

Motorized Roman Shade

ATF45-RS



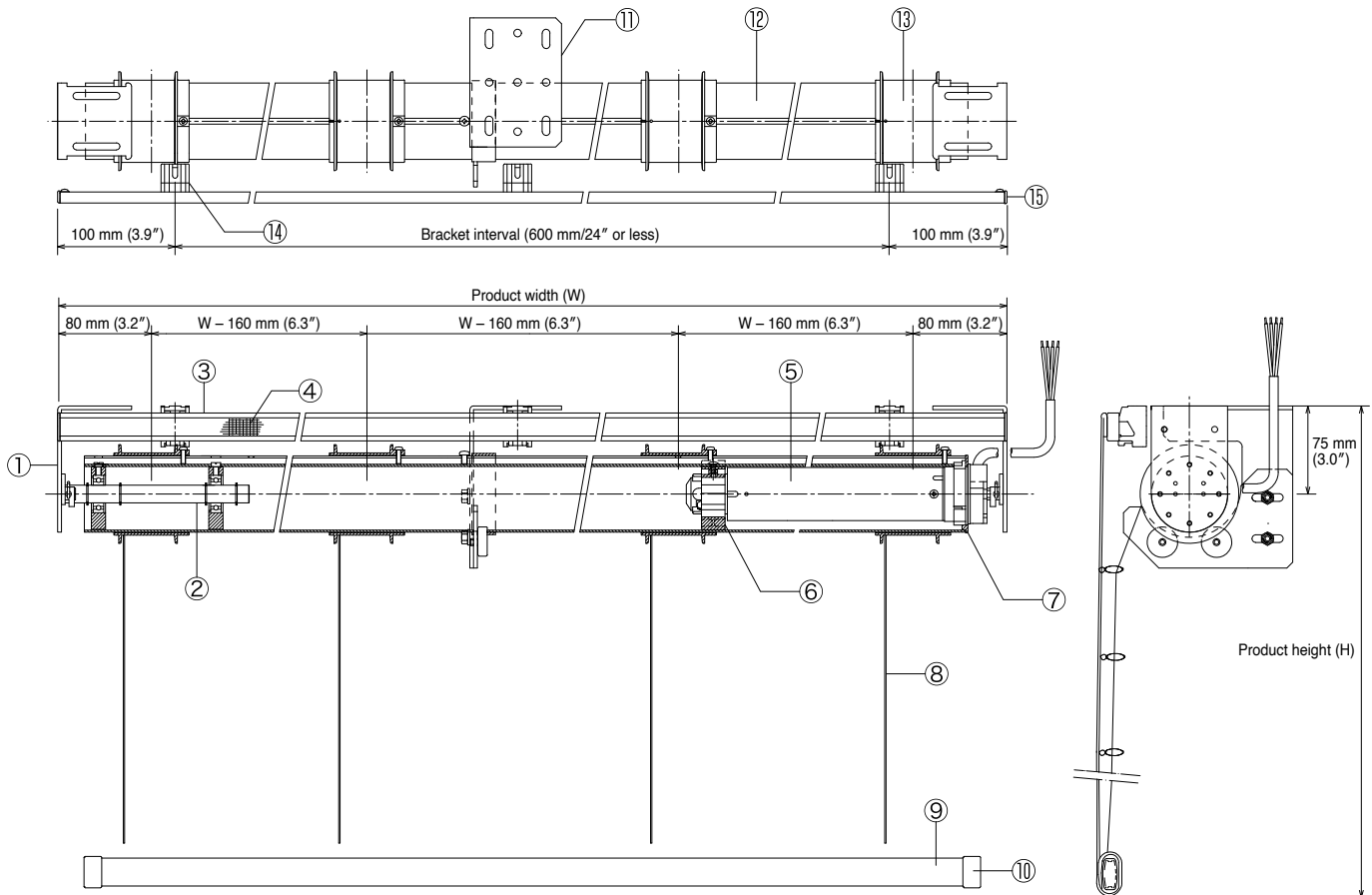
- Perfect fit for large and high windows.
- 4,000 mm (158") wide is possible with Intermediate Bracket.
- Switch operation type and FM remote type are available.

ATF45-RS

ATF45-RS's Unique Features

- Quiet operation less than 40 dB.
- Fit for a large or high window: up to 4 m (158") in width or 4 m (158") in height.
- Switch operation type and FM remote type (built-in FM Receiver) are available.

Structure Drawing



Components and Materials

No.	Components	Material
①	ATF45 Side Bracket	Steel
②	ATF45-N Pipe End N	Steel + Zinc die-cast
③	Free Head Rail	Aluminum
④	RS Slide-in Velcro	Polypropylene
⑤	ATF45-04Q/04QRF Tubular Motor	—
⑥	ATF45-03 Drive	Polyacetal resin
⑦	ATF45-S Limit Crown	Polyacetal resin
⑧	Lift Cord ϕ 1.2	Polyester fiber

No.	Components	Material
⑨	RS Weight Bar 25	Steel
⑩	RS Weight Bar Cap 25	Polyethylene resin
⑪*	ATF45-RS Intermediate Bracket	Steel + Polyacetal resin
⑫	ATF45 Roller Pipe ϕ 60	Aluminum
⑬	ATF45-RS Recoiling Pulley	Polyacetal resin
⑭	Free Bracket	Polyacetal resin
⑮	Free Head Cap	Polyacetal resin

* When the product width is 2,510 mm (99") or more, this is attached.

Motor Specifications

Power Source Voltage	V	AC220–230
Frequency	Hz	50 / 60
Current	A	0.485
Power Consumption	W	115
Rated Torque	Nm	4
Rated RPM	rpm	23
Rated Running Time	min	4
Ambient Temperature	C	–10 to 40

*Since this is not synchronized motor, RPM is vary depending on fabric weight.

Allowable Size

Width	ATF45Q	900–4,000 mm (35–158")
	ATF45QRF	1,000–4,000 mm (39–158")
Height		600–4,000 mm (24–158")
Max Surface Area		16 m ² (19 yd ²)

Maximum Screen Weight

8.0 kg (18 lb)
(1.0 kg/2 lb or less per one Pulley)

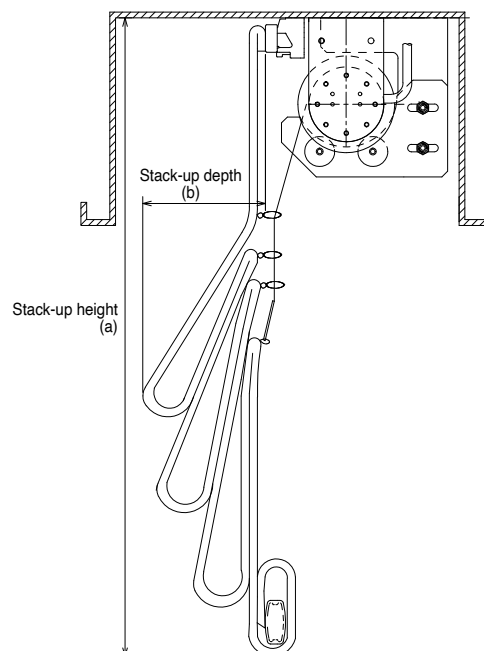
Product Weight

6.3 kg (14 lb)
(width: 2,000 mm/79" without screen)

Recommended Number of Lift Cords

Product Width	Number of Lift Cords	Product Width	Number of Lift Cords
900–1,400 mm (36–55")	4	2,910–3,400 mm (115–133")	8
1,410–1,900 mm (56–74")	5	3,410–3,900 mm (134–153")	9
1,910–2,400 mm (75–94")	6	3,910–4,000 mm (154–158")	10
2,410–2,900 mm (95–114")	7		

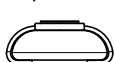
Stack-up Guide



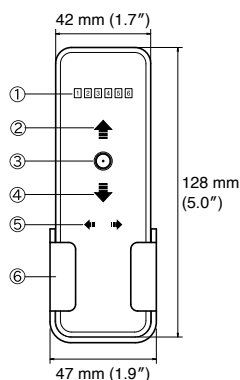
Style	Plain		Plain with Rods		Balloon
Product Height	–3,000 mm (118")	–4,000 mm (158")	–1,500 mm (59")	–3,000 mm (118")	–4,000 mm (158")
Recommended Ring Interval	200 mm (7.9")	300 mm (11.8")	120 mm (4.7")	150 mm (5.9")	300 mm (11.8")
Stack-up Height Dimension (a)	250 mm (9.8") + H/80 mm (3.2")	333 mm (13") + H/120 mm (4.7")	270 mm (11") + H/24 mm (.94")	300 mm (12") + H/30 mm (1.2")	480 mm (19") + H/60 mm (2.4")
Stack-up Depth Dimension (b)	80 mm (3.2")		100 mm (3.9")		200 mm (7.9")

FM Remote-Control Transmitter

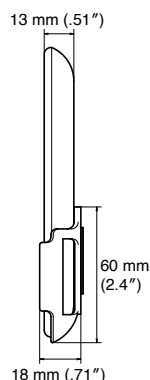
Top view



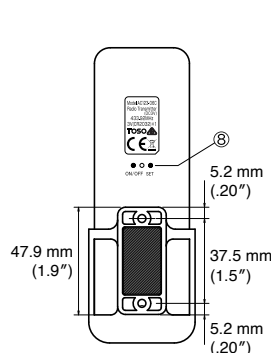
Front view



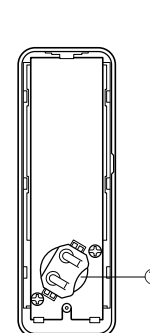
Side view



Back view



Inside view



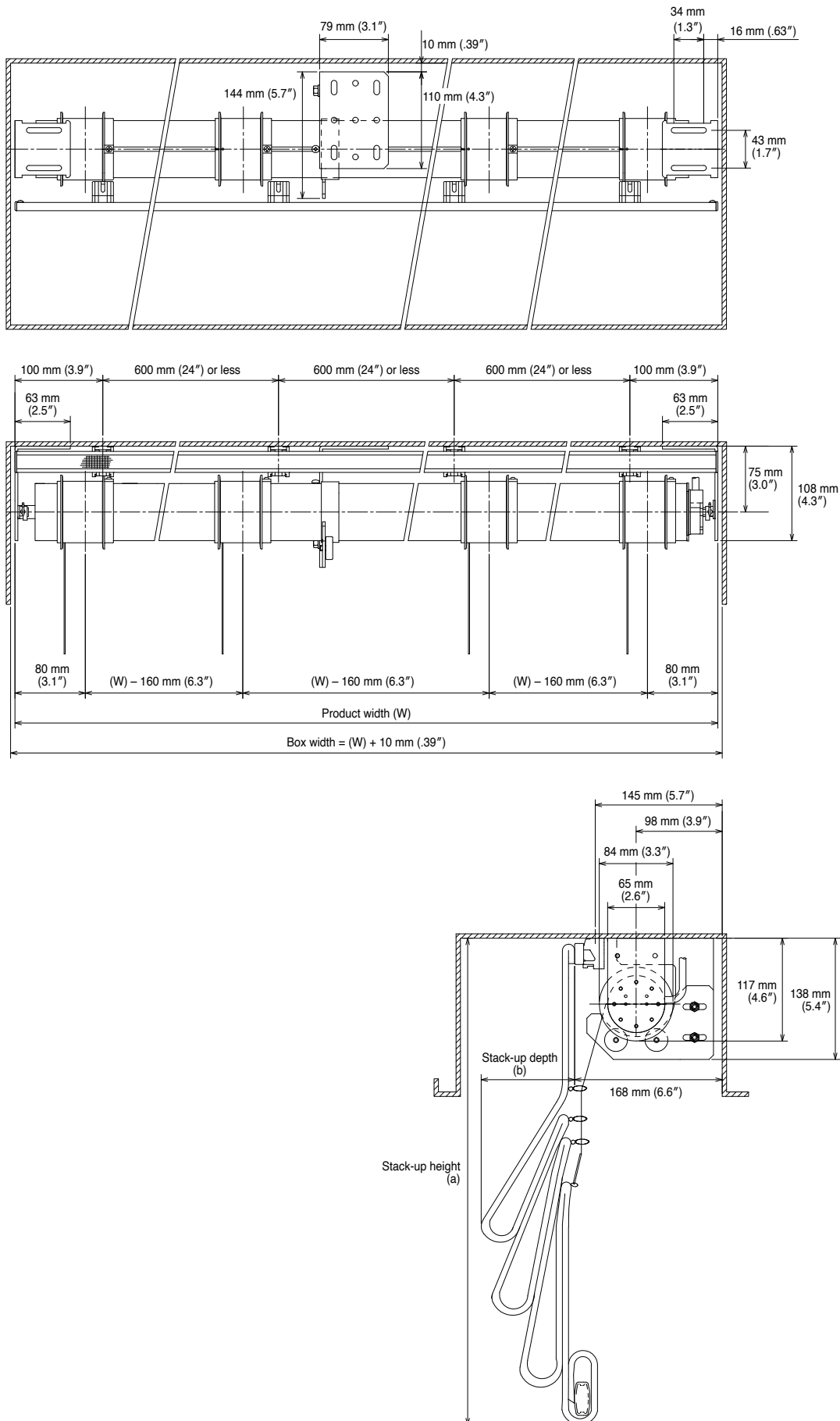
Parts Name

①	Address No. LED Indicator Lamp
②	Open Button
③	Stop Button
④	Close Button
⑤	Address No. Setting Button
⑥	Holder
⑦	Lithium Battery (CR2032)
⑧	ON/OFF Button

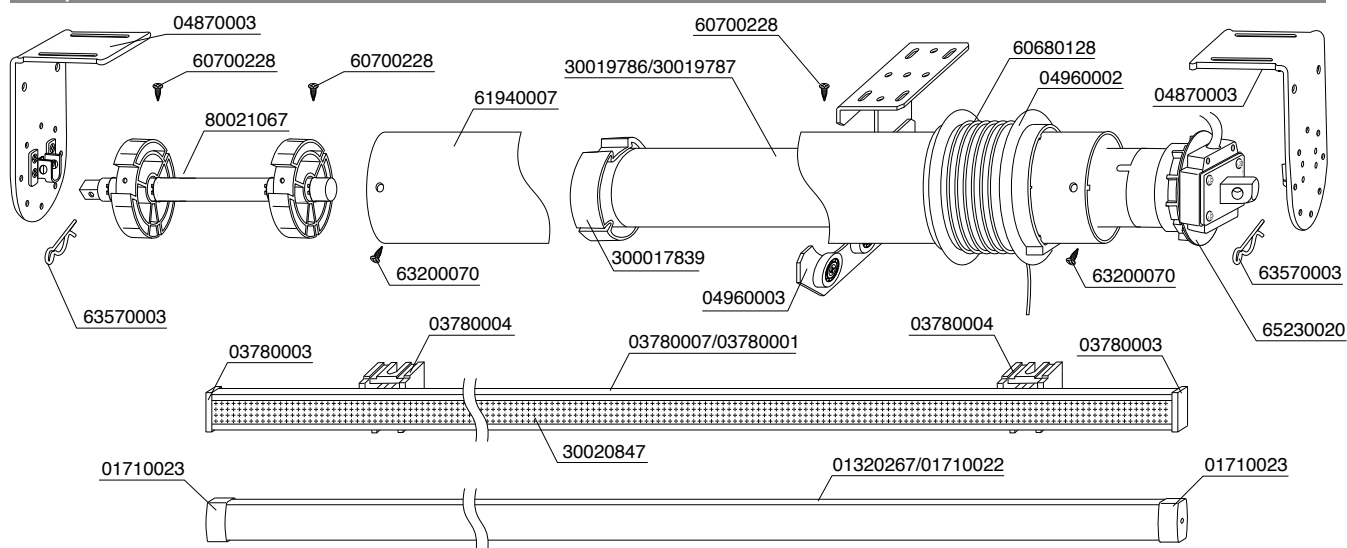
Specification

Source Voltage	DC 3V (CR2032 × 1)
Source Current	20 mA or lower
Wave Frequency	433.92 MHz
Number of Channel	1 to 6 (ALL for 6 CH)
Ambient Temperature	–10 to 50°C (Non-condensing)
Reaching Distance	30 m (varies depending on the condition)
Product Size	W 42 mm × H 128 mm × D 13 mm
Product Weight	Approx. 58 g

Overall Structure Drawing



Exploded View



Parts and Components

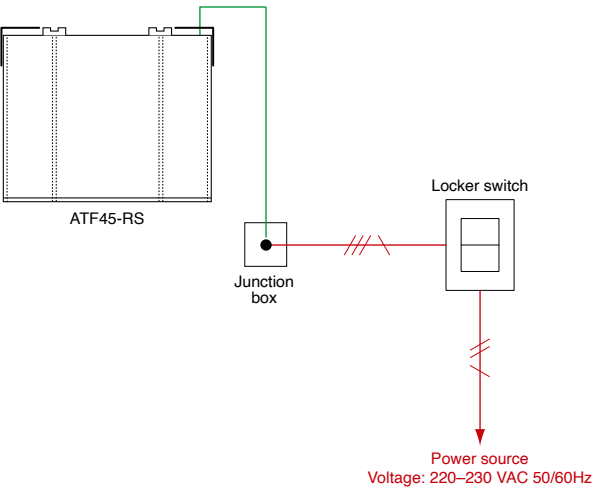
Item No.	Product Name	Product Width			
		900–1,400 mm (35–55")	1,410–1,900 mm (56–74")	1,910–2,400 mm (75–94")	2,410–2,900 mm (95–114")
30019786	ATF45-04Q (switch operation)	1 pc	1 pc	1 pc	1 pc
30019787	ATF45-04QRF (RF operation)				
61940007	ATF45 Roller Pipe $\phi 60$ 4,000 mm (157")	W–70 mm (2.8") $\times$ 1 pc	W–70 mm (2.8") $\times$ 1 pc	W–70 mm (2.8") $\times$ 1 pc	W–70 mm (2.8") $\times$ 1 pc
65230020	ATF45-S Limit Crown	1 pc	1 pc	1 pc	1 pc
30017839	ATF45-03 Drive	1 pc	1 pc	1 pc	1 pc
80021067	ATF45-N Pipe End N	1 pc	1 pc	1 pc	1 pc
04870003	ATF45 Side Bracket	2 pcs	2 pcs	2 pcs	2 pcs
63570003	Split Pin	2 pcs	2 pcs	2 pcs	2 pcs
60700228	Tapping Screw for Plastic $\phi 4.0 \times 8$	1 pc	1 pc	1 pc	1 pc
63200070	Tapping Screw TS 3 $\times$ 10	2 pcs	2 pcs	2 pcs	2 pcs
04960002	ATF45-RS Recoiling Pulley	4	5	6	7
60680128	Lift Cord $\phi 1.2$	5 m (197") $\times$ 4 pcs	5 m (197") $\times$ 5 pcs	5 m (197") $\times$ 6 pcs	5 m (197") $\times$ 7 pcs
03780007/03780001	Freel Head Rail	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc
30020847	Hook and Loop Fastener (Hook Side) Slide-in Type	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc
03780003	Freel Head Cap	2 pcs	2 pcs	2 pcs	2 pcs
03780004	Freel Bracket	$((W - 200 \text{ mm}) / 600 \text{ mm})$ pcs, $((W - 7.9") / 24")$ pcs			
04960003	ATF45-RS Intermediate Bracket	–W 2,500 mm (98"): none, W 2,510–4,000 mm (99–158"): 1 pc			
01710023	RS Weight Bar Cap 25	2 pcs	2 pcs	2 pcs	2 pcs
01320267/01710022	RS Weight Bar 25	W–50 mm (2.0") $\times$ 1 pc	W–50 mm (2.0") $\times$ 1 pc	W–50 mm (2.0") $\times$ 1 pc	W–50 mm (2.0") $\times$ 1 pc

Item No.	Product Name	Product Width		
		2,910–3,400 mm (115–133")	3,410–3,900 mm (134–153")	3,910–4,000 mm (154–158")
30019786	ATF45-04Q (switch operation)	1 pc	1 pc	1 pc
30019787	ATF45-04QRF (RF operation)			
61940007	ATF45 Roller Pipe $\phi 60$ 4,000 mm (157")	W–70 mm (2.8") $\times$ 1 pc	W–70 mm (2.8") $\times$ 1 pc	W–70 mm (2.8") $\times$ 1 pc
65230020	ATF45-S Limit Crown	1 pc	1 pc	1 pc
30017839	ATF45-03 Drive	1 pc	1 pc	1 pc
80021067	ATF45-N Pipe End N	1 pc	1 pc	1 pc
04870003	ATF45 Side Bracket	2 pcs	2 pcs	2 pcs
63570003	Split Pin	2 pcs	2 pcs	2 pcs
60700228	Tapping Screw for Plastic $\phi 4.0 \times 8$	1 pc	1 pc	1 pc
63200070	Tapping Screw TS 3 $\times$ 10	2 pcs	2 pcs	2 pcs
04960002	ATF45-RS Recoiling Pulley	8	9	10
60680128	Lift Cord $\phi 1.2$	5 m (197") $\times$ 8 pcs	5 m (197") $\times$ 9 pcs	5 m (197") $\times$ 10 pcs
03780007/03780001	Freel Head Rail	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc
30020847	Hook and Loop Fastener (Hook Side) Slide-in Type	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc	W–4 mm (.16") $\times$ 1 pc
03780003	Freel Head Cap	2 pcs	2 pcs	2 pcs
03780004	Freel Bracket	$((W - 200 \text{ mm}) / 600 \text{ mm})$ pcs, $((W - 7.9") / 24")$ pcs		
04960003	ATF45-RS Intermediate Bracket	–W 2,500 mm (98"): none, W 2,510–4,000 mm (99–158"): 1 pc		
01710023	RS Weight Bar Cap 25	2 pcs	2 pcs	2 pcs
01320267/01710022	RS Weight Bar 25	W–50 mm (2.0") $\times$ 1 pc	W–50 mm (2.0") $\times$ 1 pc	W–50 mm (2.0") $\times$ 1 pc

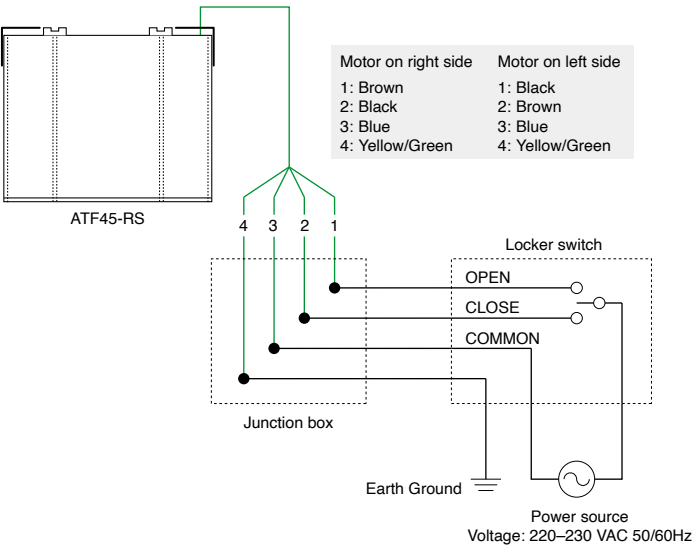
Basic Wiring and Connecting Diagram

Single Operation (ATF45-04Q)

Basic Wiring Diagram

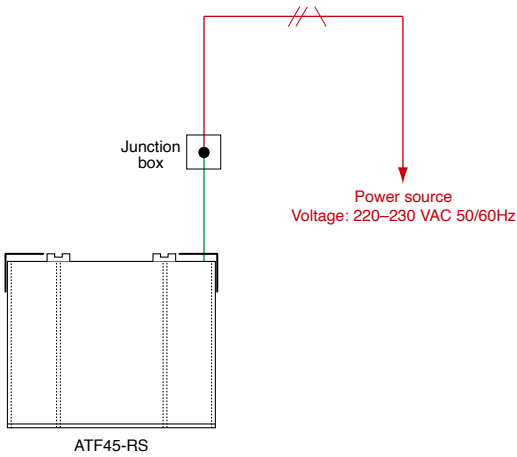


Basic Connecting Diagram

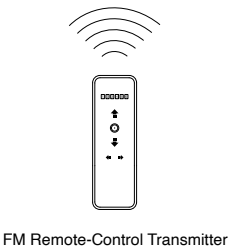
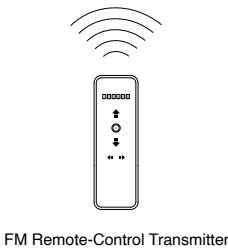
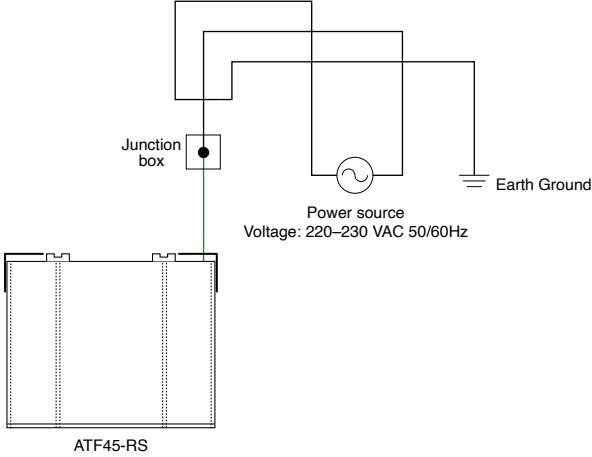


FM Remote-Control Built-in Receiver (ATF45-04QRF)

Basic Wiring Diagram

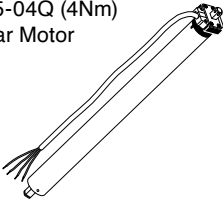
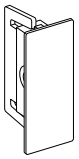
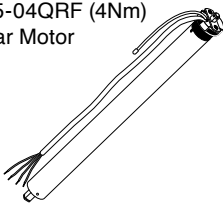
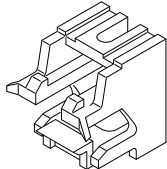
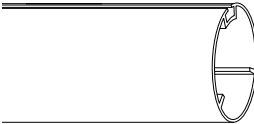
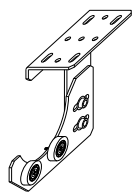
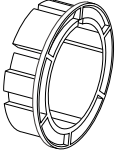
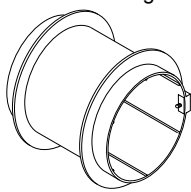
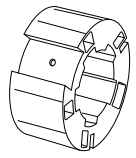
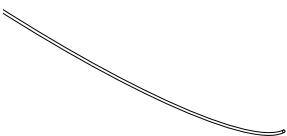
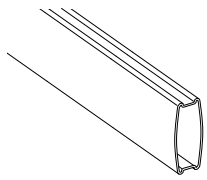
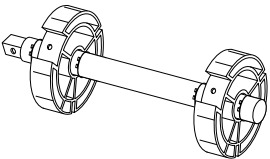
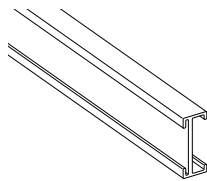
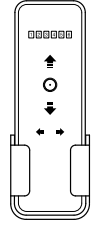
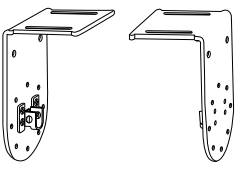
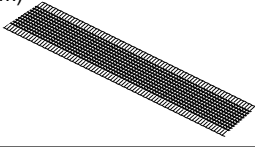


Basic Connecting Diagram



Explanatory notes: — Power supply, — Main body attachment or TOSO standard

ATF45-RS Parts

Product Name	Product Code	Product Name	Product Code	Product Name	Product Code
ATF45-04Q (4Nm) Tubular Motor 	30019786	Split Pin 	63570003	Freel Head Cap 	03780003
ATF45-04QRF (4Nm) Tubular Motor 	30019787	Tapping Screw for Plastic φ4.0 × 8 	60700228	Freel Bracket 	03780004
ATF45 Roller Pipe φ60 4,000 mm 	61940007	Tapping Screw TS 3 × 10 	63200070	ATF45-RS Intermediate Bracket 	04960003
ATF45-S Limit Crown 	65230020	ATF45-RS Recoiling Pulley 	04960002	RS Weight Bar Cap 25 	01710023
ATF45-03 Drive (Adapter) 	30017839	Lift Cord φ1.2 	60680128	RS Weight Bar 25 	3,000 mm 01320267 4,000 mm 01710022
ATF45-N Pipe End N 	80021067	Freel Head Rail 	4,000 mm 03780001	FM Remote-Control Transmitter (6 channels) 	30006891
ATF45 Side Bracket 	04870003	Hook and Loop Fastener (Hook Side) Slide-in Type (50 m) 	30020847		

