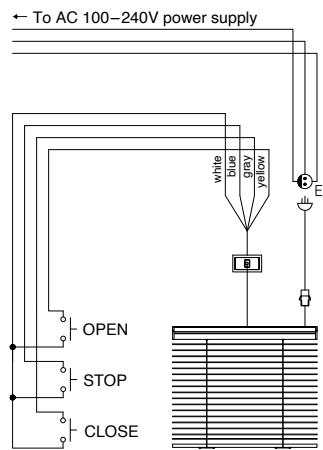


Explanatory notes: — Power line, — Low voltage control line, — TOSO standard (order separately), — Cord supplied with unit

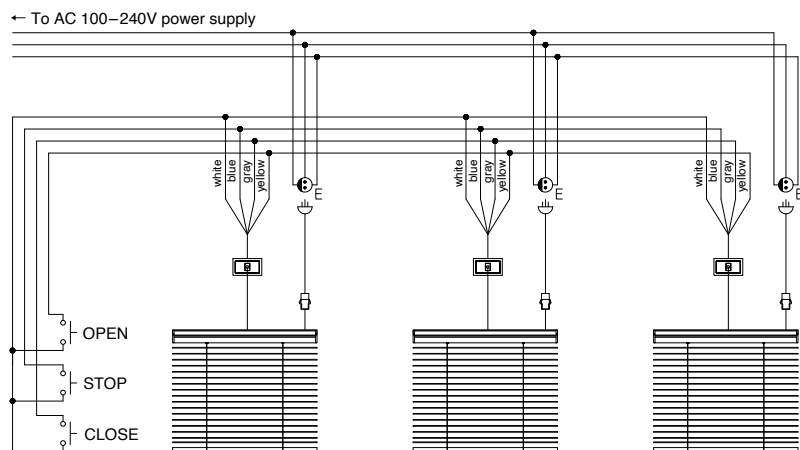
Basic Connecting Diagram

3-button Switch (Dry Contact Switch)

Individual Operation



Simultaneous Operation



Two-locations Simultaneous Operation

