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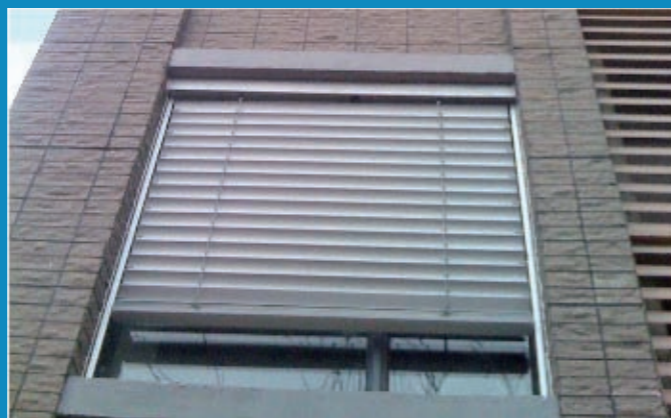


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KIN LONG

INTELLIGENT SUNSHADE PRODUCT CATALOGUE



**Wholly-owned subsidiary of GUANGDONG KIN LONG HARDWARE PRODUCTS CO., LTD
GUANGDONG GIVEN MECHANICAL & ELECTRICAL EQUIPMENT CO., LTD.**

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COMPANY PROFILE

GUANGDONG GIVEN MECHANICAL& ELETRICAL EQUIPMENT CO., LTD is a Wholly-owned subsidiary of GUANGDONG KIN LONG HARDWARE PRODUCTSCO.,LTD,It is a large-scale manufacturer specializing in the production and supply of products such as electronic LED lighting motors, intelligent products, construction supporting tools, etc.

The company has a number of high-quality management personnel, mechanical and electrical professionals and related product design and development personnel. The company insists on taking the road of independent innovation, based on meeting customer needs and centered on ensuring product quality. With its unique design, fast production cycle and good cost performance, the company has won the trust and praise of the majority of customers.

The company adopts a modern management mode that combines institutionalization, standardization and informatization. The whole process of product production from material purchase to finished product delivery is carried out under strict quality control, so that the product quality is fully guaranteed.

The parent company KINLONG adopts the direct makting mode,focusing on se lf-built channels to achieve marketing channel coverage and has set up more than 500 sales service agencies.

GIVEN subsidiary rely on the parent company's perfect marketing network to respond quickly to customer needs in close quarters, which plays a key role in developing the market, serving customers and solving the complexity of engineering projects.

The company will continue to learn advanced technology and management experience, continue to improve, meet the changing and growing needs of customers, establish a good brand image, and become a reliable partner for users.

The parent company KINLONG adopts the direct makting mode,focusing on se lf-built channels to achieve marketing channel coverage and has set up more than 500 sales service agencies.



坚朗厂区总体规划鸟瞰图

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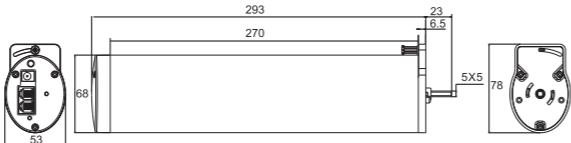


Solution of Indoor Shading
Electric System Solution



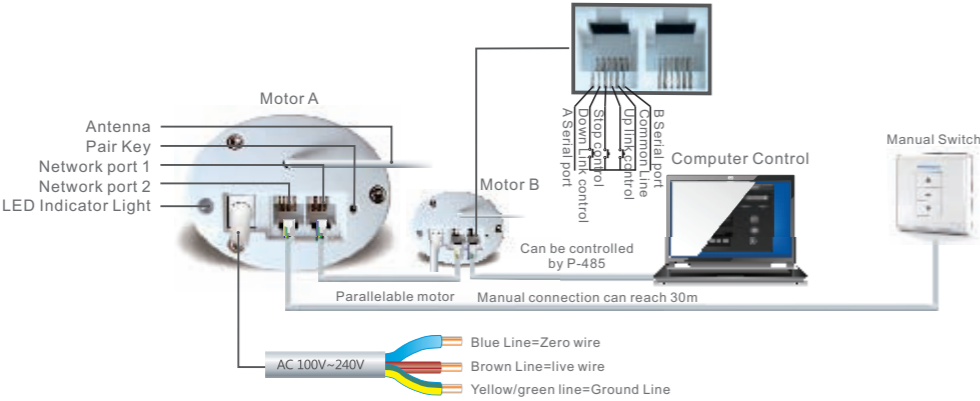
JW CK-D-68 SERIES SUPER SILENT CURTAIN OPENING AND CLOSING MOTOR

JWCK-D-68 Series The silent curtain opening and closing motor is derived from the perfect combination of German technology and Chinese traditional culture. It has beautiful appearance, wide voltage power supply, multiple leveling units, stopping when blocked, starting by hand, automatic setting of memory stroke in the middle position, ultra-silence, etc.

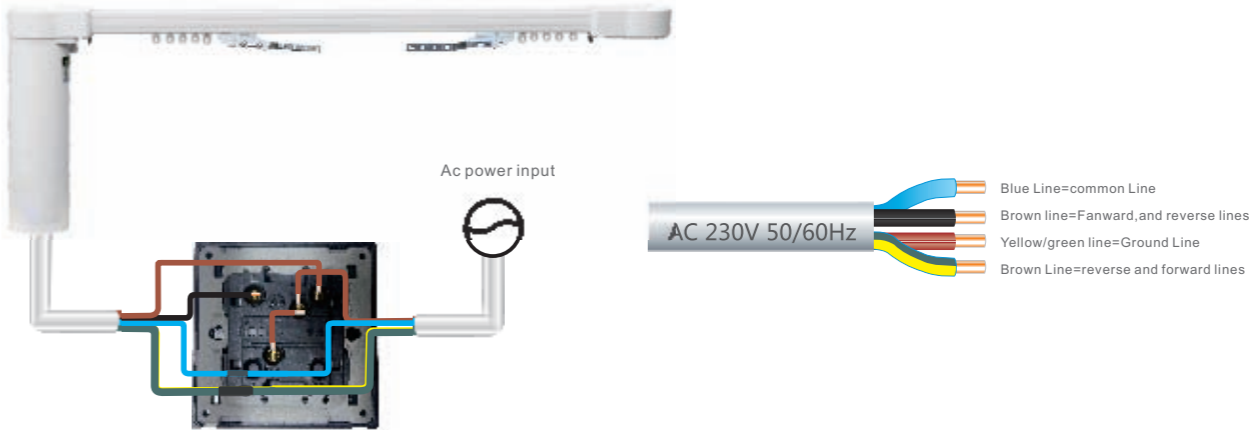


Product size chart

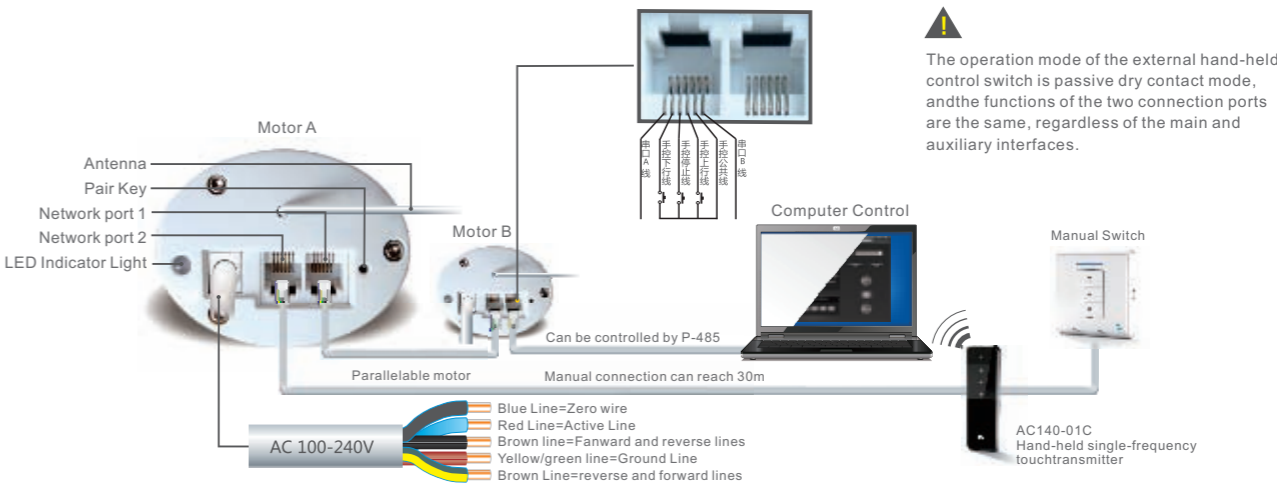
JWCK-D-68 Series wiring Instruction



⚠ The operation mode of the external hand-held control switch is passive dry contact mode, and the functions of the two connection ports are the same, regardless of the main and auxiliary interfaces.



JWCK-D-68 Series wiring Instruction



JWCK-D-68 Series wiring Instruction

Parameter

Product Name	Product Model	Rated torque	Opening and closing speed	The outer dimensions of motor	Rated voltage	Rated power	Protection level	Brief description of functions
Three-wire input mute curtain opening and closing motor	JWCK-D-68A	1N.m	12cm/s	316x68x53mm (L) (W) (H)	AC100-240V 50/60HZ	65W	IP20	<input checked="" type="checkbox"/> Speed adjustable function
Four-wire input mute curtain opening and closing motor	JWCK-D-68B							<input checked="" type="checkbox"/> Blocking stop function
Five-wire input mute curtain opening and closing motor	JWCK-D-68C							<input checked="" type="checkbox"/> Multiple control modes
								<input checked="" type="checkbox"/> Manual start-up function
								<input checked="" type="checkbox"/> High voltage central control
								<input checked="" type="checkbox"/> Middle point limiting function
								<input checked="" type="checkbox"/> Multiple on-line functions
								<input checked="" type="checkbox"/> Power failure hand pull function
								<input checked="" type="checkbox"/> Automatically set memory stroke
								<input checked="" type="checkbox"/> Flexible ultra-quiet design
								<input checked="" type="checkbox"/> Cloth rebound stroke correction function



JWCK-D-95
SEIRIES ULTRA QUIET CURTAIN OPENNING AND CLOSING MOTORS

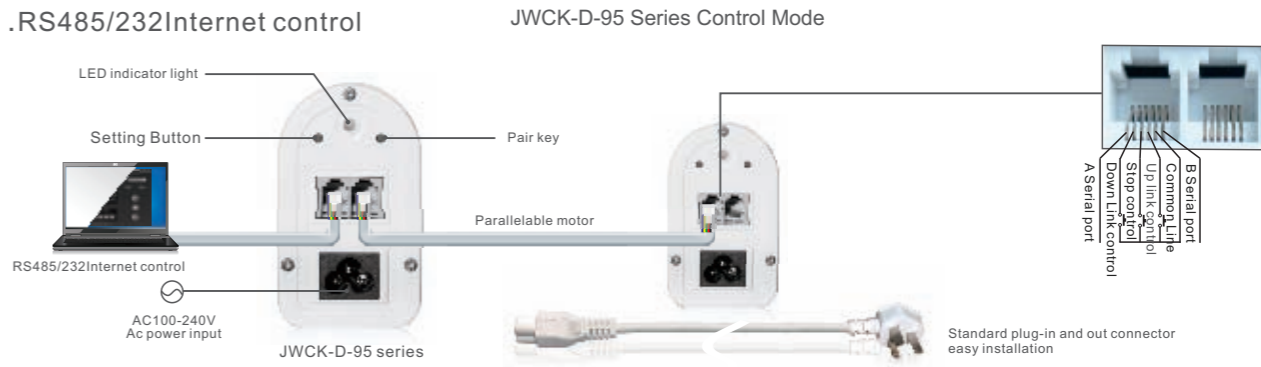
The flexible mute curtain motor originates from German Mercedes-Benz motor and designers in the technical field of shock absorption. The Second to none quiet effect can bring you more quiet enjoyment when running. The mould making and manufacturing techniques of the main spare parts are all based on Japanese Toyota Nuclear Technology, which takes three years and is designed and manufactured statically. Our prodcut have been applied for many invention and utility model patents all over the world

FUNCTIONAL CHARACTERISTICS

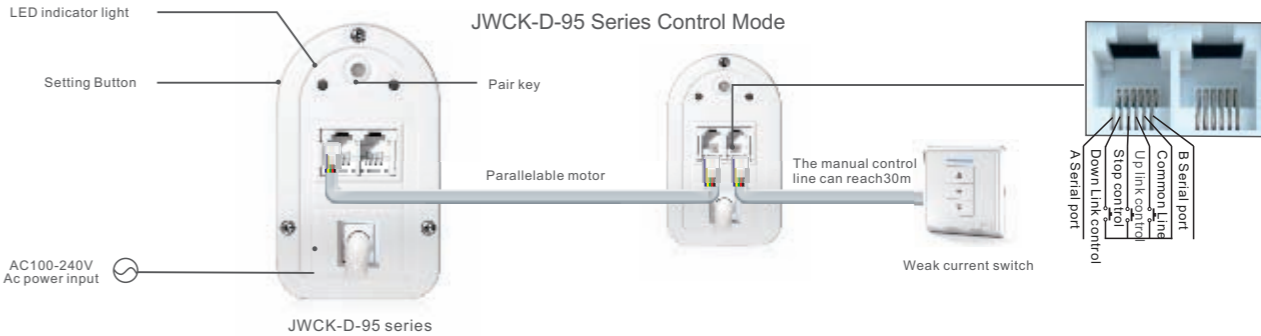
- According to the environment, the motor can be mounted or dismantled.
- The track surface adopts special electrophoresis technique to ensure the synchronization of the shape band The track is very slippery.
- The transmission boxes at both ends of the track adopt a double rolling bearing structure to ensure transmission.Smooth and serene effect
- The three silent special technology inside the motor, When running, the noise can be reduced by 30 D B
- The track top loading design adopts hidden structure and hardwares are made of stainless steel.304, ensure never rust

Control Mode

1.RS485/232Internet control



2.Weak current switch control

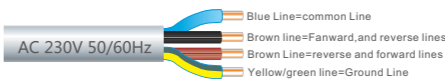


Application One



Weak current control,RS485 Control,Wireless control

Application Two



Strong current control

Application Three

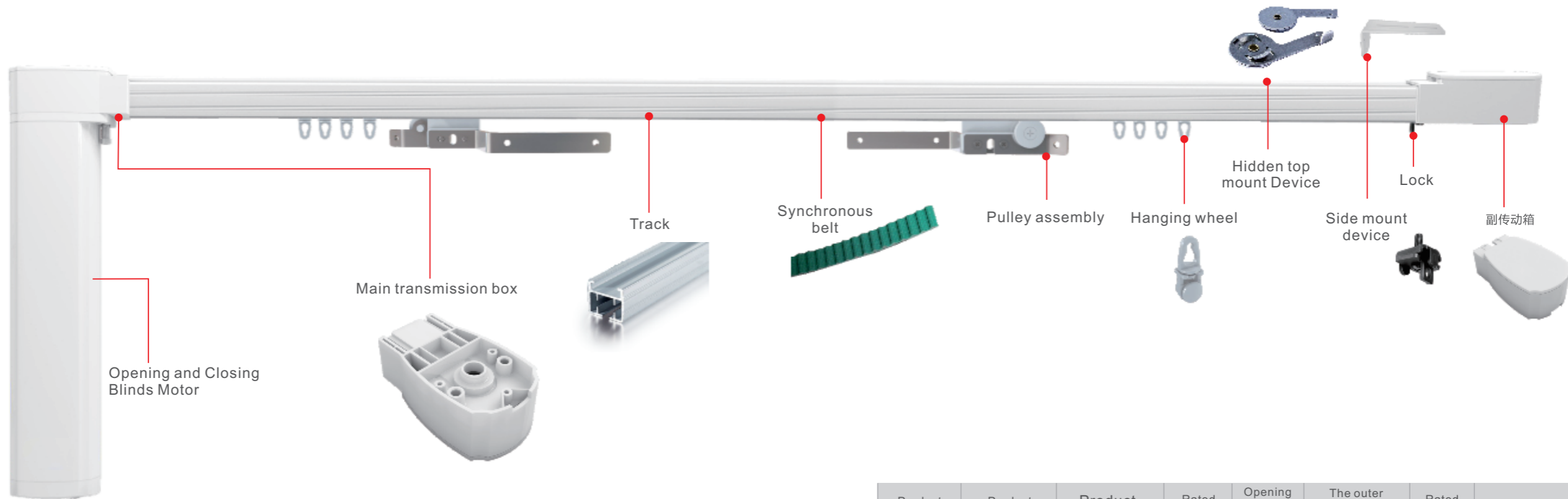


Weak current control,strong current control, RS485Control,Wireless control

⚠ The operation mode of the external hand-held control switch is passive dry contact mode, andthe functions of the two connection ports are the same, regardless of the main and auxiliary interfaces.

Parameter

Product Name	Product Model	Rated torque	Opening andclosing speed	The outer dimensions of motor (L) (W) (H)	Rated voltage	Rated power	Protection level	Brief description of functions
Super mute open and close curtain motor	JWCK-D-95 Series	1N.m	16cm/s	215.5×95×56mm (L) (W) (H)	AC100-240V 50/60Hz	96W	IP20	<div><input checked="" type="checkbox"/> Speed adjustable function</div> <div><input checked="" type="checkbox"/> Blocking stop function</div> <div><input checked="" type="checkbox"/> Multiple control modes</div> <div><input checked="" type="checkbox"/> Manual start-up function</div> <div><input checked="" type="checkbox"/> Wide voltage function</div> <div><input checked="" type="checkbox"/> High voltage central control</div> <div><input checked="" type="checkbox"/> Multiple on-line functions</div> <div><input checked="" type="checkbox"/> Power failure hand pull function</div> <div><input checked="" type="checkbox"/> Automatically set memory stroke</div> <div><input checked="" type="checkbox"/> Flexible ultra-quiet design</div> <div><input checked="" type="checkbox"/> Cloth rebound stroke correction function</div>



FUNCTION CHARACTERISTICS



Flexible, super silent design

Super-silent design, the motor adopts three-tone patented technology, which can reduce the noise by 30 db during operation. Leading intelligent design, soft start/soft stop function like Advanced elevator, makes the curtain moving lighter and quieter.



Power failure memory function

The industry Original created the "flash memory" function, the motor will flash the current operation information at the moment of power failure, preventing the curtain track from being disturbed during power failure, preventing the curtain system from colliding left and right again during the next power supply, and prolonging the service life of the track system by 40%.



Pull start function

The mechanical clutch mechanism can realize the power-off pulling function. In the power-off state, it can be opened and closed like a common moving curtain by pulling. In the power-on state, the blinds can be opened or closed by gently pulling the blinds 5cm upward.



Blocking stop function

When the blinds encounters resistance during transportation, it will stop to protect the whole system.



Multiple on-line functions

A plurality of motors are connected in a standard way for on-line control, and each motor can be controlled by an external switch and can be connected with a computer to realize central control.



Automatic setting

Automatic setting of opening and closing points, easy reservation and memory of the best stroke stop position, to protect components from collision and noise or damage, to extend the service life of the system. Trip with memory function after power failure, intelligent design.



Cloth rebound correction function

When the blinds is in an extrusion rebound state, the blinds opening and closing motor is activated. Recall the stop point after the rebound, as a new stop point, make the blinds stop location more ideal and beautiful.



Function of intermediate limit point

In addition to the opening and closing stroke points, but also arbitrary in the stroke to set more than a curtain stop point, personalized lighting, give people more comfortable space.



Speed adjustable function

The rotating speed of the blinds opening and closing motor can be adjusted as required and should be complete to satisfy more demand.



Various control model

According to the needs, you can select wire remote control, wire switch, RS232/485 communication.

Product Series	Product Name	Product Model	Rated Torque	Opening and closing speed	The outer dimensions of motor (L) (W) (H)	Rated Power	Function description
JW68 Opening and Closing blinds Series	Three-line input silent opening and closing curtain motor	JWCK-D-68A	1N.m	12cm/s	316×68×53mm (L) (W) (H)	65W	<input checked="" type="checkbox"/> Multiple control methods <input checked="" type="checkbox"/> Stop function when blocked <input checked="" type="checkbox"/> Speed adjustable function <input checked="" type="checkbox"/> Manual pull start function <input checked="" type="checkbox"/> Strong power central <input checked="" type="checkbox"/> Control <input checked="" type="checkbox"/> Intermediate point limit function <input checked="" type="checkbox"/> Automatic memory setting <input checked="" type="checkbox"/> Power failure pull function <input checked="" type="checkbox"/> Multiple online functions <input checked="" type="checkbox"/> Flexible, ultra-quiet design <input checked="" type="checkbox"/> Fabric rebound stroke correction function
	Four-line input silent opening and closing blinds motor	JWCK-D-68B	1N.m	12cm/s	316×68×53mm (L) (W) (H)	65W	
	Five-line input silent opening and closing blinds motor	JWCK-D-68C	1N.m	12cm/s	316×68×53mm (L) (W) (H)	65W	
JW95 Opening and Closing Curtains Series	Three-wire input ultra-quiet opening and closing blinds motor	JWCK-D-95A	1N.m	16cm/s	215.5×95×56mm (L) (W) (H)	96W	<input checked="" type="checkbox"/> Multiple control methods <input checked="" type="checkbox"/> Stop function when blocked <input checked="" type="checkbox"/> Speed adjustable function <input checked="" type="checkbox"/> Manual pull start function <input checked="" type="checkbox"/> Strong power central <input checked="" type="checkbox"/> Control <input checked="" type="checkbox"/> Intermediate point limit function <input checked="" type="checkbox"/> Automatic memory setting <input checked="" type="checkbox"/> Power failure pull function <input checked="" type="checkbox"/> Multiple online functions <input checked="" type="checkbox"/> Flexible, ultra-quiet design <input checked="" type="checkbox"/> Fabric rebound stroke correction function
	Four-wire input ultra-quiet opening and closing blinds motor	JWCK-D-95B	1N.m	16cm/s	215.5×95×56mm (L) (W) (H)	96W	
	Five-wire input ultra-quiet opening and closing blinds motor	JWCK-D-95C	1N.m	16cm/s	215.5×95×56mm (L) (W) (H)	96W	

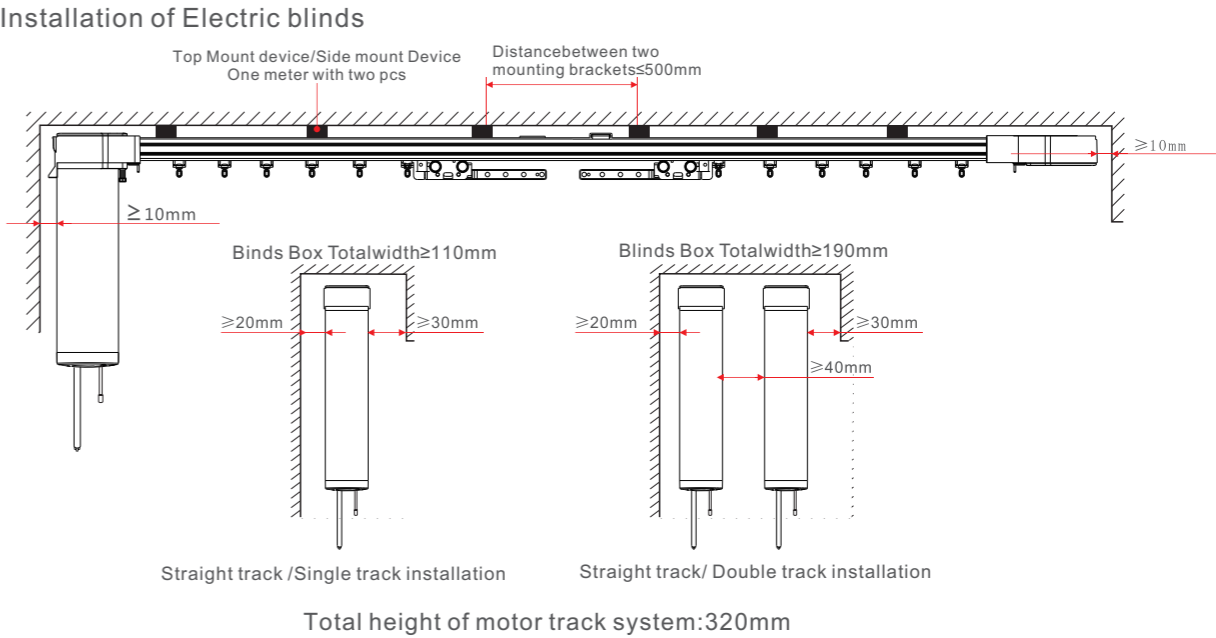
BEARING PARAMETERS

Single motor load parameter table	1N.m			2N.m		
	4m	8m	12m	4m	8m	12m
Curtain cloth weight Track, Opening and Closing						
Single motor double opening and closing	60kg	55kg	50kg	90kg	82.5kg	75kg
Single motor single opening and closing	50kg	45kg	40kg	75kg	67.5kg	60kg
Single motor double opening and closing R500	45kg	40kg	35kg	67.5kg	60kg	52.5kg
Single motor single opening and closing R500	40kg	35kg	30kg	60kg	52.5kg	45kg
Single motor double opening and closing R500	35kg	30kg	25kg	52.5kg	45kg	37.5kg
Single motor single opening and closing R500	30kg	25kg	20kg	45kg	37.5kg	30kg
Single motor double opening and closing R3000	31kg	21kg		46.5kg	31.5kg	
Single motor single opening and closing R3000	21kg	16kg		31.5kg	24kg	

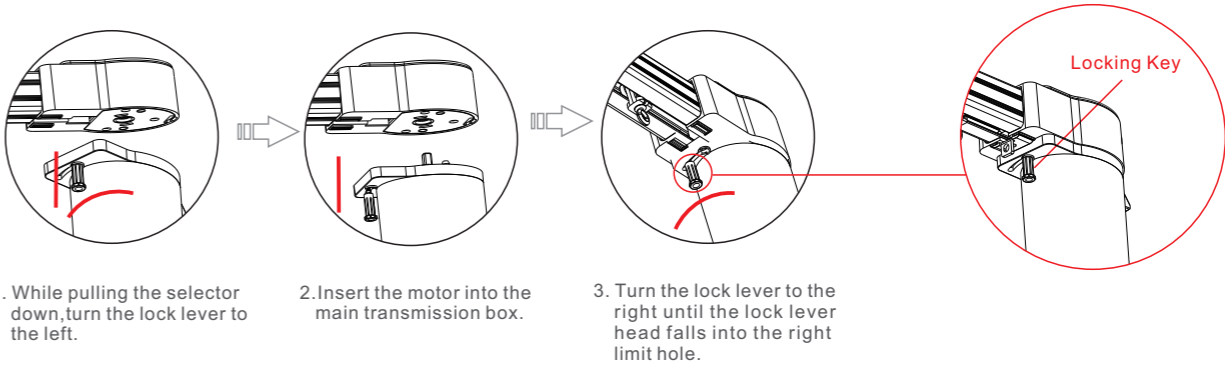
Double motor load parameter table	1N.m	2N.m
	12m	12m
Double motor double opening and closing	90kg	135kg
Double motor single opening and closing	70kg	105kg
Double motor double opening and closing R300	60kg	90kg
Double motor single opening and closing R300	50kg	75kg
Double motor double opening and closing R300	40kg	60kg
Double motor single opening and closing R300	30kg	45kg
Double motor double opening and closing R3000	30kg	34.5kg
Double motor single opening and closing R3000	23kg	23kg

The Weight of curtain cloth=Weight of fabric per unit area(kg/m2)*Fabric coverage area*Crease rate
Note:The maximum bearing weight of the motor in the parameter table does not take into account the friction rate between the fabric and the track or other factors.

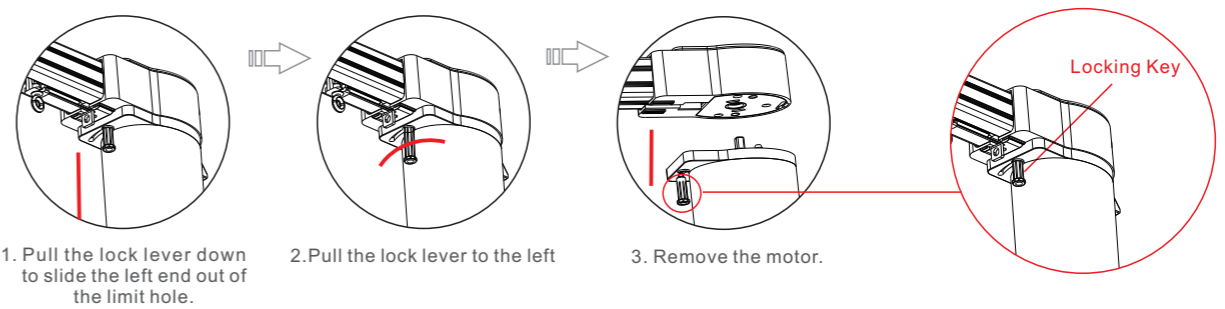
INSTALLATION OF JW68 BLINDS OPENING AND CLOSING MOTOR SYSTEM



Installation of motor

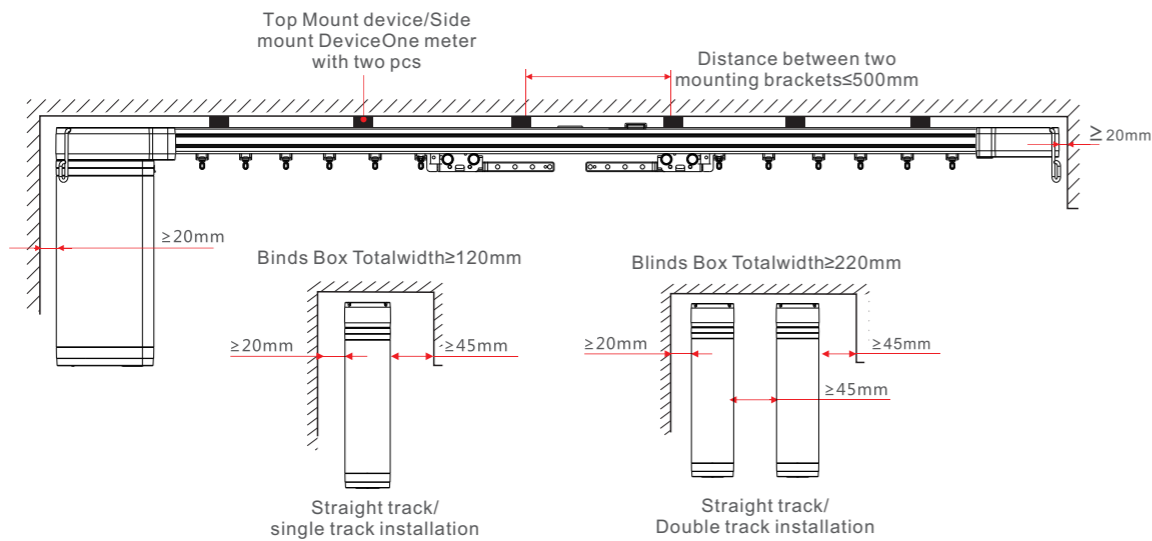


Motor disassembly



INSTALLATION OF JW95 CURTAIN
OPENING AND CLOSING MOTOR SYSTEM

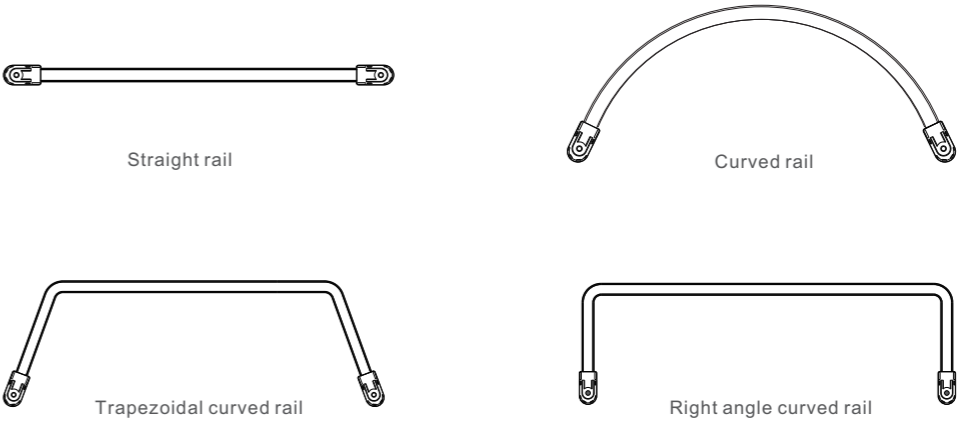
Installation of Electric curtain



The total height of the track system: 230mm

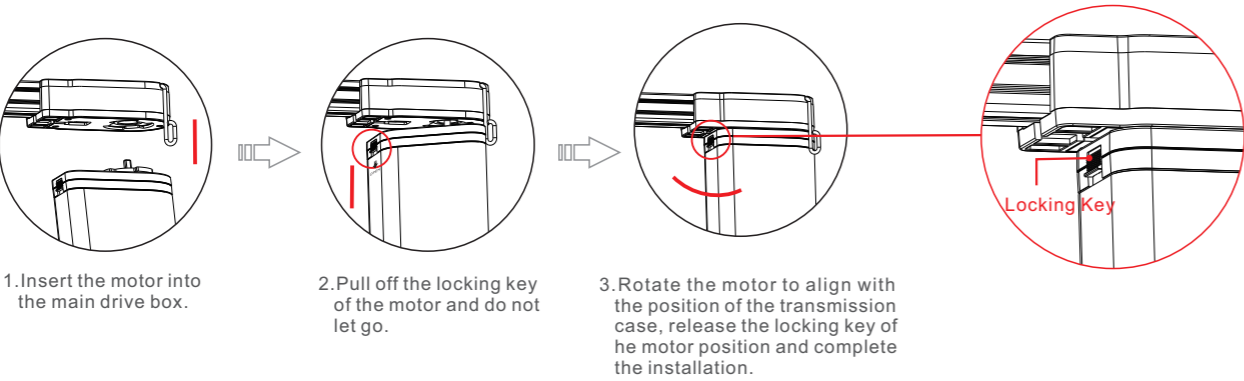
DESCRIPTION OF TRACK AND
PRODUCT ACCESSORIES

Rail type

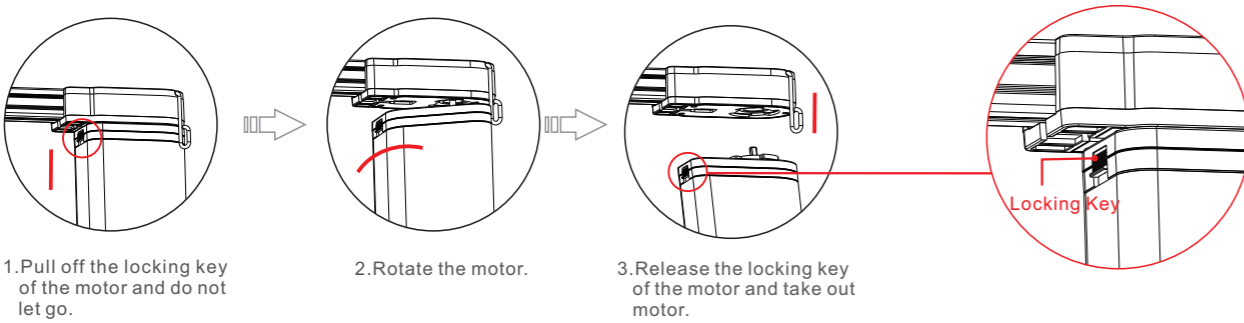


According to customer's requirements, various curved rails can be customized to meet customer's various requirements.

Installation of motor



Motor disassembly



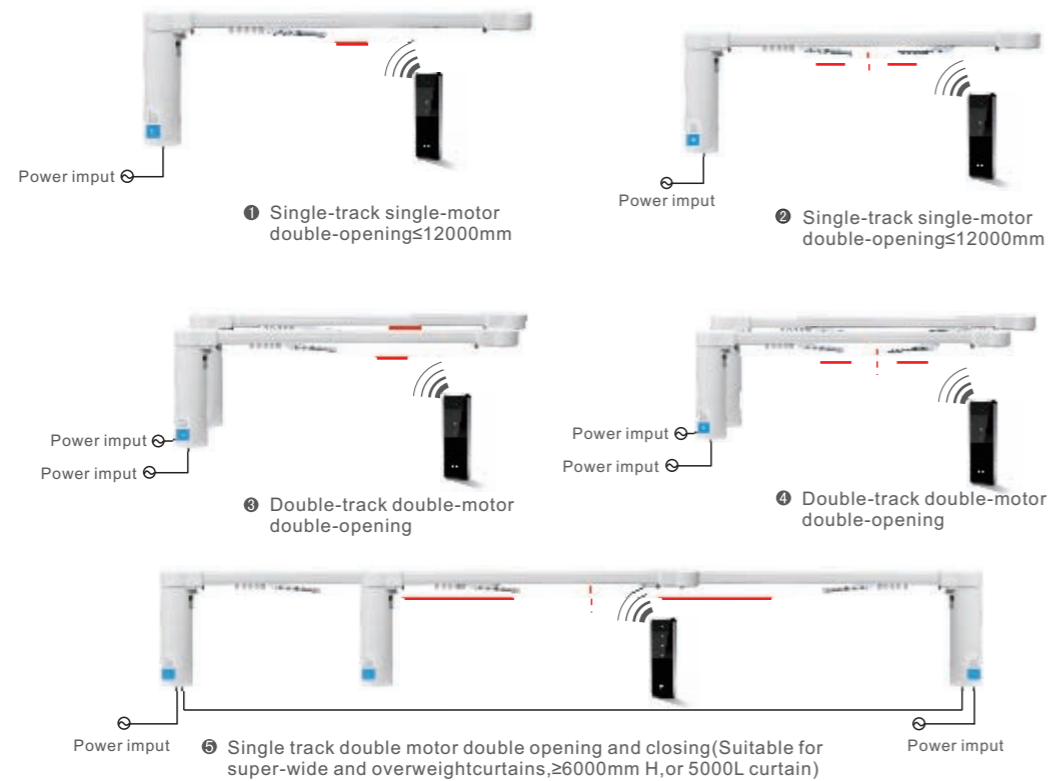
Accessories description

Product Name	Rail	Synchronous belt	Pulley	Rail bracket device	Connect Device	Lock
Product Picture						
Product Description	1. Precision molded aluminum 2. Surface electrophoresis treatment, oxidation resistance 3. Anti-friction design on inner side of track 4. According to customer's requirements, various curved rails can be customized to meet various requirements.	1. Green steel wire with strong anti-aging performance 2. The system has passed 15000 use tests without deformation, with a life of 20 years (calculated at 2 times per day)	1. Cooperated with synchronous belt, the running structure has mute design. 2. Imported special materials are selected, which will not deform or fade. 3. Hardware is electroplated	Hardware is designed with special screw structure made of stainless steel, which is difficult for non-professional personnel to disassemble.	1. It plays a connecting and fixing role at the rail junction to meet the requirements of large curtain long rails and make transportation more convenient and flexible 2. Stainless steel 304 is adopted, which has high compressive strength and can effectively prevent rusting.	1. Stainless steel 304 is adopted, which has high compressive strength and can effectively prevent rusting. 2. Humanized structural design makes installation more convenient.
Quantity Allocation	Jw68 rail length = total system length - 150mm	JW68S synchronous belt = The guide rail length * 2 + 240mm	One set for single opening, two sets for double opening	Use when two guide rails need to be spliced	Use when two guide rails need to be spliced	One set of finished rails with 2 pcs

Product Name	Hidden top mounting device	One-sided device	Two-sided code	Transmission case	Starting hook	Suspending Wheel
Product Picture						
Product Description	1. The role of fixing the track position at the top 2. Stainless steel 304 is adopted, which has high compressive strength and can effectively prevent rusting.	1. Surface electrophoretic treatment, oxidation resistance 2. Suitable for double track installation, adjustable	1. Surface electrophoretic treatment, oxidation resistance 2. Suitable for double track installation, adjustable	1. Cooperate with synchronous belt 2. Use imported materials, do not fade 3. Hardware fittings use stainless steel materials	Using PC material Made of stainless steel, high strength and long service life	1. The roller is made of wear-resistant plastic, which makes the action more quiet. 2. Imported materials are selected, which will not deform or fade
Quantity Allocation	One meter trail with two pcs	One meter trail with 2 pcs (Install one at 20cm from the two sections.)	One meter trail with 2 pcs (Install one at 20cm from the two sections.)	One set finished rails with one pair	One set of finished rails with two pcs	One meter track with 8 pcs

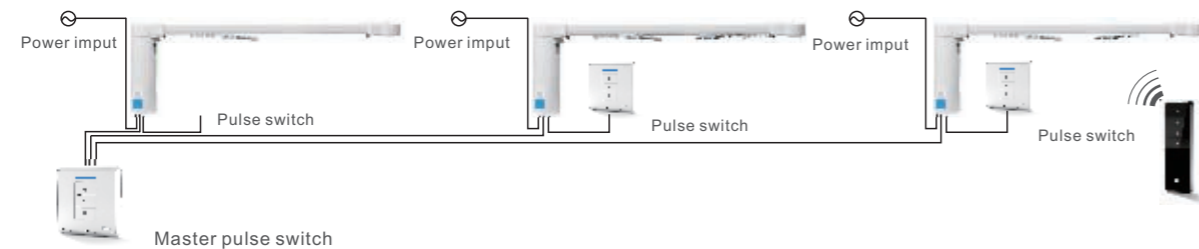
CONTROL MODE OF CURTAIN OPENING AND CLOSING MOTOR

Single/Double Open and close Combination

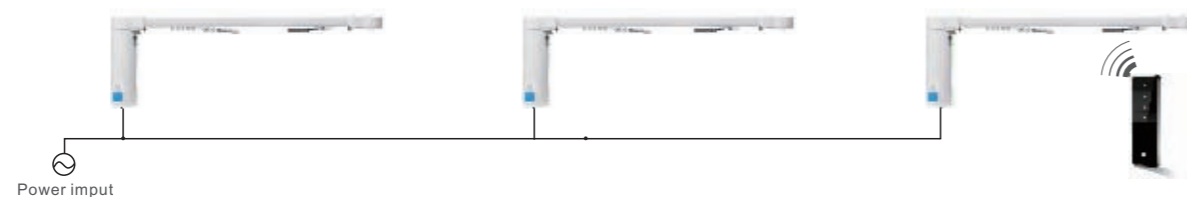


Control Mode

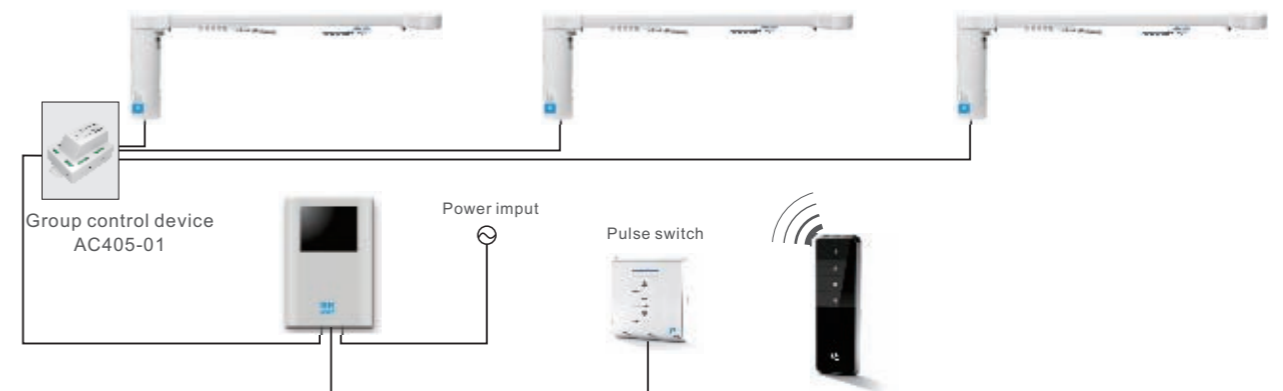
Wireless Control, Single Control and Group Scheme



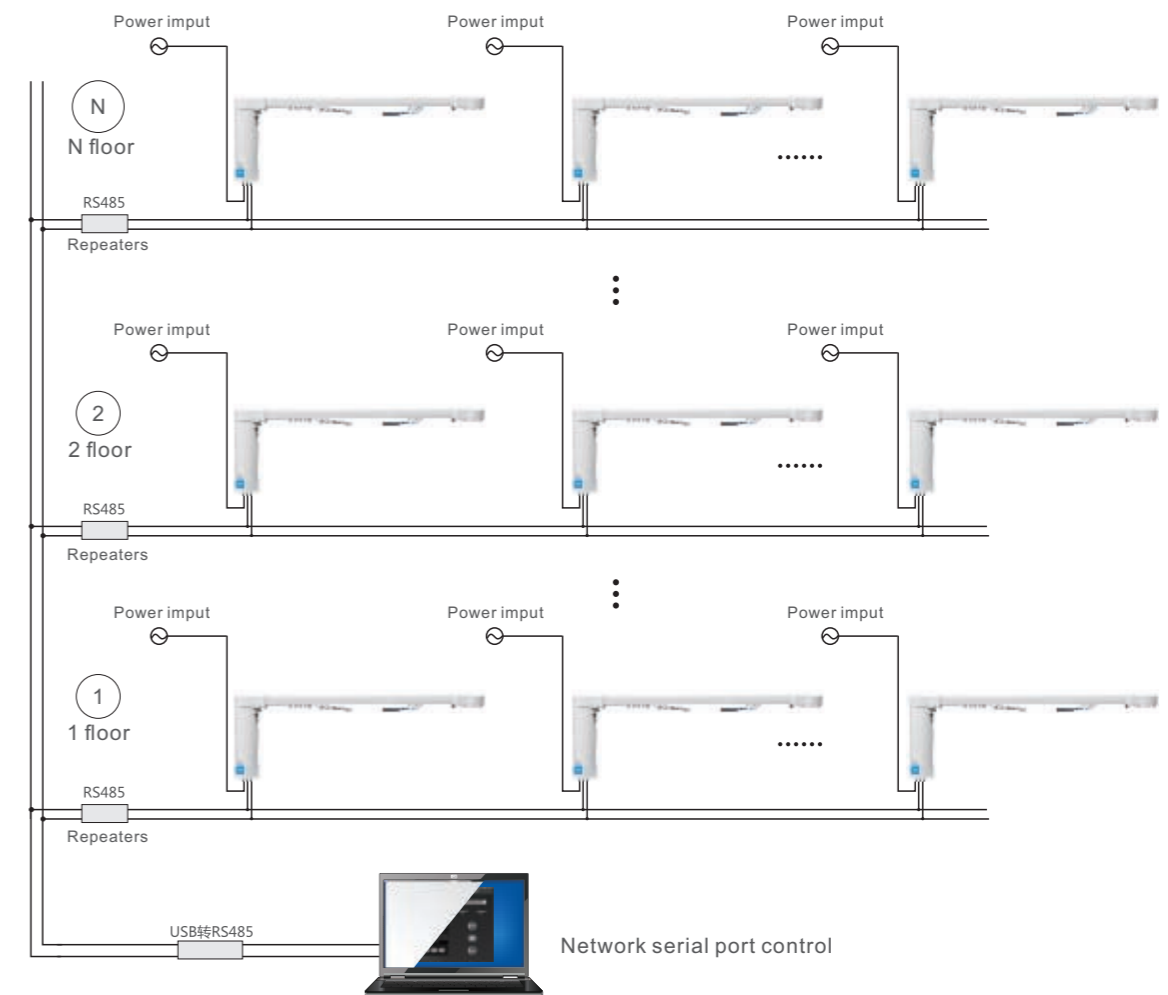
Wireless Control and Group Scheme



Group Control Scheme for High Voltage Central Control Motors-Application of Forward and Reverse Dual AC Motors

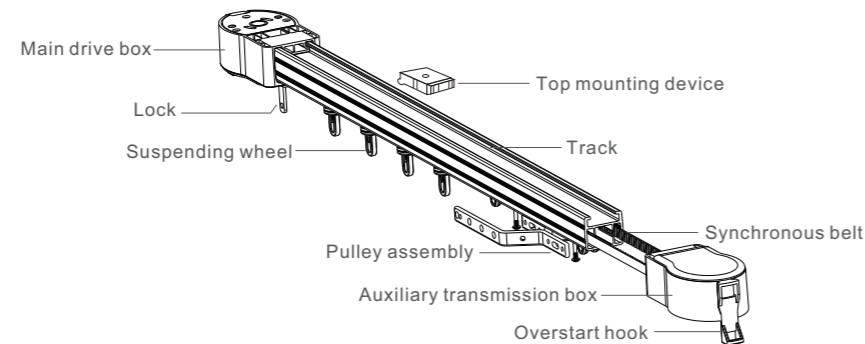


Network Serial Port Control-Building Control Scheme for Opening and Closing Curtains



ASSEMBLING METHOD OF FINISHED RAIL SYSTEM FOR OPENING AND CLOSING CURTAINS

Decomposing Description of Finished Rail System



Assembly mode

Step one: Cutting track and Synchronous belt

Jw68 Formula for Calculating Length of Finished Rail

Track length = total length of finished track -150mm
Synchronous belt length = track length *2+240mm

For example If you need a finished rail two meters long
The length of the track to be trimmed is $2000 - 140 = 1860\text{mm}$
The length of synchronous belt is: $1850 * 2 + 240 = 3940\text{mm}$

Jw95 Formula for Calculating Length of Finished Rail

Track length = total length of finished track -160mm
Synchronous belt length = track length *2+290mm

For example If you need a finished rail two meters long
The length of the track to be trimmed is $2000 - 200 = 1800\text{mm}$
The length of synchronous belt is: $1840 * 2 + 290 = 3970\text{mm}$

Matters needing attention



Cutting the track Note:
Please use professional cutting tools



Track section Note:
When cutting the track, the cross sections at both ends should be vertical, keeping smooth and free of burrs. So as to facilitate subsequent transportation, and at the same time, connecting the connecting strips conveniently.



Synchronous belt Note:
Please use a professional clipper tool.



Synchronous belt after cutting Note:
The section shall be kept flat and free of burrs.

Step 2: Insert the synchronous belt into the guide rail and the first transmission box



Step 3 The guide rail is closely attached to the transmission case, but it should not be inserted. After the exposed tooth spacing is kept, cut off the excess belt tooth spacing, JW68 The finished rails are 7 on one side and 8 on the other. JW95 There are 9 finished rails on one side and 8 on the other.



Jw68 Finished Rail



JW95 Finished Rail

Note: Install the left main transmission case first.

Note: The left main transmission must be installed first.

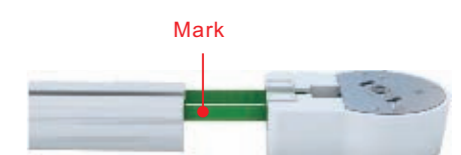
Step 4: Mark (if the curtain is single open, the fourth and fifth steps are not required)



Jw68 finished rail

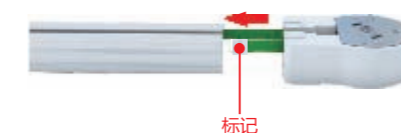


Jw95 finished rail



pitches are exposed (one pitch is about 5mm long)

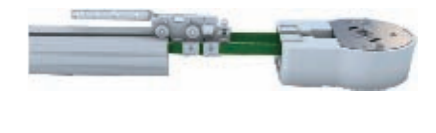
Step 5 Install two belt buckles and pulleys



1. Pull the belt out a little, as shown in the figure, and install the belt buckle at a distance from the marked position.



2. Install another belt buckle close to one side of the transmission case, as shown in the above figure



3. Install the pulley as shown in above

Step 6. Install another pulley



1. Put the drive belt through the transmission case.



2. Installing belt buckle



3. Install the pulley auxiliary buckle



4. Install the sliding main auxiliary buckle



5. After the installation is successful, the joint of the double-opening pulleys is located in the middle of the finished rail.

Step 7. Install the Suspending wheel and lock



1. Install the suspending wheel (1 meter track with 8 suspending wheel)



2. Installed the lock

Tips:

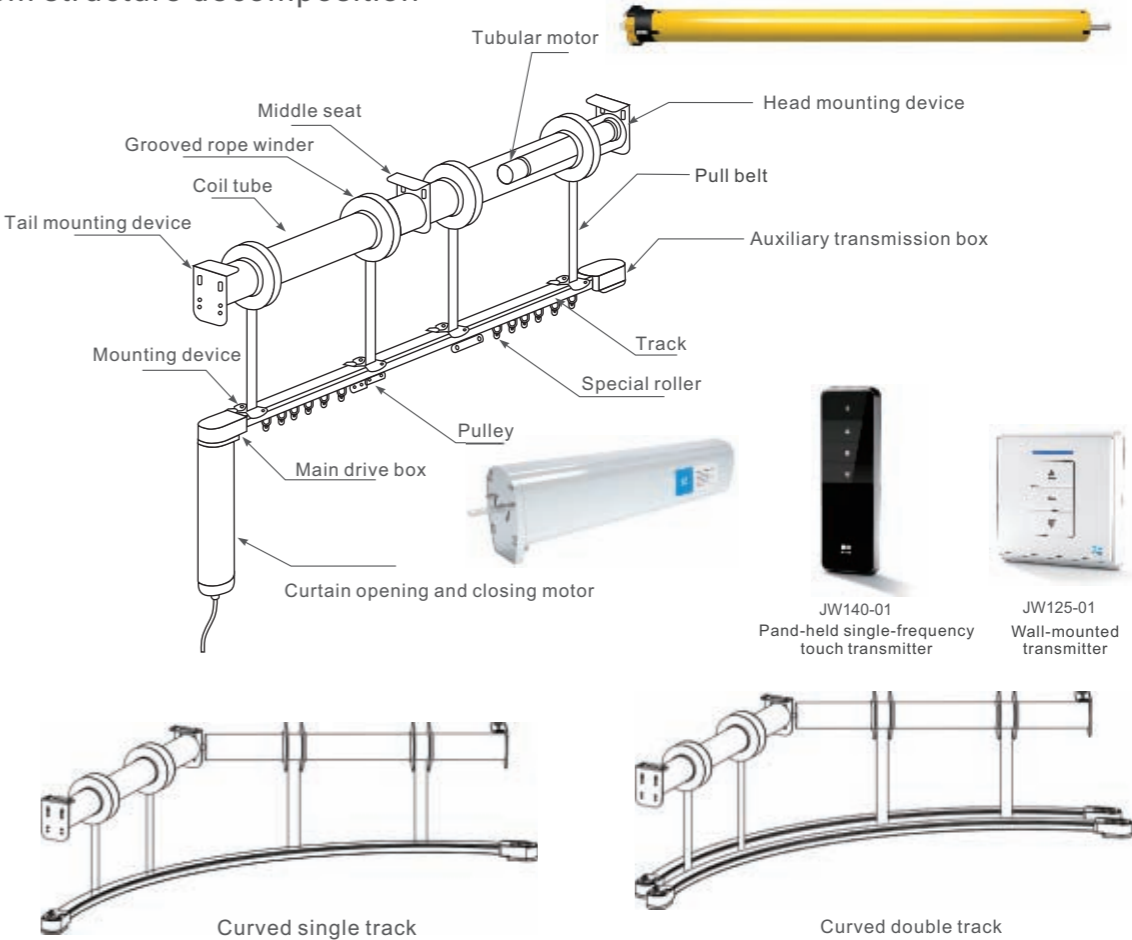
Check the sliding condition of the pulley

1. Pull the pulley by hand to determine whether it is smooth and easy to pull;
2. The synchronization belt is not too tight or too loose

If the sliding condition is not ideal, you can go back to the previous steps to make relevant adjustments and add lubricant appropriately, so that the final pulley operation achieves the desired effect.



System structure decomposition



Motorized Lift Curtain Solution

The electric lifting curtain opening and closing system is suitable for many compound floors, super-high living rooms and other places in modern buildings. The windows are located at high positions, and it is inconvenient to pull and remove and wash the curtains. Using this system, the curtains can be easily operated and removed and replaced, thus eliminating the labor of climbing the heights by overhead.

System characteristics

- 1.Easy disassembly design for easy installation
- 2.Suitable for medium-height curtains, which can be easily replaced and curtain cloth cleaned.
- 3.Ultra-quiet design, can automatically set the memory stroke
- 4.It has the functions of starting by hand, stopping by hand in case of power failure and blocking.
- 5.Multiple motors can be connected in parallel and controlled by external RS485 to realize computer central control.
- 6.Suitable for families, hotel villas and conference rooms with ultra-high fabric curtain

Applicable Motor Matching Table

Curtain opening and closing motor

Product Series	Product Model	Rated Torque	Opening and closing speed	The outer dimensions of motor	Rated Power	Brief description of functions
Flexible mute open and close curtain series	JW 68 built-in mute Opening and closing curtain motor	2N.m	12cm/s	316×68×53mm (L) (W) (H)	65W	Manual start-up function Blocking stop function Speed adjustable function Power failure hand pull function Multiple on-line functions Multiple control modes Flexible, super silent design Cloth rebound stroke correction function Center point limit function Automatically set memory stroke Memory trip of power failure
	JW 68 External mute opening and closing curtain motor	2N.m	12cm/s	316×68×53mm (L) (W) (H)	65W	

Tubular motor

Product Series	Product Model	Rated Torque	Opening and closing speed	The outer dimensions of motor	Protection level	Brief description of functions
JW 45 Standard Tubular motor	JW45 -50/12	50N.m	12rpm	602×52×52mm (L) (W) (H)	IP44	Mechanical limit External reception External hand control



Roller Blinds Solution

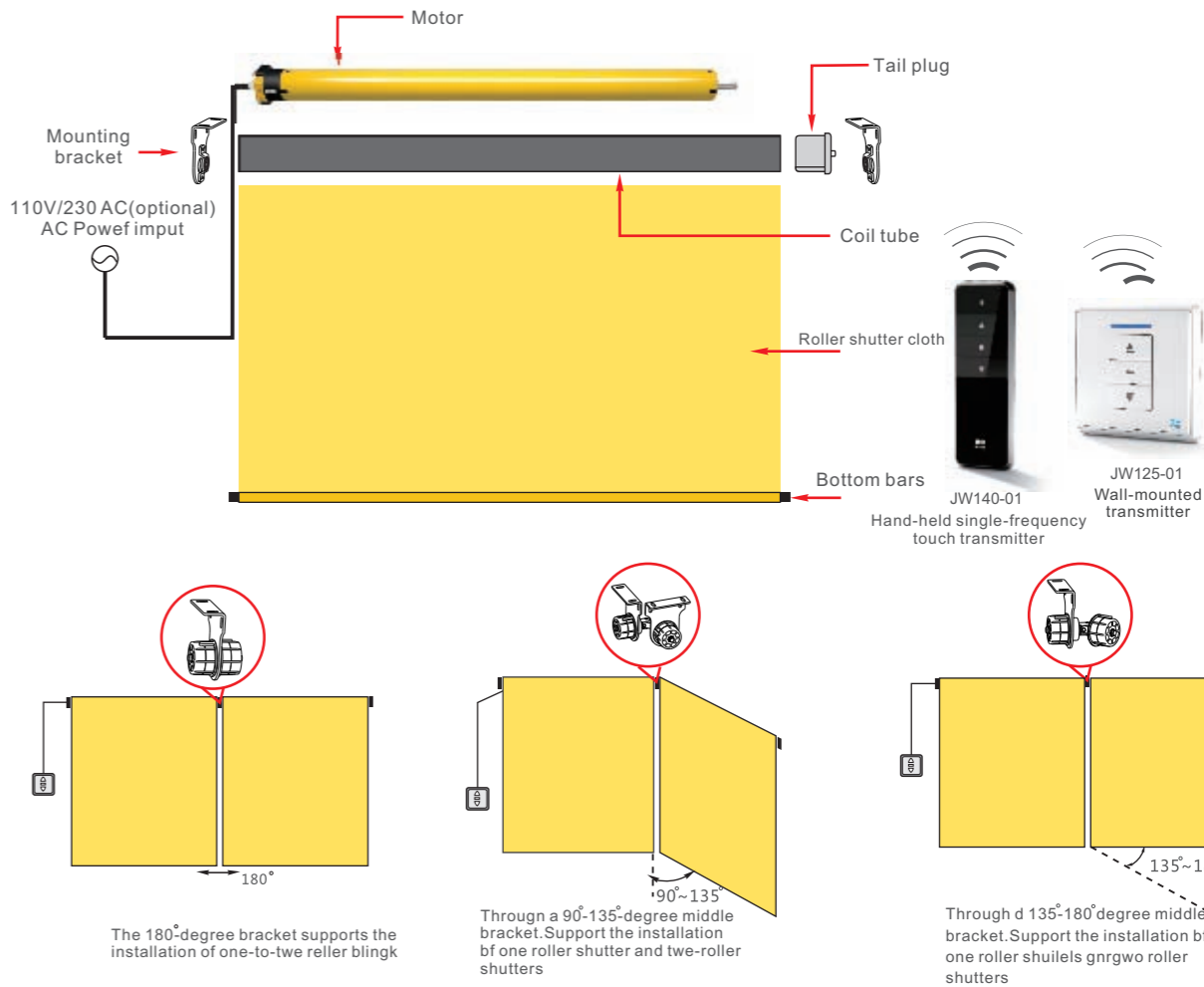
Electric roller blinds is an electric roller shutter mechanism using tubular motor as power. it can control the up and down of roller shutter only by starting the power switch. it is simple and convenient to operate and works quietly and stably. it is an upgraded product of manual roller shutter. the motor is directly installed in aluminum alloy roller tube, which reduces the volume and force transmission link of the curtain box, avoids the influence of the outside on the motor, increases the reliability of the mechanism, and the roller tube is made of high-quality aluminum alloy material with high strength and is not easy to deform. the surface is anodized, anti-aging and corrosion resistant. the mounting bracket is made of high-strength alloy steel with high bending and shearing strength, thus ensuring the safety of installation and use of the mechanism.

The electric roller shutter is installed indoors or between double-layer glasses to avoid adverse effects from the outside and prolong the service life of the system. It can shield sunlight in summer and reduce the air conditioning load. In winter, it can adjust the visual comfort. If wireless remote control or building intelligent control is used, it can realize various intelligent control modes and meet the high-quality requirements of users. The electric roller shutter can adopt a one-to-many mode, a balancer or a universal joint is added in the mechanism, so that a motor drags a plurality of pairs of fabrics at the same time, and when the motor runs, the plurality of fabrics move up and down together to achieve better shading and shading effects, and the advantages in reducing the structural failure rate and reducing the engineering cost are also very prominent; in a modern intelligent building, the control system of the electric roller shutter can also be connected with the control center of the building to conveniently realize long-distance large-scale centralized control.

System characteristics

- 1.AC/DC tubular motor can be used as power
- 2.The motor has low noise, simple and convenient stroke adjustment, accurate and reliable stroke control.
- 3.According to the load weight, lifting height, cost and other factors to choose the type and model of motor
- 4.According to the height of the roller shutter, aluminum tubes with diameters of 55 mm, 63 mm and 70 mm can be selected.
- 5.According to the requirements of overall shading, special shading grooves can be installed on both sides of the roller shutter.
- 6.When the roller shutter is high or in an inclined state, a guide rail or a traction wire rope is used, and the roller shutter can reach up to 20m.
- 7.A motor can drive a plurality of roller shutters by matching the middle support bracket.
- 8.According to the requirements of the environment, we can choose shade and semi shade and other types of roller shutter surface tilt.

System structure decomposition



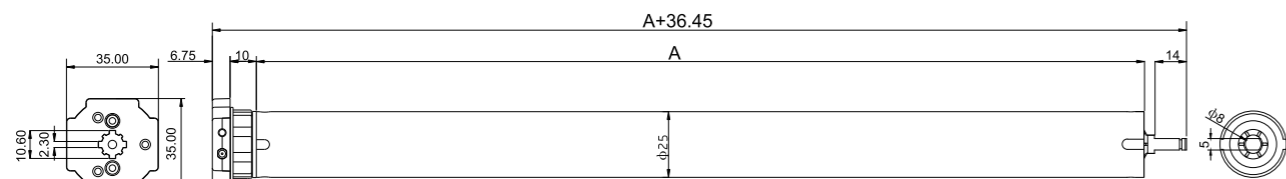
Applicable Motor Matching Table

Product Series	Model	The length of motor	Rated Torque/rotation speed	Protection level	Brief description of functions
JW35 系列	JW 35 Standard Motor	502mm	3/28 6/28 8/19 10/14	IP44	Patented Technology for Low Power Consumption Design
	JW 35 internal built Motor	597mm	3/28 6/28 8/19 10/14		Mechanical limit, maximum limit turns up to 45
	JW 35 Multi-point limit motor	509mm	3/28 6/28 8/19 10/14		Mechanical limit, built-in wireless receiver
	JW 35 Parallel motor	597mm	3/28 6/28 8/19 10/14		Electronic limit, built-in wireless receiver, 6 limit points
JW45 系列	JW 45 internal built Motor	602/702mm	15/17 20/30 30/17 50/12		Mechanical limit, external receiving, multiple units used in parallel(2-50 units)
	JW 45 internet meter	561mm	15/17 20/30 30/17 50/12		Unique patented technology of super silent quiet herringbone teeth, with sound as low as 20db.
	JW45-Parallelmotor	602mm	15/17 20/30 30/17 50/12		Mechanical limit, built-in wireless receiver
	Jw45 Mute motor	718mm	3/28 6/20 6/28 6/30 8/19		Electronic limit, built-in wireless reception, multiple travel points Support controlled By RS485/232
					Mechanical limit, external receiving, multiple units used in parallel(2-50 units)
					Unique patented technology of super silent quiet herringbone teeth, with sound as low as 20db.



JW25 AC Power Electronic Limit Tubular Motor

The JW25 AC electronic output limiting tubular motor is mainly applied to indoor venetian blinds, shutters, honeycomb curtains, built-in switching power supply, built-in electronic limit reception, and is widely used for indoor sunshade venetian blinds of office buildings, conference rooms and family houses, and can be compatible with all GIVEN control systems.



Please refer to the product parameter table for the specific value of outer tube length A. Motor Size

Functional characteristics

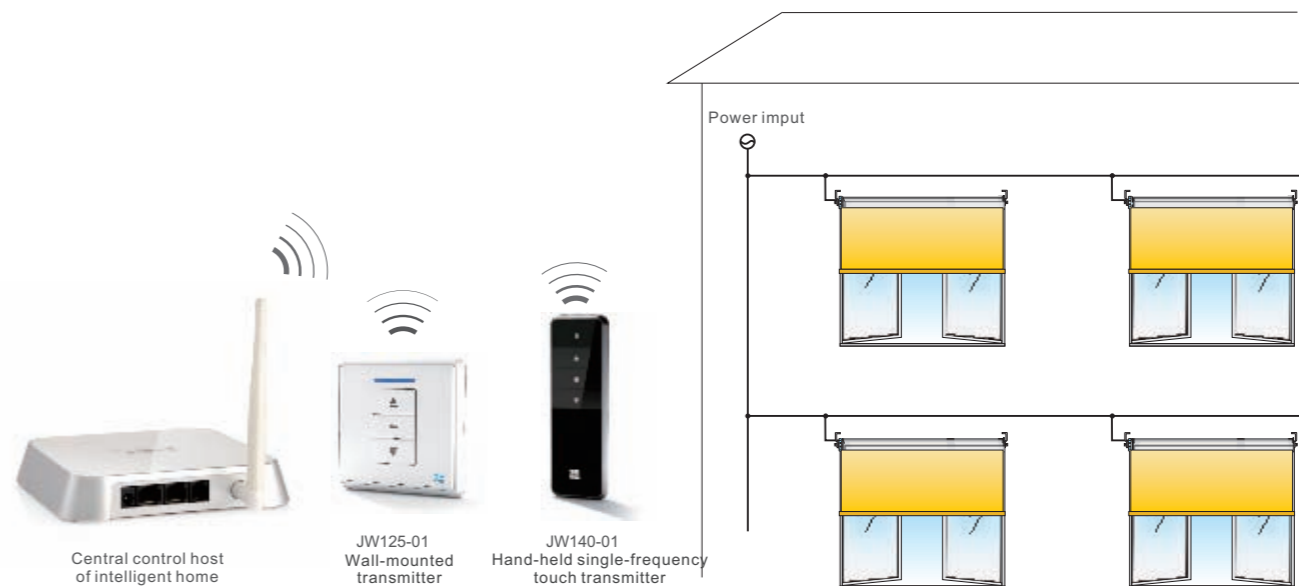
- | | | |
|---|---|--|
| <ul style="list-style-type: none"> Wide voltage supply Multi-stroke point setting | <ul style="list-style-type: none"> Built-in receiver Electric Limit | <ul style="list-style-type: none"> Support intelligent central control Jogging Low power |
|---|---|--|
- Wide voltage input, can adapt to the voltage of all countries in the world
 - You can set 6 limit points (upper/lower limit points and 4 middle limit points)
 - Mute operation, noise value can be as low as 40db
 - It can automatically correct the displacement caused by braking.
 - It can adjust and control the automatic setting stroke and is suitable for places with inconvenient installation and debugging.
 - It has the function of blocking and stopping to protect the safety of the system and users.
 - Can directly detect the rotation number of the motor, has high positioning precision,
 - The receiving sensitivity of the built-in superheterodyne receiving module reaches -110dbm

Application mode

External AC power supply mode is adopted, which is suitable for places such as convenient power supply, no external receiver is needed, can achieve the installation environment sample wireless remote control and intelligent medium control are supported, and the control mode is simple, flexible and selectable.



External AC power supply mode is adopted, and building group control function can be realized through wireless remote control and intelligent central control control.



Product parameter

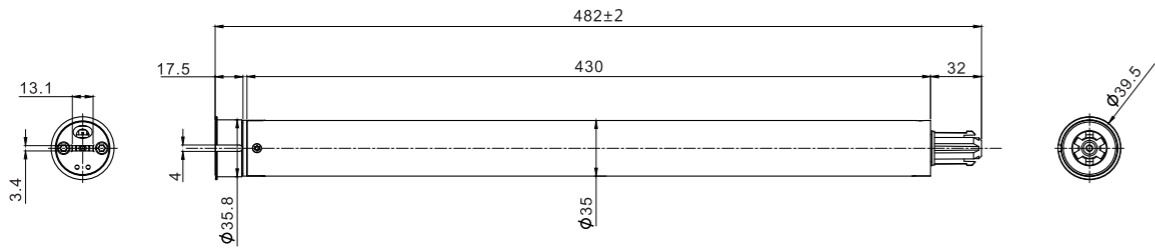
Rated model	Rated Torque	Rated rotation speed	Diameter of motor outer tube	Length of outer pipe A	Rated voltage	Rated power	Receiving frequency	Protection level
JWCK-J-25	1N.m	30rpm	25mm	415mm	100-240V	36W	433.92MHz	IP44



Motor size

JW35 Zero clearance stroke electronic limit ultra-quiet tubular motor

JW35 zero gap super silent tubular motor is mainly used in electric roller blinds pleated blind, Shangri-La curtain, electric screen, shutter and other products



Motor size

Functional characteristics

<input checked="" type="checkbox"/> AC power input Electric limit	<input checked="" type="checkbox"/> Electric limit	<input checked="" type="checkbox"/> Support intelligent central control	<input checked="" type="checkbox"/> Support RS485/232
<input checked="" type="checkbox"/> Built-in reception	<input checked="" type="checkbox"/> Multi-stroke point setting	<input checked="" type="checkbox"/> Jogging dimming	

- Up to 6 limit points can be set (upper/lower limit points and middle four limit points) Built-in superheterodyne receiving module, receiving sensitivity-110dbm
- The displacement can be automatically corrected.
- Simple operation flow makes setting simpler.
- The gap between the two sides of the curtain is less than 0.5cm, which can better protect your private space.
- Core components adopt imported brands to ensure long-term stability of the motor.
- Stop automatically in case of resistance, prevent accidents, directly detect the number of turns of rotor operation, and have high positioning progress.
- The utility model adopts the patent design of oblique teeth mute, operates in super silent mode, and the noise is as low as 30db.

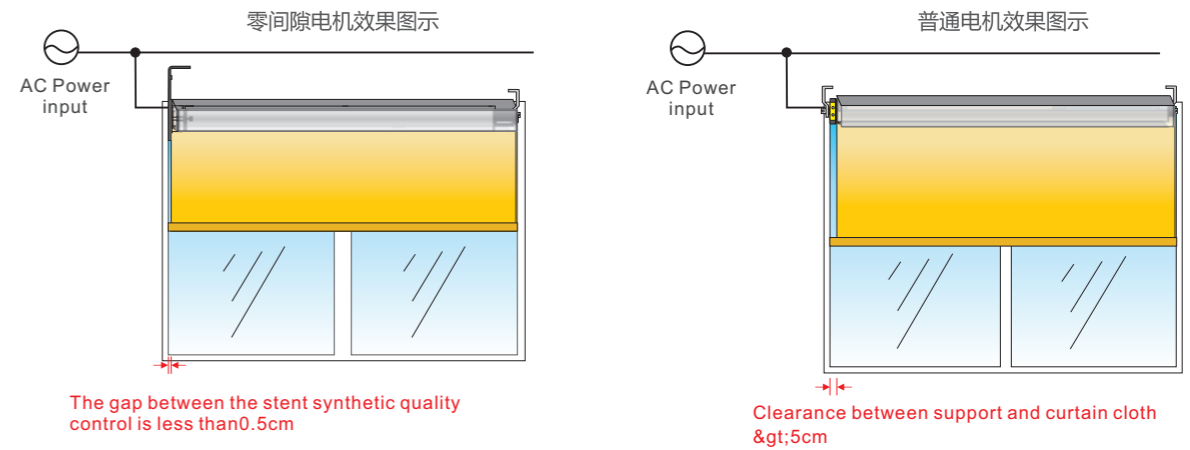
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零间隙有什么优势

JW 35 zero gap super silent electronic limit tubular motor zero gap refers to the gap between the bracket and the finished product pipe is zero, which is mainly realized by completely hiding the motor limit head into the finished product coil pipe

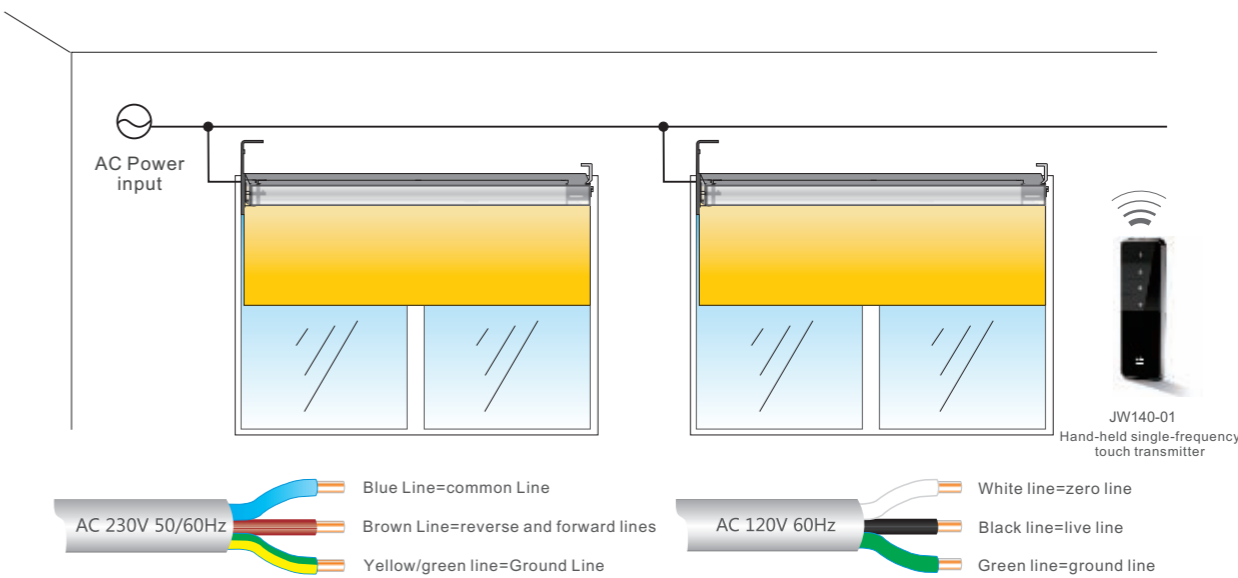
Advantages: After the tubular motor is closed, there will be no light transmission on both sides, allowing users to experience better shading effect and visual beauty.

Comparison between Zero-Gap Motor and Ordinary Motor Diagram



Application mode

Wireless remote control: through wireless remote control, operation and debugging are simple and convenient.

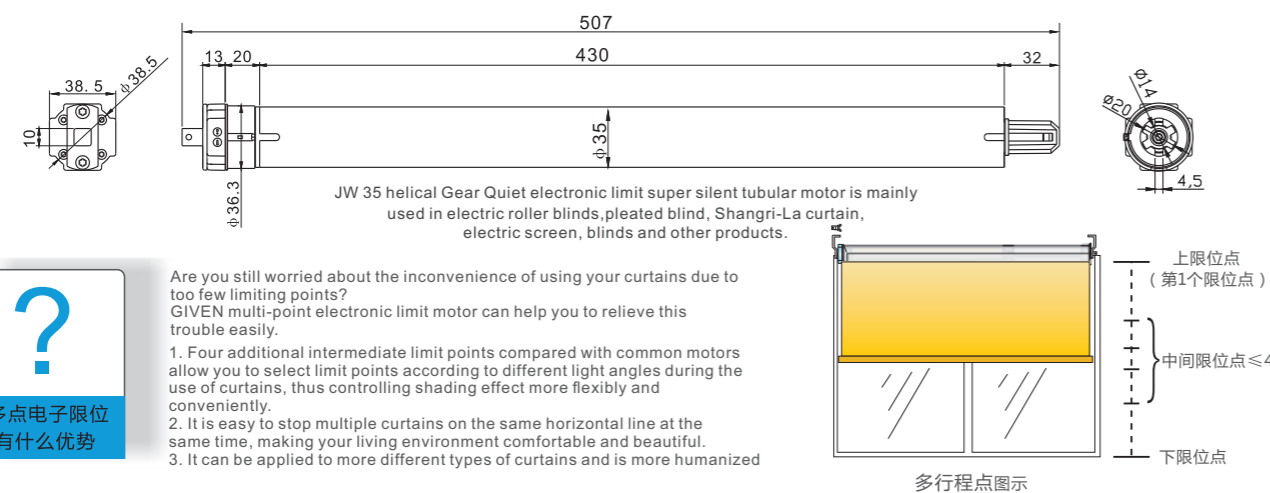


Product parameter

Rated model	Rated Torque	Rated rotation speed	Diameter of motor outer tube	Outer tube lengthA	Rated voltage	Rated power	Rated Current	Protection level
JW35-6/28-MEL-FZG	6N.m	28rpm	35mm	430mm	230V	0.485A	115W	IP44



JW35 Helical multi-travel electronic limit tubular motor



Are you still worried about the inconvenience of using your curtains due to too few limiting points? GIVEN multi-point electronic limit motor can help you to relieve this trouble easily.

1. Four additional intermediate limit points compared with common motors allow you to select limit points according to different light angles during the use of curtains, thus controlling shading effect more flexibly and conveniently.
2. It is easy to stop multiple curtains on the same horizontal line at the same time, making your living environment comfortable and beautiful.
3. It can be applied to more different types of curtains and is more humanized

多点电子限位
有什么优势

Functional characteristics

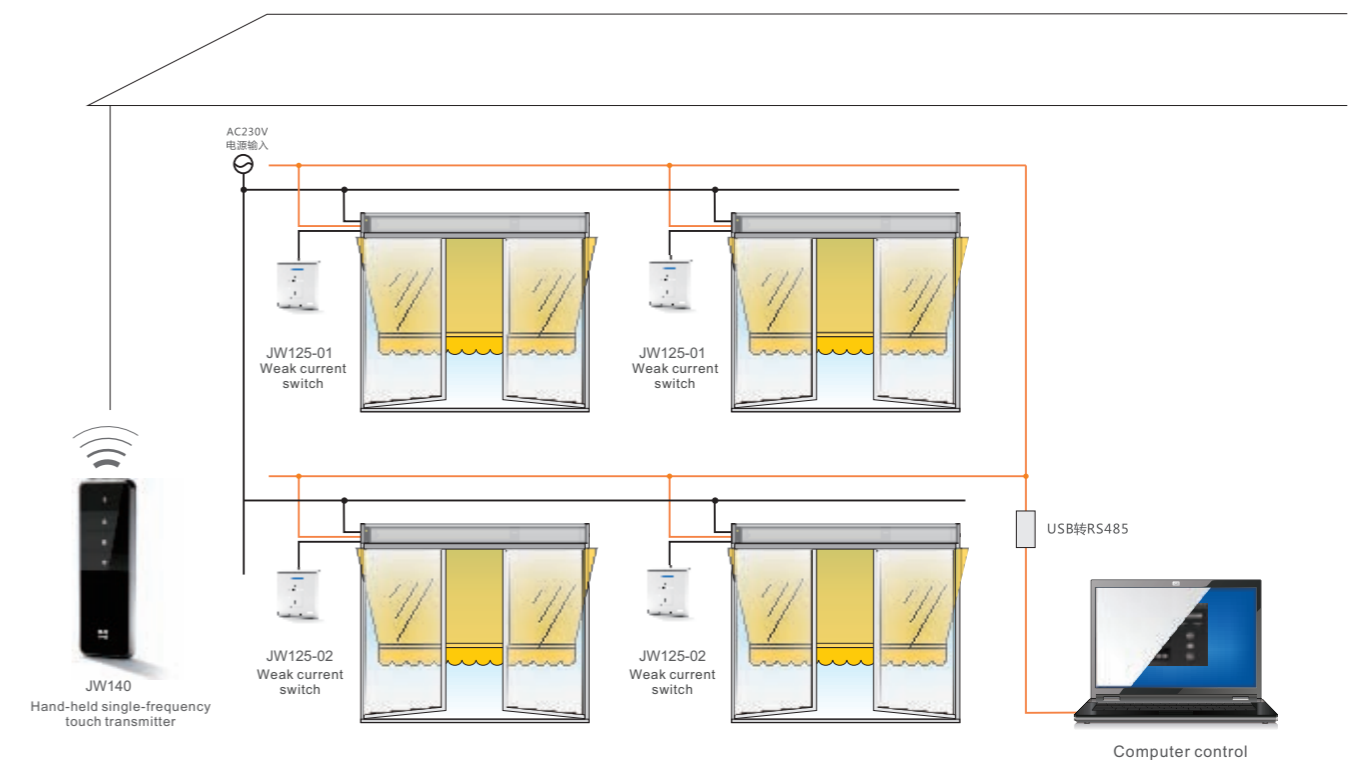
- ☒ AC power input
- ☒ Electric limit
- ☒ Built-in reception
- ☒ Multi-stroke point setting
- ☒ Jogging dimming
- ☒ Support intelligent central control
- ☒ Support RS485/232

- The international leading mute patent technology, helical super silent structural design,
- Realize mute operation with noise as low as 30db
- Up to 6 limit points can be set (upper/lower limit points and 4 middle limit points)
- Support RS485/232 computer control function, convenient integration of central control

- Support that control function of the external hand-held control switch,
- Simple operation flow makes setting simpler.
- It can resist surge impact and the motor is stable for a long time.
- Stop automatically when encountering obstacles to prevent accidents from happening.
- Displacement can be corrected automatically.
- The number of turns directly detected has high positioning accuracy.
- Built-in superheterodyne receiving module, receiving sensitivity -110dbm

Application mode

Computer group control adopts external AC power supply mode, which is suitable for places with convenient power supply. It can take over the control switch externally and realize building group control through computer control.

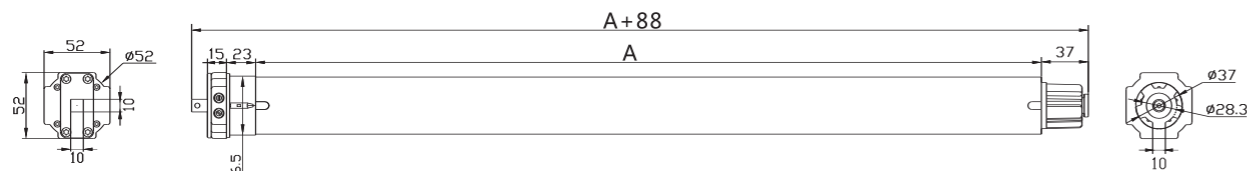


Product parameter

Rated model	Rated Torque	Rated rotation speed	Diameter of motor outer tube	Rated voltage	Rated power	Rated Current	Protection level
AC230V 50/60Hz							
JW35-3/28	3N.m	28rpm	35mm	230V	85W	0.38A	IP44
JW35-6/28	6N.m	28rpm	35mm	230V	115W	0.485A	IP44
JW35-8/19	8N.m	19rpm	35mm	230V	115W	0.485A	IP44
JW35-10/14	10N.m	14rpm	35mm	230V	115W	0.485A	IP44
AC120V 60Hz							
JW35-3/28	3N.m	28rpm	35mm	120V	85W	1.0A	IP44
JW35-6/28	6N.m	28rpm	35mm	120V	115W	1.1A	IP44
JW35-8/19	8N.m	19rpm	35mm	120V	115W	1.1A	IP44
JW35-10/14	10N.m	14rpm	35mm	120V	115W	1.1A	IP44



JW45 Super Silent Tubular Motor



Please refer to the product parameter table for the specific value of outer tube length A. Motor size

Functional characteristics

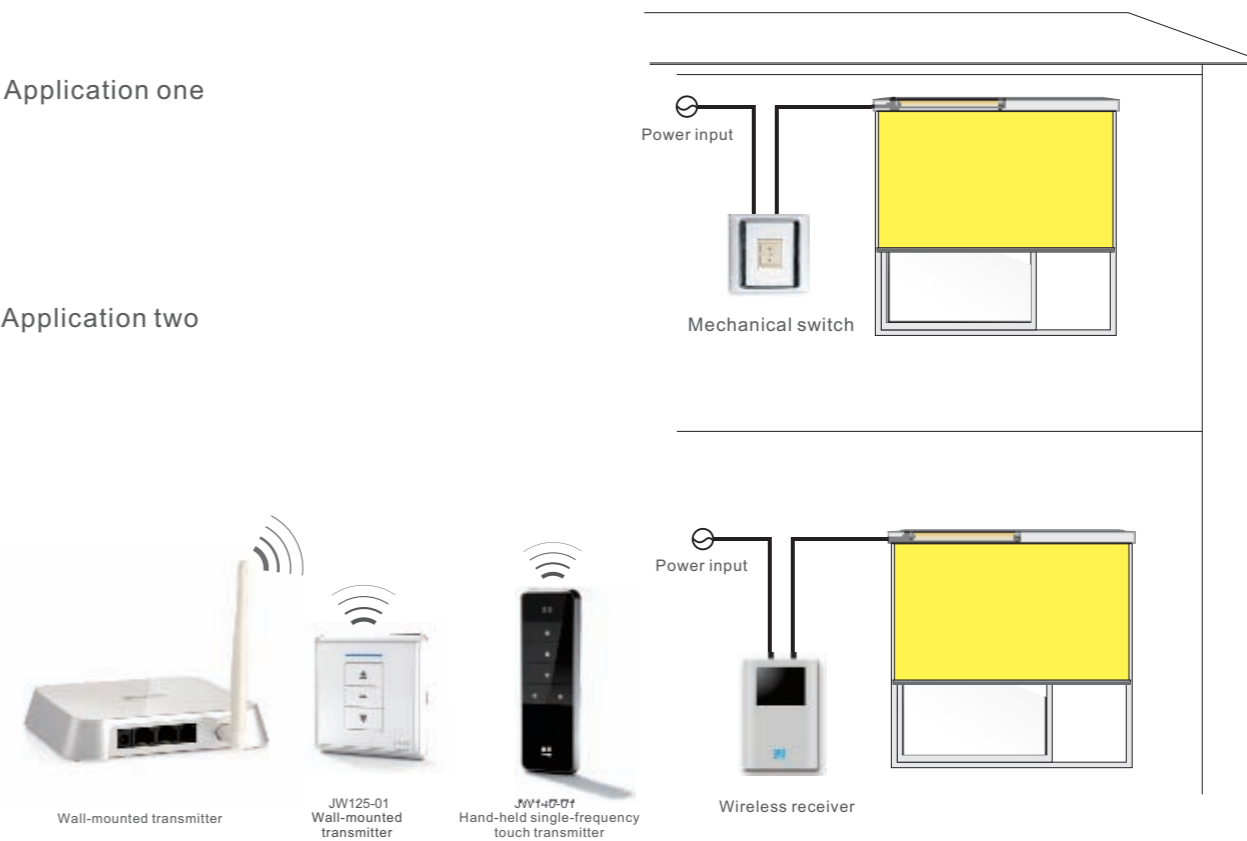
- ☒ AC power input
 - ☒ Mechanical limit
 - ☒ Support intelligent central control
 - ☒ Super silent design
 - ☒ Jogging dimming

- Unique super silent patented technology, super silent operation, operating noise value as low as 35db.
- Unique torque output blocking stop design ensures safety and reliability
- Precision mechanical positioning mechanism, repeated positioning accuracy as high as 2 degrees
- The maximum limit turns can reach 55 turns.

Application mode

Application one

Application two

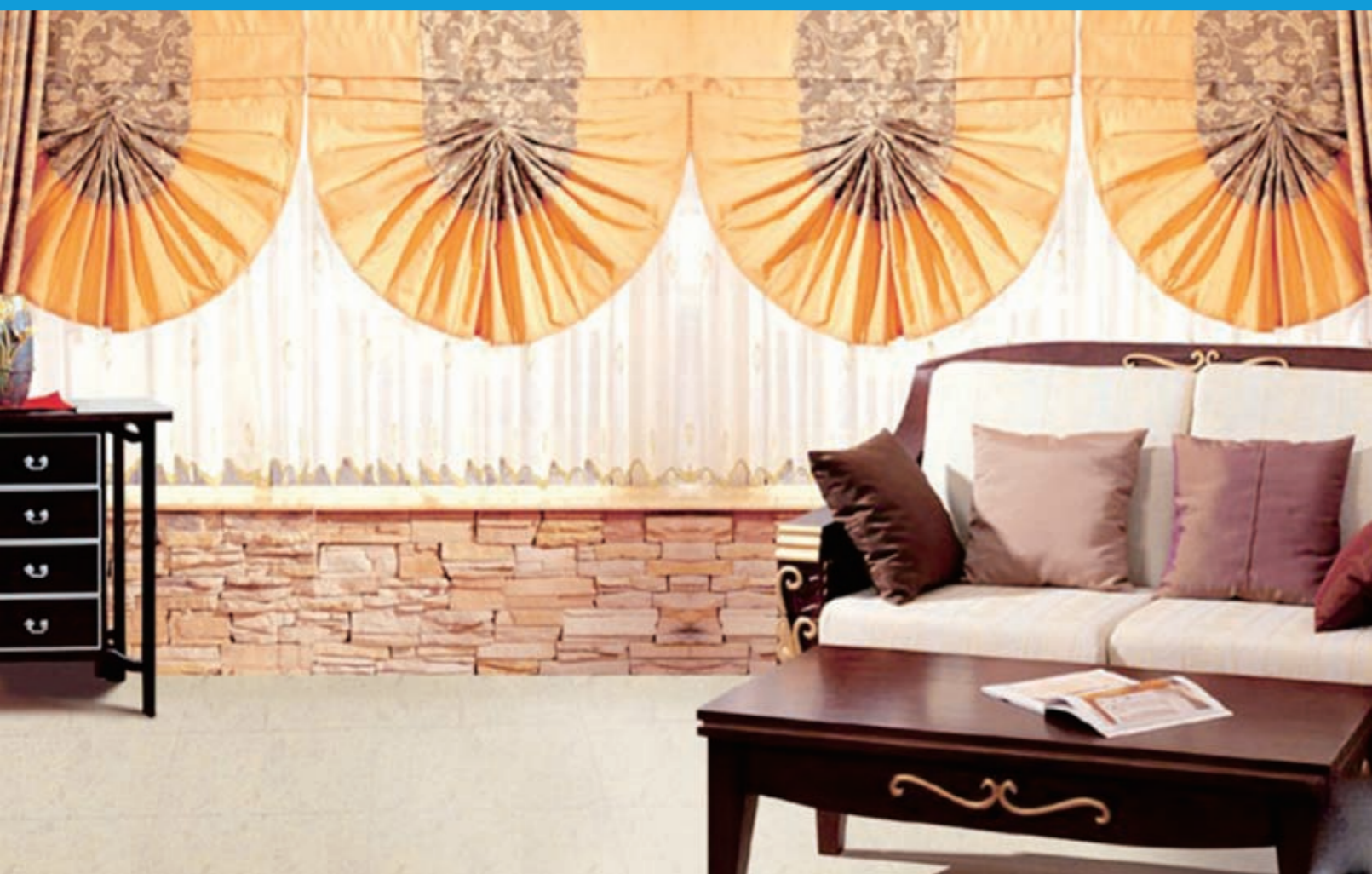


Product parameter

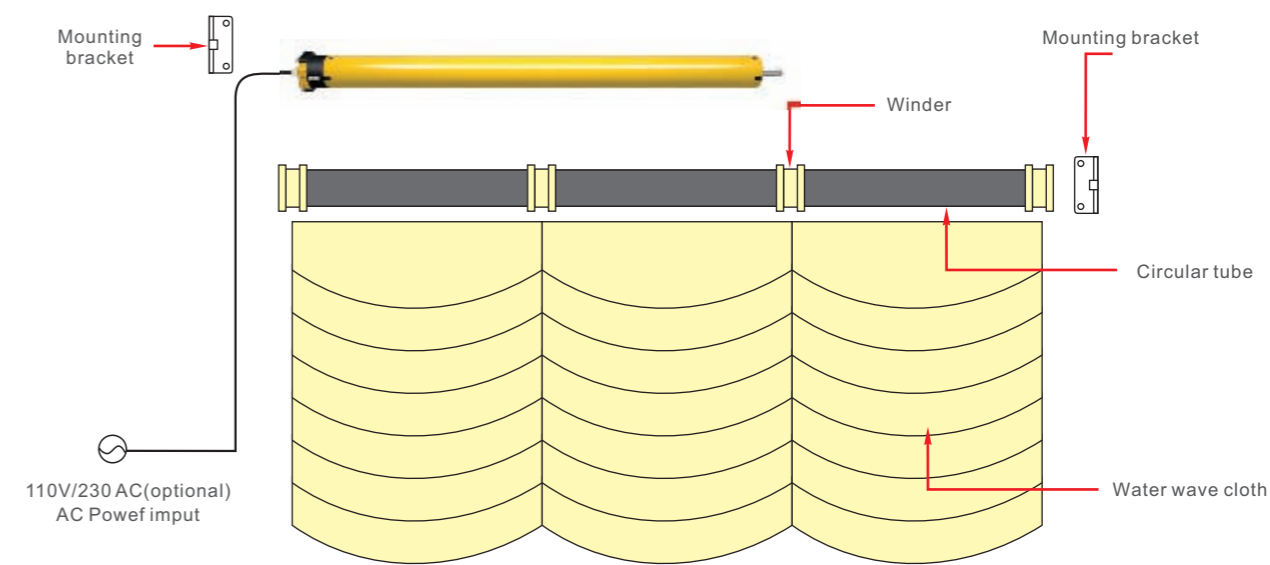
Rated model	Rated Torque	Rated rotation speed	Diameter of motor outer tube	Outer tube lengthA	Rated voltage	Rated power	Rated Current	Protection level
AC230V 50/60Hz								
JW 45-3/28	3N.m	28rpm	45mm	620mm	230V	85W	0.38A	IP44
JW 45-6/28	6N.m	28rpm	45mm	620mm	230V	115W	0.485A	IP44
JW 45-8/19	8N.m	19rpm	45mm	620mm	230V	115W	0.485A	IP44

AC120V 60Hz

JW 45-3/28	3N.m	28rpm	45mm	620mm	120V	120W	1.0A	IP44
JW 45-6/28	6N.m	28rpm	45mm	620mm	120V	130W	1.1A	IP44
JW 45-8/19	8N.m	19rpm	45mm	620mm	120V	130W	1.1A	IP44



System structure decomposition



Motorized Roman Blinds Solution

The European classical style of Motorized roman blinds and its creasing level give people a graceful feeling. It has the advantages of sunshade, heat insulation, dust prevention, ventilation, comfort and coolness, etc. Hanging indoors, it creates a sense of simplicity and harmony, makes people feel at ease, and is very suitable for use in large banquet halls.

The electric roman blinds system makes the complicated lifting and lowering of roman blinds extremely simple, convenient, broad and bright floor-to-ceiling windows, gorgeous and elegant roman blinds, remote control and electric control all by one finger, making life more convenient and intelligent.

System characteristics

- 1. Transmission mode: tubular motor is used as the driving force, and jw35 and jw45 motors are generally used. according to the height of building windows, electric roller shutters with different diameters can be adopted, and various types of fabrics are matched to achieve different shading effects.
- 2. Can produce water wave type or stepped effect
- 3. Intelligent control modes such as timing, light control and temperature control can be adopted.
- 4. The control methods can be wireless remote control, infrared remote control, strong and weak current power on/off control RS485/232 network control and other methods, which are widely used in villas, apartments, hotels, office buildings, conference rooms, cafes, exhibition halls and so on

Applicable Motor Matching Table

Product Series	Model	The length of motor	Rated Torque/rotation speed	Protection level	Brief description of functions
JW35 系列	直流电机	502mm	3/20 6/20	IP44	Patented Technology for Low Power Consumption Design
	标准电机	502mm	6/28 8/19 10/14		Mechanical limit, the maximum number of turns can reach 45
	内置电机	597mm	6/28 8/19 10/14		Mechanical limit, built-in wireless receiver
	多点限位电机	509mm	6/28 8/19 10/14		Electronic limit, built-in wireless receiver, 6 limit points
	并联电机	597mm	6/28 8/19 10/14		Mechanical limit, external receiving, multiple units used in parallel (2-50 units)
	静音电机	557mm	6/20 6/28 6/30		Patented technology for super silent design of helical teeth, with sound as low as 20db
JW45 系列	标准电机	602mm	10/17 15/17 20/30 50/12	IP44	Mechanical limit, external wireless receiver, maximum limit turns 55
	多点限位电机	584mm	10/17 15/17 20/30 30/17 50/12		Electronic limit, built-in wireless reception, multiple travel points
	内置电机	602/702mm	15/17 20/30 30/17 50/12		Mechanical limit, built-in wireless receiver
	网络电机	561mm	15/17 20/30 30/17 50/12		Electronic limit, built-in wireless reception, multiple travel points Support controlled By RS485/232
	并联电机	602mm	15/17 20/30 30/17 50/12		Mechanical limit, external receiving, multiple units used in parallel (2-50 units)
	静音电机	718mm	6/20 6/28 6/30 8/19		Patented technology for super silent design of helical teeth, with sound as low as 20db



Motorized Shangri-La or Motorized Zebra Blinds Solution

Motorized Shangri-La Curtain

The motorized Shangri-La curtain is unique intexture and beautiful in appearance. Connecting leaf fabric in two layers of soft fabric can keep softlight indoors. Turning the leaf angle can adjust the intensity of light. The curtain can be completelyhidden in the curtain box when pulled up. The fabricwith unique texture can keep the color consistent for a long time.

The track and bracket with strong shading andsimple structure are more convenient to install andeasy to clean. Ultrasonic can be used to clean the fabric to make the fabric bright as new. MotorizedShangri-La curtain is the best choice to maintainprivacy and control light, and is widely used in villas, office buildings, cafes, western restaurants, hotels and other places.

System characteristics

- 1.Connecting horizontal blades in two layers of soft fabrics can adjust the room to keep soft light at will.
- 2.The angle of the turning blades can adjust the intensity of light,
- 3.The curtain cloth can be completely hidden in the box and has beautiful appearance.
- 4.The fabric with unique texture can keep the color consistent for a long time, with various colors and strong shading.
- 5.The track and the bracket with simple structure are more convenient to install and convenient to clean.
- 6.Ultrasonic can be used to clean the fabric to make it bright as new.

Motorized zebra curtain

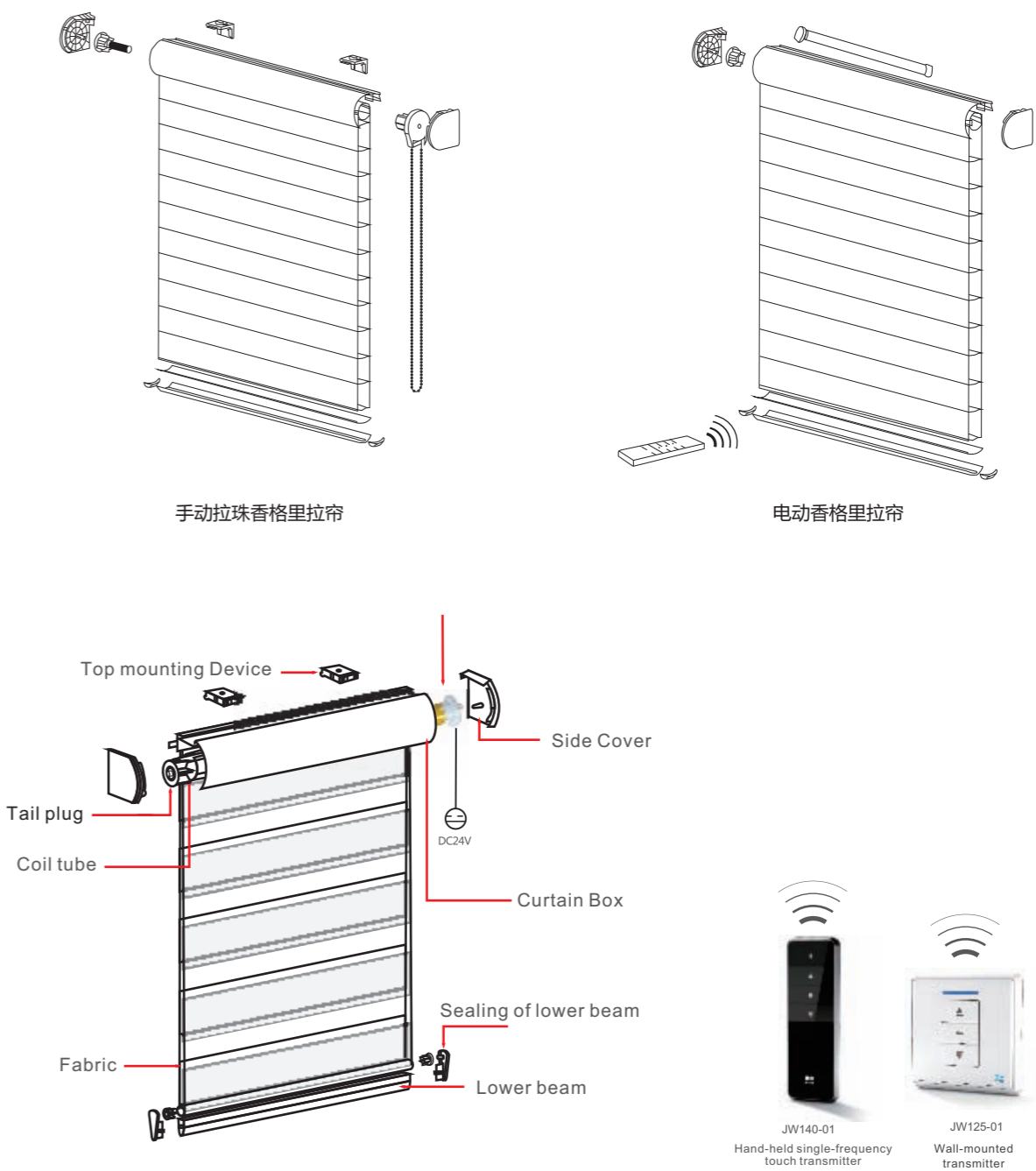
Motorized zebra curtain is also known as motorized soft gauzecurtain, motorized Ayabeni curtain, motorized soft silk andmotorized dimming roller curtain. Because of the different colors of its light-shielding cloth and non-light-shielding cloth, it is similar to the stripes on zebra body, hence the name zebra stripes.

Motorized zebra curtain is a kind of textile fabric woven by small pieces of fabric with equal width and gauze at intervals. one end is fixed, and the other end is rolled along with a scroll to achieve the purpose of adjusting light. when the gauze and gauze overlap, the light is softer and direct light emission is reduced to a certain extent. when the cord fabric and the cord fabric overlap, the light is completely shielded, thus achieving the purpose of shielding light. the fabric of the product is diverse, and different choices have different feelings. the simple and elegant design and structure create high-grade and elegant furniture life.

System characteristics

- 1.The double-layer fabric is zebra stripe-shaped, and the shadingangle can be flexibly adjusted up and down, so that heat can be prevented from increasing in summer, heat can be prevented from being separated in winter, and the curtain has sound absorption and heat insulation effects
- 2.Non-polyester woven fabric can be used to meet more personalized needs through a variety of materials such as spread, knitted and woven fabrics.
- 3.Cloth treated by special technology can have antistatic, flame retardant, anti-UV, waterproof, anti-greasy, antibacterial and environmental protection functions.
- 4.The installation structure of the product is rich, and it can be madeinto conventional lower opening type, upper and lower opening type, upper and lower combination day and night curtain type, etc.

System structure decomposition



Applicable Motor Matching Table

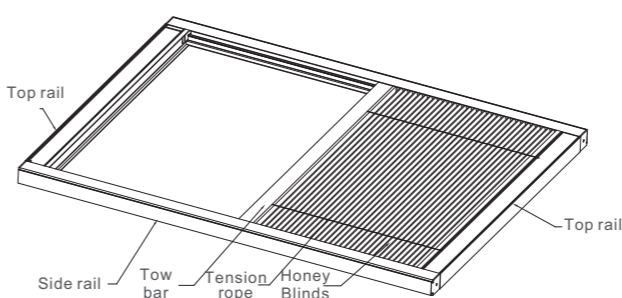
Product Series	Model	The length of motor	Rated Torque/rotation speed	Protection level	Brief description of functions
JW25 Series	JWCK-J-25A	454mm	1.2/30	IP44	Wide voltage supply,electronic limit,built-in wireless re ceiver
	JWCK-J-25B	454mm	1.2/30	IP44	Patented tow Power Design Technology Battery rod or solar panel power supply



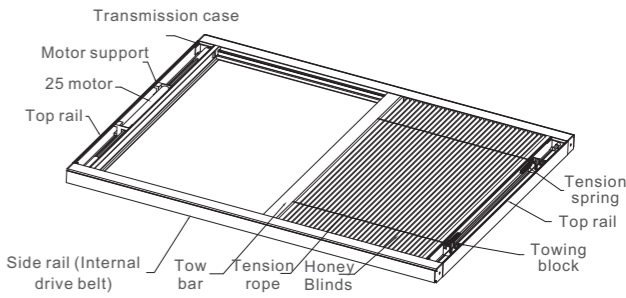
Systemstructure decomposition

Motor technical parameters

	Motor name and model	Power supply	Power	Torque	Rotating speed	Noise level
Honey Blinds	Honey Blinds Motor	24V	7W	1.2N	34rpm	35Db

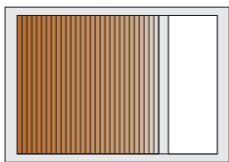


Manual Honey Blinds

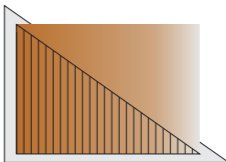


MotorizedHoney Blinds

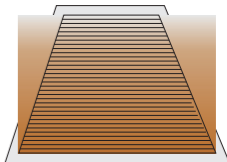
Applicationform



Standardrectangle



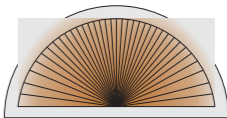
Triangle



Trapezoid



Camber



Sector

Applicable Motor Matching Table

Product Series	Mode	The length of motor	RatedTorque/rotationspeed	Protection level	Brief descriptionof functions
Jw24 Mechanical limit	Venetian blinds Single Output Shaft Motor	158.6mm	0.6/34	Ⅲ	Mechanical limit, external wireless receiver, Can be equipped with battery bars or solar panels for power supply.
	Venetian blinds Single Output Shaft Motor	201.4mm	0.8/34		
Jw24 Electronic limit	Venetian blinds double Output Shaft Motor	158.6mm	0.6/34		Electronic limit, built-in wireless receiver, Can be equipped with battery bars or solar panels for power supply.
	Venetian blinds double Output Shaft Motor	201.4mm	0.8/34		

Motorized Honeycomb Blinds Solution

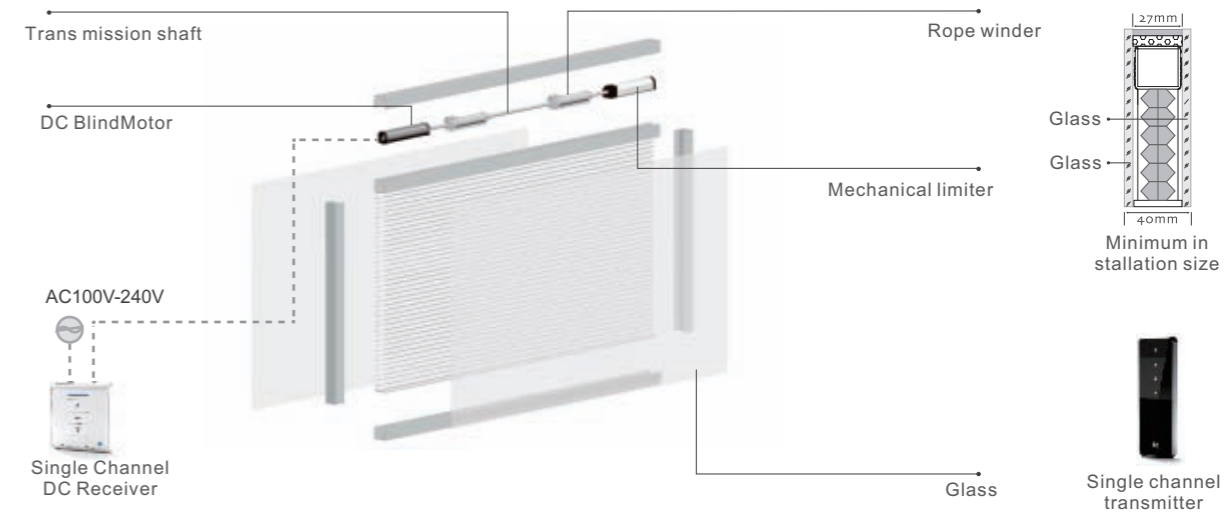
The honeycomb curtain, also known as the organ curtain, is one of the main curtain products popular in Europe and the United States. It is named for its honeycomb structure. The product has excellent performance in various performances such as dimming, shading, heat insulation, and convenient usability. . There is a thick layer of still air in the middle fixed honeycomb. The heat conduction on both sides of the window is completely isolated. With unparalleled thermal insulation function, the two side walls of the honeycomb are two different layers of fabric, which filter and diffuse the light twice, making the light entering the room delicate and soft, giving the room a warm and incomparable atmosphere. After special waterproof treatment of different fabrics, you can easily obtain the dimming requirements of various gradients from soft yarn absorption to full shading. It is an expert in indoor light control. Suitable for use in villas, furniture, hotels, offices and other environmental conditions.

Systemcharacteristics

- 1.The honeycomb shape can contain air, can prevent heat from increasing in summer, can prevent heat from being separated in winter, and enables the curtain to have sound absorption and heat insulation effects.
- 2.Non-polyester woven fabric can be used to meet more personalized needs through a variety of materials such as spread, knitted and woven fabrics.
- 3.Cloth treated by special technology can have antistatic, flame retardant, anti-UV, waterproof, anti-greasy, antibacterial and environmental protection functions.
- 4.Hidden drawstring design and sharp pleats make the peak curtain look more concise and exquisite, with elegant lines.
- 5.The installation structure of the product is rich, and it can be made into conventional lower opening type, upper and lower opening type, upper and lower combination day and night curtain type, etc.

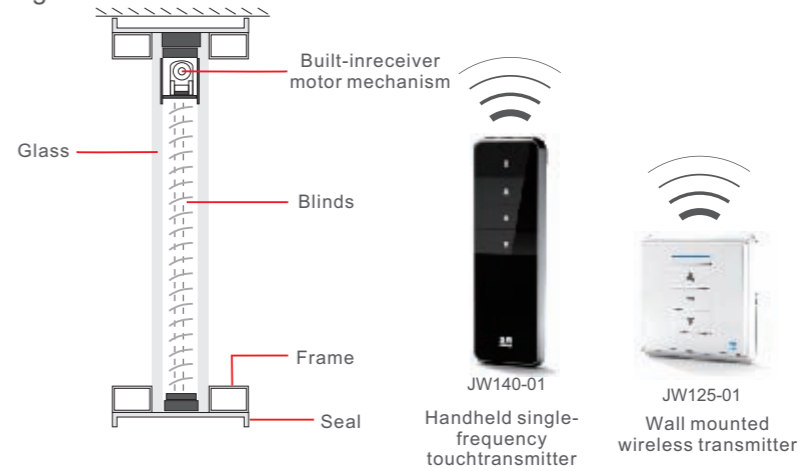


MotorizedHollowBlindSystem
Structure ExplodedView



Motorized hollow venetian blinds are made of high-quality double-layer tempered glass, double-sided laminated glass and other high-quality aluminum blind sheets, which can effectively prevent dust, oil, and pollution. The blind film does not need to be cleaned, which saves time, effort and benefits. Double-blind tempered glass with blind curtains made of aluminum has the function of transmitting flame through the sun. Effectively reduce the chance of fire. Insulating glass can generally reduce the indoor noise from 86 decibels to less than 30 decibels, ensuring perfect sound insulation.

Systemmechanismdiagram



Motorized Venetian Blinds Solution

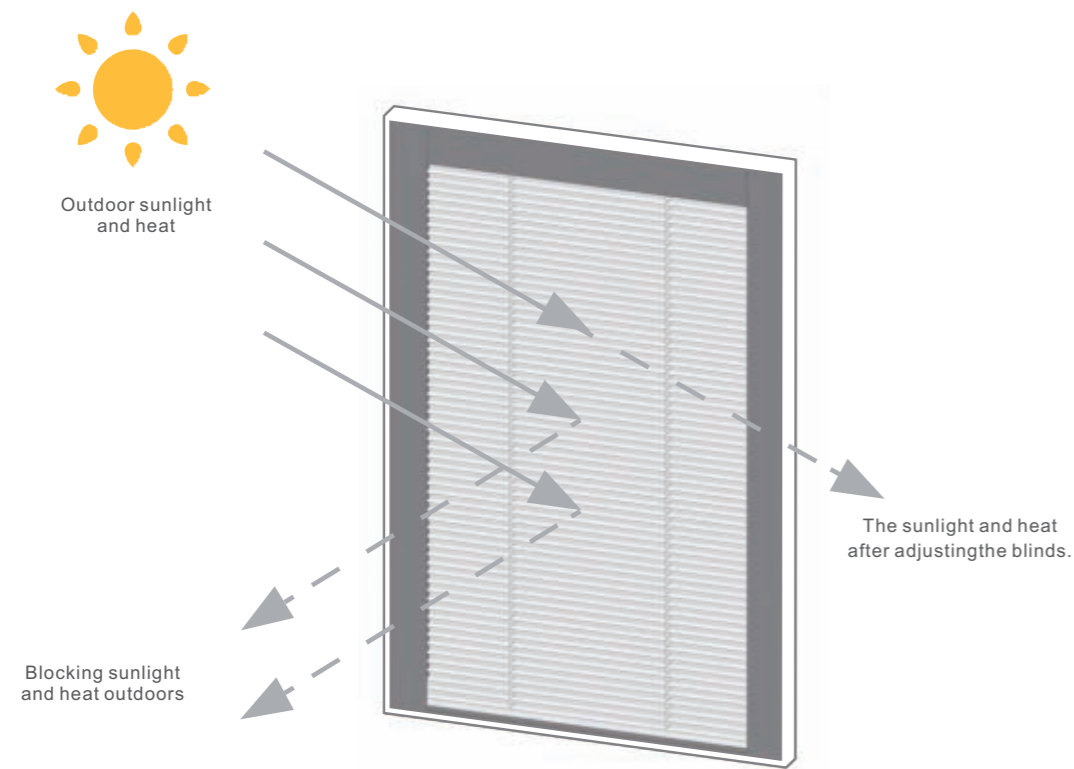
Indoor hollow aluminum blinds is a new type of energy-saving product that installs venetian blinds in insulating glass. It combines traditional venetian blinds and insulating glass as a whole, which not only saves space, but also achieves the comprehensive performance of insulating insulation and insulating shades. Blinds insulating glass has the function of lifting and lowering the blinds by 180 degrees. It has good shading performance, improves the insulation performance of insulating glass, improves the indoor light environment, and is widely used in energy-saving building doors and windows.

- Energy saving and environmental protection
The venetian blinds are built into the hollow glass. By achieving accurate lighting, the heating and air conditioning costs are greatly saved.
- No-clean maintenance
Venetian blinds or honeycomb curtains in a fully enclosed environment effectively isolate dust and microorganisms and maintain a sterile and dust-free state for a long time.
- Privacy/ acoustic
Adjustable venetian blinds instantly create a private environment. The double-sealed glass has highly efficient sound insulation.

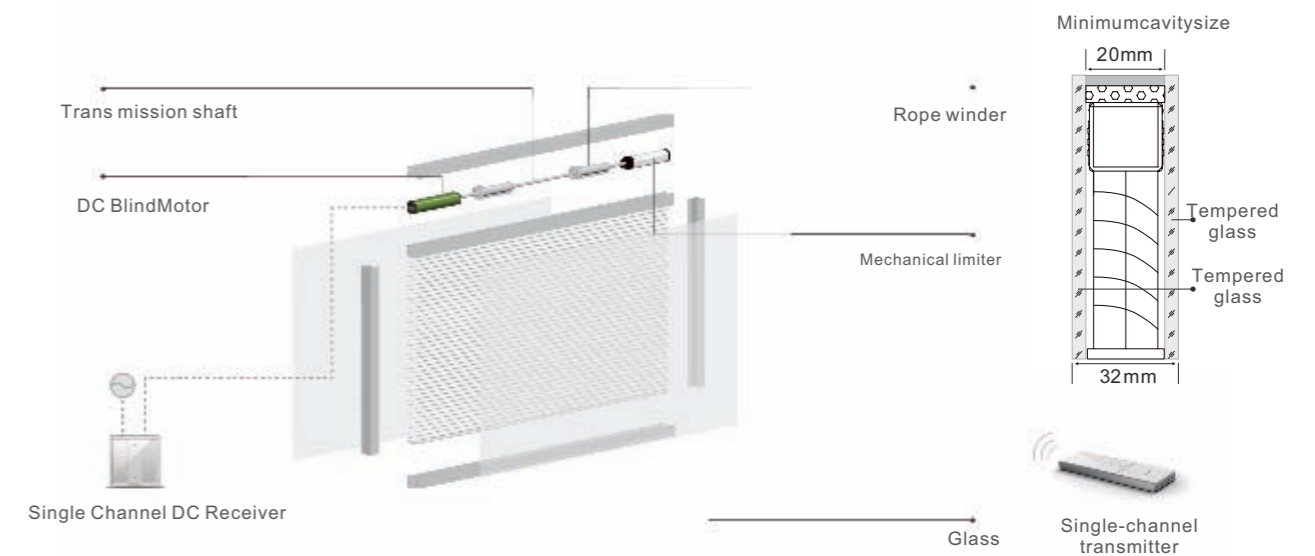
- Strengthen security
Double-layer tempered glass has strong wind resistance. This technology takes full account of fire safety design.
- Easy control
Easily control venetian blinds and honeycomb blinds with magnetic sliders or electronic controls.
- Sunshade
The shutters can be adjusted in the hollow glass to achieve natural lighting and complete shading.

Applicable Motor Matching Table

Domestic motor	Model	Orque (N.m) / speed(rpm)	Insulation class	Brief descriptionof functions
JW 16 motor	JW16 motor	0.4/30	Ⅲ	Electronic limit. Built-in wireless receiver, can be powered by battery stick or solar panel
JW 24 mechanical limit	JW 24 mechanical limit venetian blind single output shaft motor	0.6/34		Mechanical limit. External unlimited receiver, can be equipped with battery stick or solar panel
	JW 24 mechanical limit venetian blind double output shaft motor	0.8/34		
JW 24 electroniclimit	JW 24 electronic limit venetian blind single output shaft motor	0.6/34		Electronic limit. Built-in wireless receiver. Can be equipped with battery stick or solar panel
	JW 24 electronic limit venetian blind double output shaft motor	0.8/34		
Other domestic motors	Model	Orque (N.m) / speed(rpm)	Insulation class	Brief descriptionof functions
DOOYA Motor	DV18DS	0.3/34	IP40	Single-axis output, external receiver, protectionfunctionincase of resistance
	DV16DS	0.3/50	IP20	
	DV24DG	0.6/45	IP40	
	DV24DH	0.8/45		

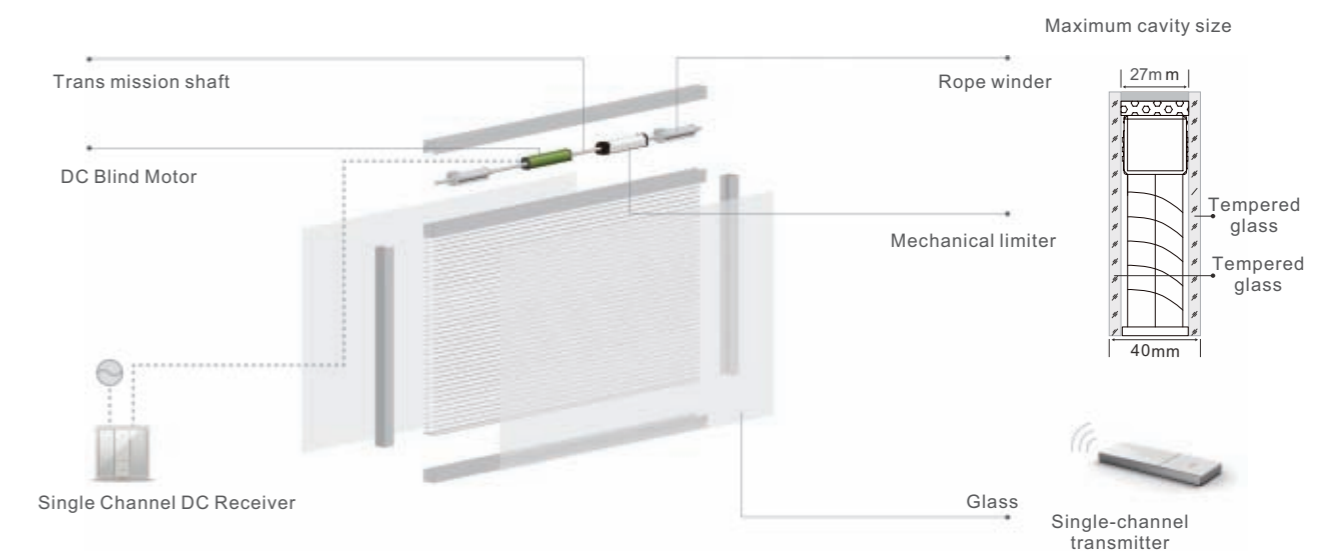


20A built-in electric hollow aluminum blinds

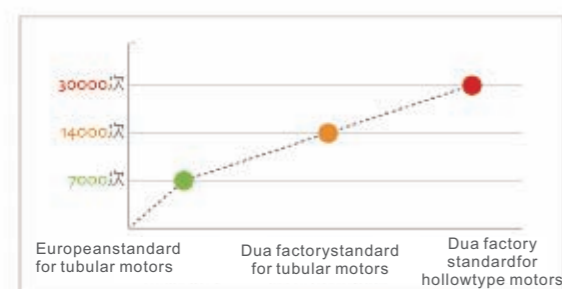


Control method: wired switch	Power category / DC power	Motor type / DC motor	Stroke method / external mechanical stroke	Output mode single head output function
Maximum load: 2kg	Minimum width: 0.37m	Maximum width: 1.8m	Maximum height: 3m	Maximum area: 2.8m ²

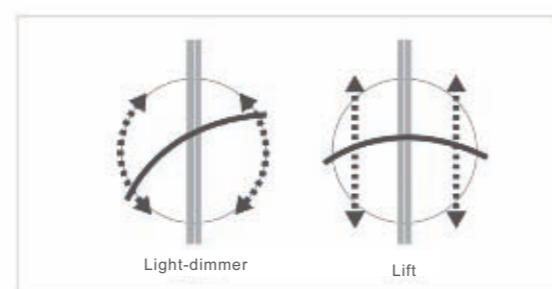
27A built-in electric hollow aluminum blinds



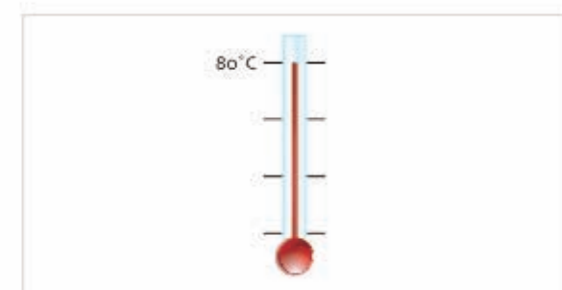
Control method: wired switch	Power category / DC power	Motor type / DC motor	Stroke method / external mechanical stroke	Output mode single head output function
Maximum load: 6kg	Minimum width: 0.45m	Maximum width: 1.8m	Maximum height: 3.6m	Maximum area: 6.4m ²



Long service life design



Dimming and lifting

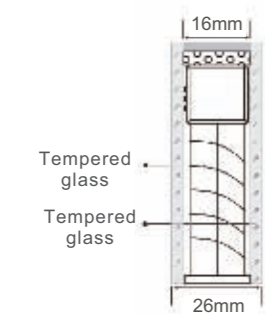


Maximum operating temperature: 80°C



Mute design

16A built-in electric hollow magnetron aluminum blinds



Single VenetianBlinds

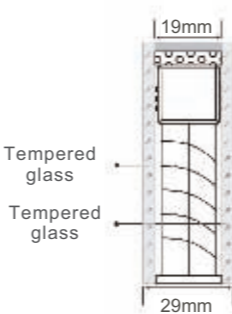


Double VenetianBlinds

Technical Parameters

Sealinginterval thickness	Inner / outer glass thickness	Window frame maximumembedding depth	Blade specifications
16mm	5/5mm,5/6mm	15mm	12.5mm

19A built-in electric hollow magnetron aluminum blind



Single VenetianBlinds



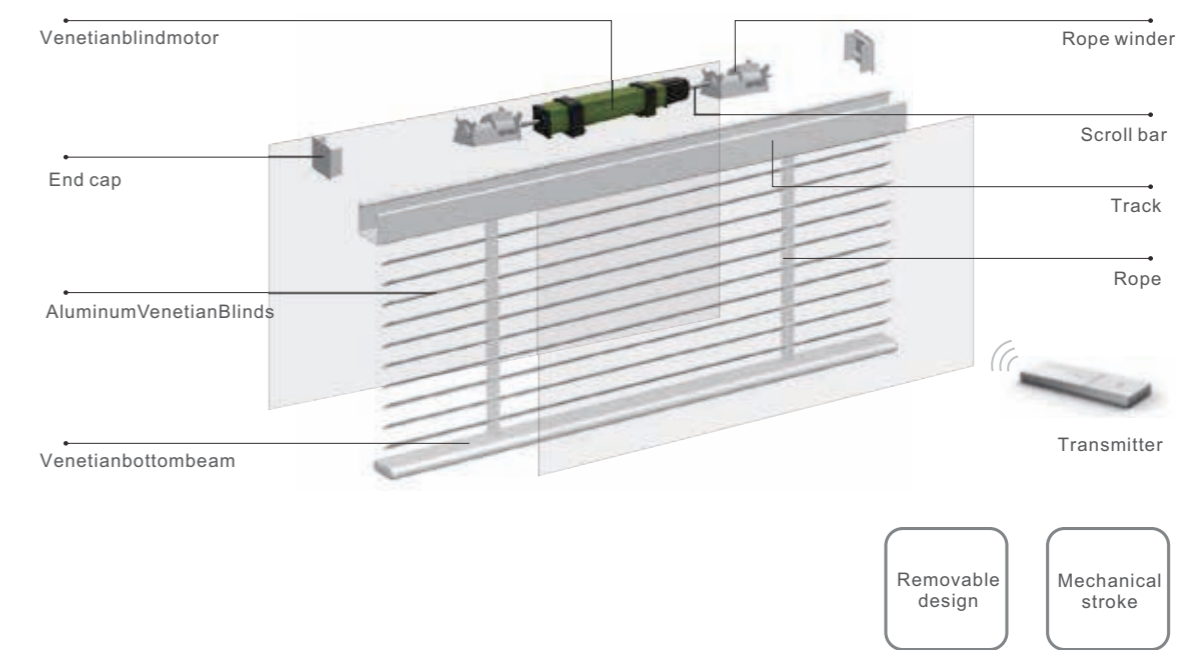
Double VenetianBlinds

Technical Parameters

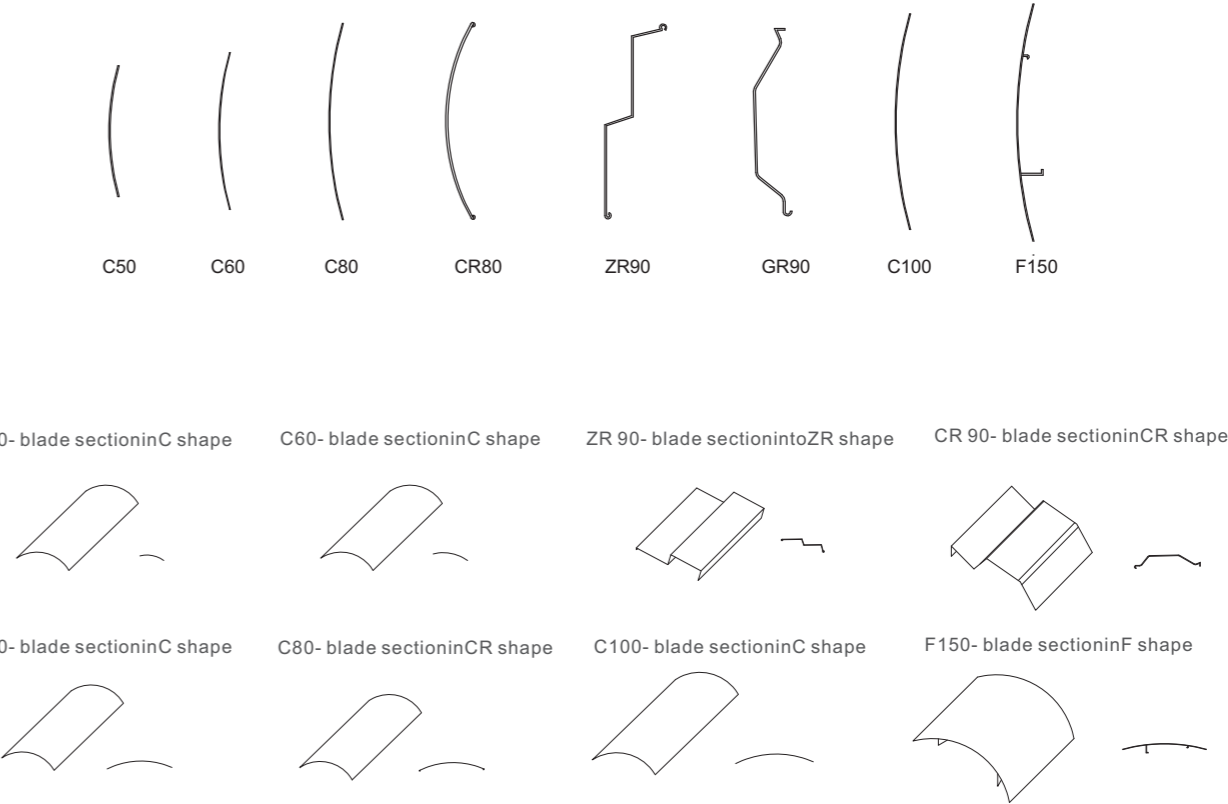
Sealinginterval thickness	Inner / outer glass thickness	Window frame maximumembedding depth	Blade specifications
16mm	5/5mm,5/6mm	15mm	12.5mm



Breathing curtainwall electric aluminum blinds



Blade shape and model



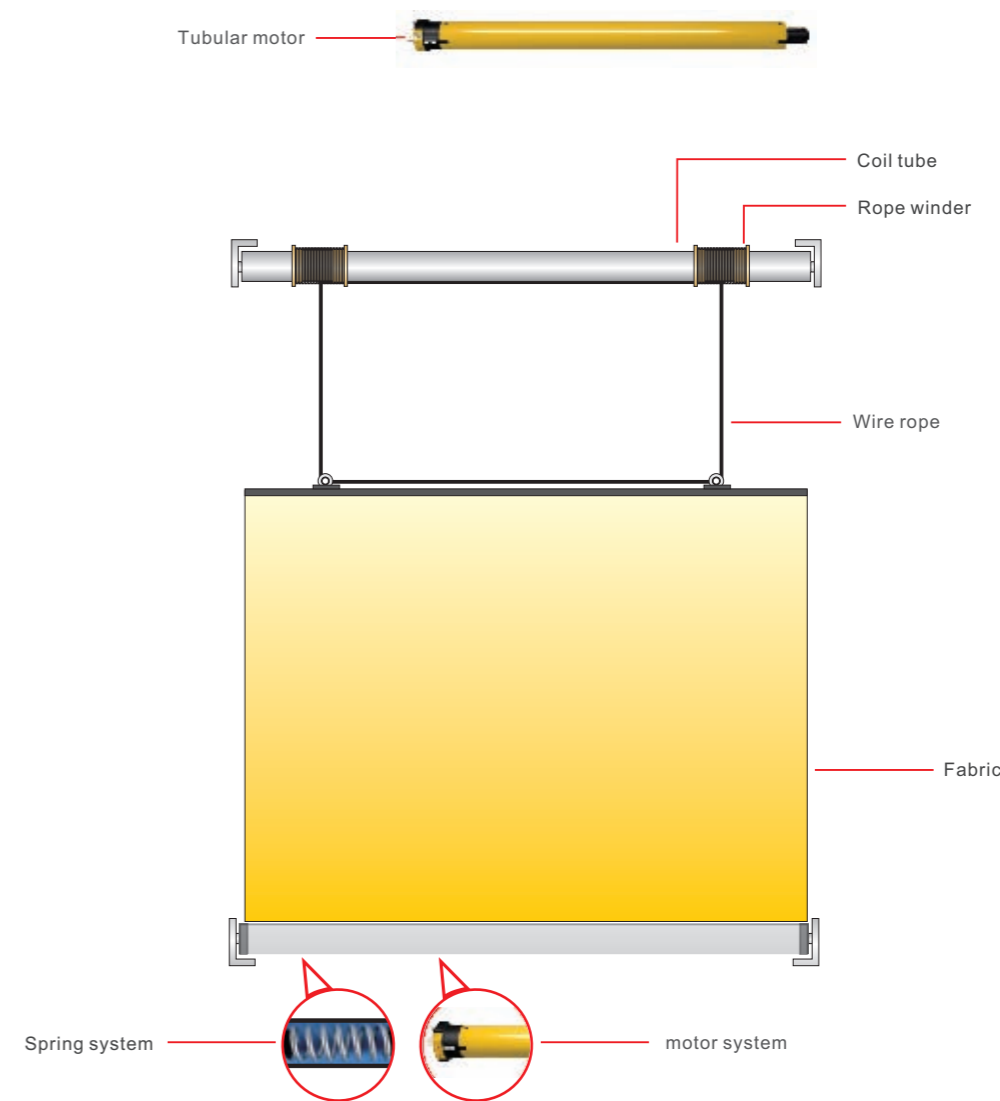
Breathing Curtain Wall Solution

Breathing curtain wall is composed of two layers of glass curtain wall inside and outside. Compared with the traditional curtain wall, its biggest feature is that a ventilation layer is formed between the two layers of curtain wall inside and outside. Due to the circulation or circulation of air in this ventilation layer, the temperature of the inner curtain wall is close to the indoor temperature, and the temperature difference is reduced, so it saves 42% to 52% of energy compared to the traditional curtain wall when heating; and saves energy 38%- 60%. In addition, due to the use of double curtain walls, the sound insulation effect of the entire curtain wall has been greatly improved. Breathing curtain wall can be divided into "closed inner circulation system" and "open outer circulation system" according to the structure of the ventilation layer. It can effectively block more than 80% of the heat from entering the room, while improving the office environment, it also plays a role in energy saving and environmental protection. And also has the characteristics of easy to clean, durable and not easy to break, better thermal insulation effect, simple and bright overall decorative effect, simple and convenient operation mode and so on.

Control mode/ wire switch	Power supply category/ DC power supply	Motor type/DCmotor	Stroke method / external mechanical stroke	Output method / single headoutput function
Maximumload: 12kg	Minimumwidth: 0.6m	Maximumwidth: 3m	Maximumheight: 3.6m	Maximumarea: 10.5㎡



System structure decomposition



FSS Roof Shades Solution

The system uses a stable tubular motor, which adopts a spring and a tubular motor. One end of the fabric is attached to the coil tube equipped with the spring, and the steel cable fixed at the other end is installed on the coil winding device equipped with the coil tube of the tubular motor. The motor provides power, and the spring provides rewinding elastic force, so as to keep the tight state during operation or rest. After the ceiling is completely opened, the fabric will be wound on the coil tube of the spring. The system selects roller curtain fabric with certain tensile strength. According to the different application situations, manual control, infrared remote control, radio remote control and intelligent control can be selected. The control modes can be controlled individually and in groups.

System characteristics

- 1.Scope of application :curved/curved/horizontal glass ceiling window
- 2.Performance: It can be stopped at any position in the middle. There are various control modes.
- 3.Installation requirements: width of each piece is 0.7-2.5m, length of each piece ≤5m is more appropriate,and single width ≤12m2
- 4.Motor: Tubular motor can choose motors with different torques according to length and width.
- 5.Control: radio remote control (single control or group control) manual switch, intelligent control
- 6.Shape: Linear/Arc/Trapezoid /S Type
- 7.Note: The middle bracket shall be added in the way of one-to-two or one-to-three and the universal joint shall be added when the transmission shaft line is broken. The maximum angle of the broken line is 130 degrees. When the arc structure is adopted, the cloth guide rod shall be added in the middle.

Schematic diagram of system structure

Domestic series	Model	Rated torque	Rated power	Rated voltage	Rated current	Rated speed	Protection level	Operating time	Maximum cycles
GVIEN	FTS-45	55N.m	250W	230V	1.089A	17rpm	Ip44	10min	55rpm
	FTS-59	110N.m	460W	230V	2A	17rpm	Ip44	10min	40rpm
DOOYA	FTS-45	50N.m	230W	230V	1A	12rpm	Ip44	10min	50rpm
	FTS-59	60N.m	310W	230V	1.35A	15rpm	Ip44	15min	70rpm
Import series	Model	Rated torque	Rated power	Rated voltage	Rated current	Rated speed	Protection level	Operating time	Maximum cycles
SOMFY	FTS-50	25N.m	180W	220V	0.95A	17rpm	Ip44	8min	46rpm
	FTS-60	55N.m	350W	220V	1.5A	17rpm	Ip4	47min	35rpm
	FTS-60	70N.m	390W	220V	1.9A	17rpm	Ip44	7min	35rpm

FTS Scroll Type Ceiling Curtain

The FTS motor has a separate brake coil, which can be controlled independently to achieve system operation. The voltage range is AC40V~130V, which can be controlled by an adjustable potentiometer. The main motor runs through the switch and the system moves forward. At this time, the auxiliary motor holding brake is released, but a reverse tension is generated to balance the system. After the stop command or the limit is reached, the system stops running. The final tension is achieved by the control box, which stops the main motor and holds it, and at the same time, reverses the auxiliary motor to obtain the final tension, which makes the system fabric taut.

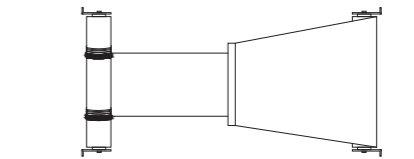
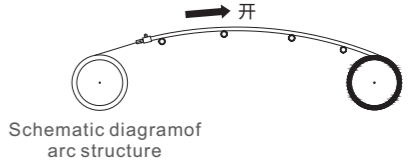
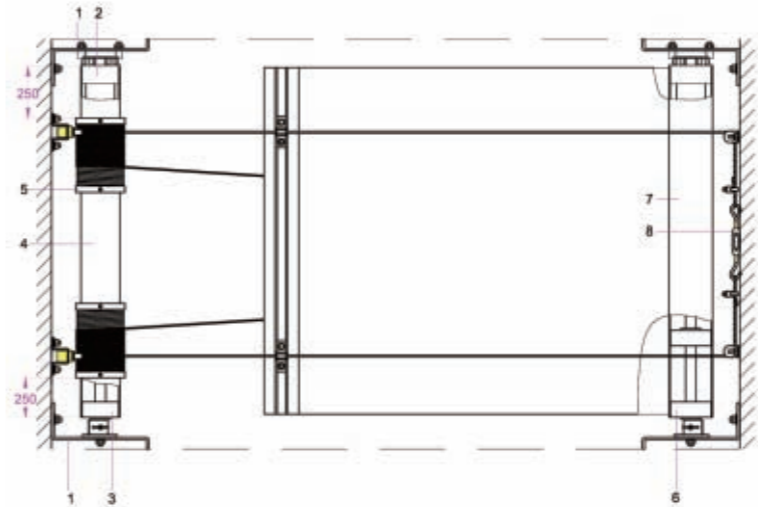
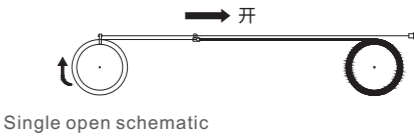
Product Features

- ◆ A single system supports a canopy curtain with a maximum span of 15 meters. A larger span and area can be achieved through the combination of multiple systems.
- ◆ The motor is a fast-adjusting mechanical limit, which is easy to debug
- ◆ The control box controls the motor to turn over to achieve the final tension, which makes the fabric tension better and prevents the fabric from sagging.
- ◆ Suitable for various types of canopy applications such as flat, inclined and curved surfaces, preventing the greenhouse effect in the glass dome space, and adjusting natural lighting
- ◆ The main feature of FTS is that the fabric is taut when opened, and has good concealment after being rolled up, and integrates with the building structure.
- ◆ FTS can be used outdoors and vertically. Waterproof measures must be taken when using outdoors.



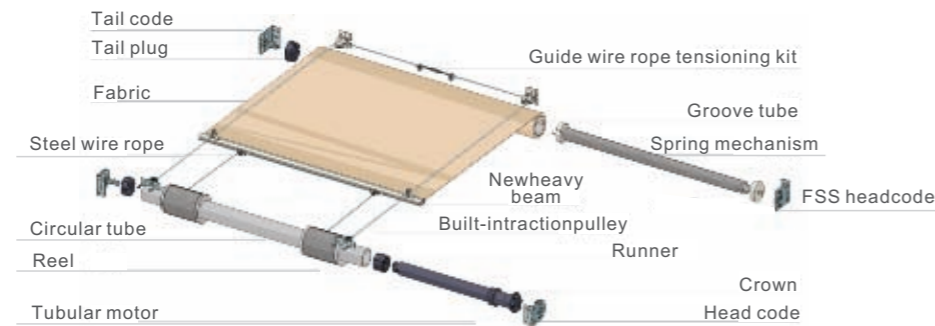
Control method

- ◆ Manipulator push switch control
- ◆ Infrared or radio remote control
- ◆ Multiple sets of awnings can realize single control or group control
- ◆ Can be controlled by computer platform



Ladder structure diagram

Fss Scroll Type Ceiling Curtain



Product Features

The FSS Motorized ceiling curtain system is designed for curved, horizontal, and sloping shading systems for both engineering and civil shading systems, including construction. Building surface, slope, elevation, arc surface, etc. FSS ceiling curtain system mainly consists of tubular motor and elastic tension system. One end is a drive shaft with a tubular motor inside. The other end is a driven shaft with a spring mechanism inside. The motor turns forward to drive the fabric forward. The spring at the other end gradually tightens and tenses the fabric. Shade fabric rolled back. It is easy to operate, low noise and smooth operation.

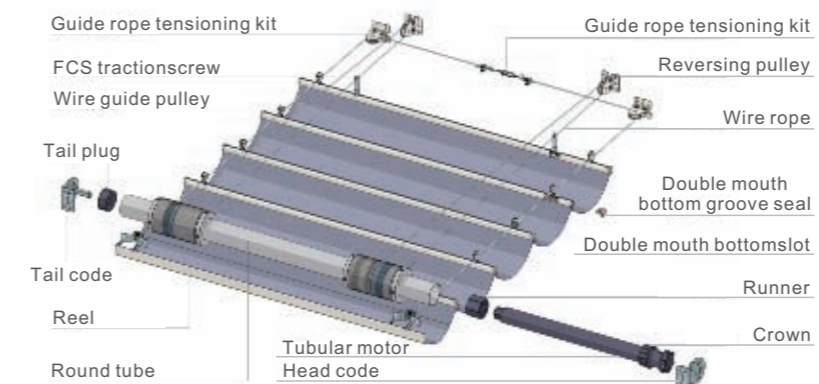
- ◆ The system uses a tubular motor and a spring system
- ◆ Motor provides power, spring system provides coil tension
- ◆ Fabrics remain tense when running or resting
- ◆ When using fabrics requires a certain amount of tensile strength
- ◆ FSS reel-type ceiling curtain for single-open mode, fabric expands with a slight sagging
- ◆ Can be made into a sloping, curved or trapezoidal ceiling curtain
- ◆ System travel up to 6m, maximum area of 15m², other sizes can be custom-made



Fcs Folding Type Ceiling Curtain

Product Features

Fcs folding type ceiling curtain is divided into single motor folding curtain and double motor folding curtain, the system is designed for horizontal or inclined skylight sunshade, used on vertical, horizontal, sloping glass window. A tubular motor or two track motors are used to drive the fabric retracting and releasing (should choose big tension sunshade fabric, also can choose folding or honeycomb curtain according to actual demand) to achieve the shading effect. The mechanism has less tension and is not required for the fabric. The scope of application is extensive.

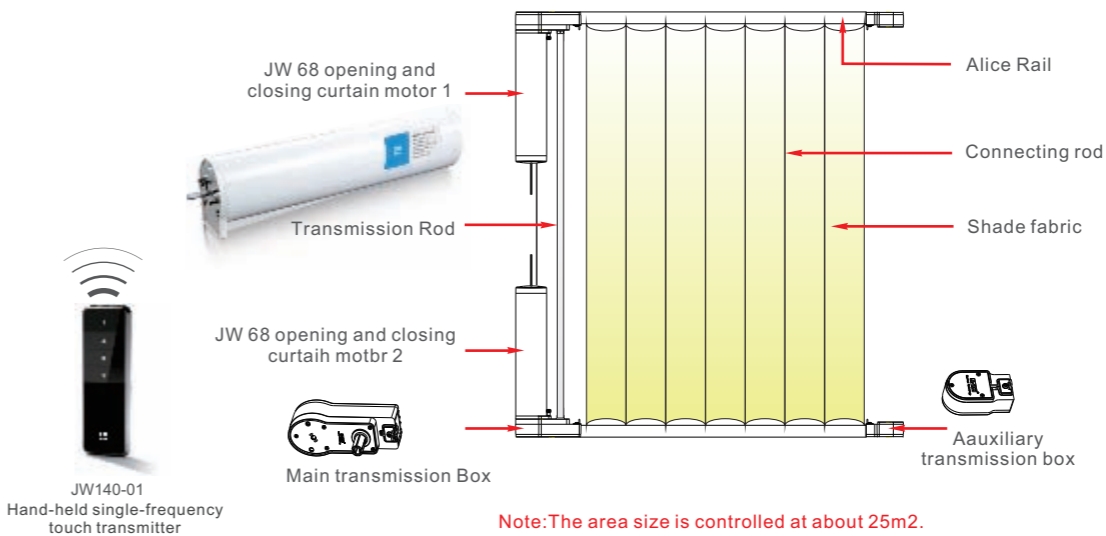


- ◆ Robot press switch control
- ◆ Outline or radio remote control
- ◆ Timing, light control, temperature control
- ◆ Controlled via a computer platform
- ◆ Multiple sets of curtains for single or group control





System structure decomposition



The system is "matched with JW6 hon-clutch curtain opening and closing motor and special transmission box mechanism. The system operates very quietly, bringing you a more perfect silent experience.

JW68's leading patented design scheme of the clutch-free curtain opening and closing motor enables it to have a number of humanized operation modes. Sometimes, the curtain opening and closing operation can be operated by operating the remote controller. At the same time, it supports the use of RS485/RS232 control, wireless remote control, pulse manual switch control, and multiple curtain opening and closing contact functions, etc.

Rail Type Folded Roof Curtain Solution

The rail type folded roof curtain system is used for an indoor double-track translational sunshade system of a glass curtain wall ceiling. It can be made into a plane, an arc curved surface or even a circular ceiling curtain. The mechanism has low requirements on the strength of buildings, low load, simple and convenient installation method, and can be matched with the curve of buildings. Each mechanism can use two radio stations or four motors according to the size of the building area. The system is widely applicable to the glass ceiling and other building structures of various large buildings, is convenient to adjust the indoor light intensity, maintains a suitable temperature, and adds to your elegant living environment.

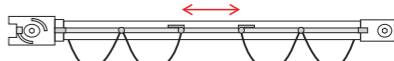
System characteristics

1. Scope of Application: Inclined/Curved/Horizontal Glass Ceiling Window
2. Performance: It can be stopped at any position in the middle. There are various control modes.
3. Installation requirements: width of each piece is 0.65-2.5 m, length of each piece is less than or equal to ≤ 10 m, which is more suitable, single width area is less than or equal to 25m².
4. Motors: motors with different powers are selected according to different lengths, and two or four motors can be used for each ceiling.
5. Control: radio remote control (single control or group control)/manual switch
6. Shape: Linear/Arc
7. Note: When selecting the arc mechanism, the minimum radius of the arc rail should be 350mm, and the arc height and arc length should be measured when measuring the length.

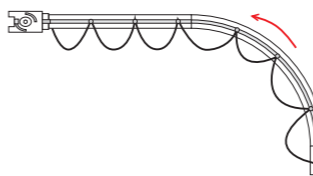
Single open



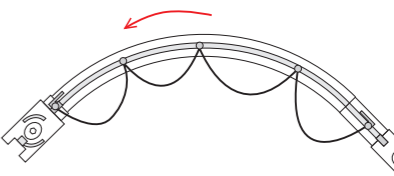
Dquble open



Folding type



Curved type

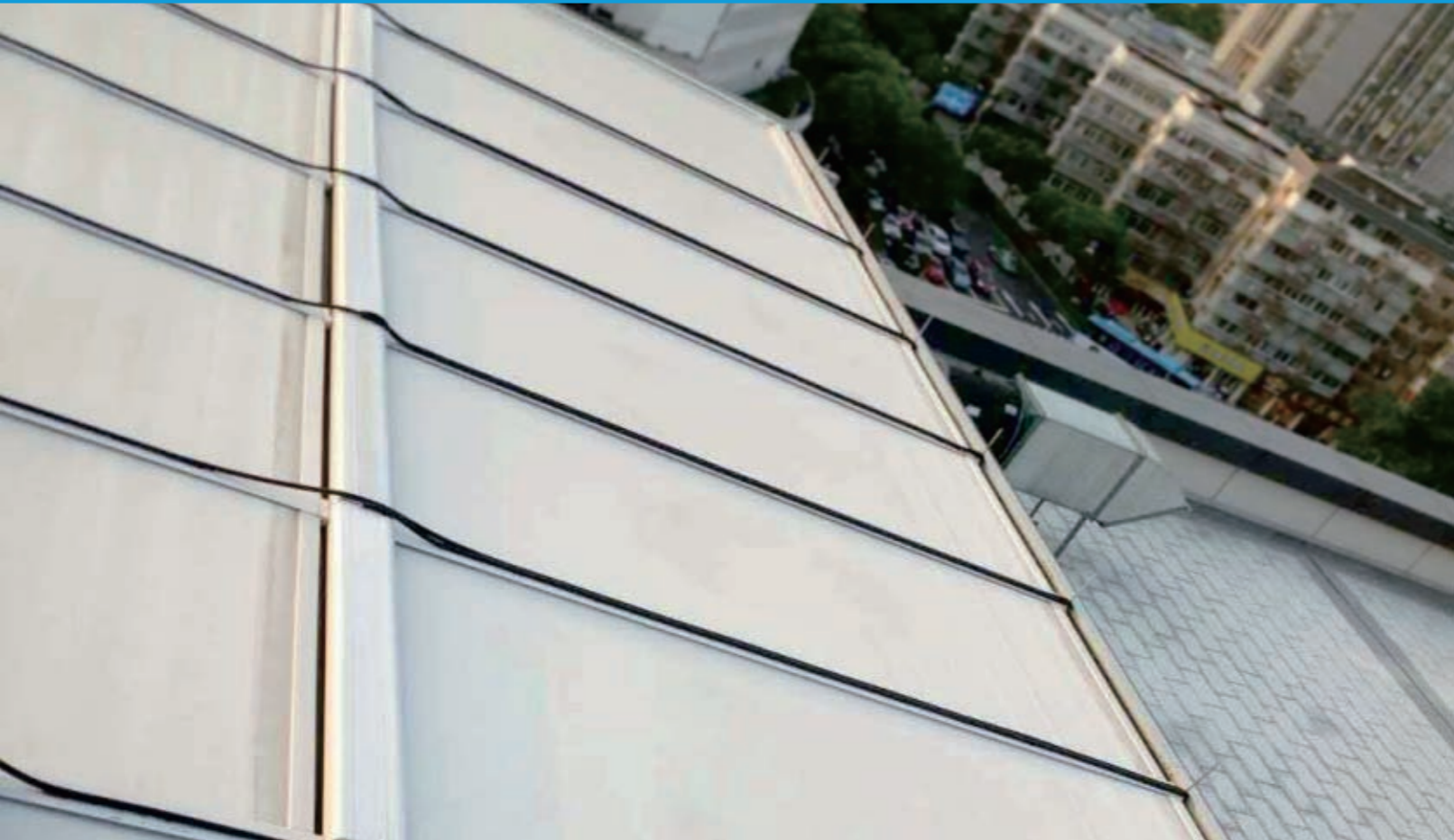


Schematic diagram of system structure

Product Series	Product Model	Rated Torque	Opening and closing speed	The length of motor	Rated Power	Brief description of functions
JW68 无离合柔性静音开合帘系列	JWCK-D-68	2N.m	12cm/s	316×68×53mm (L) (W) (H)	65W	Flexible, super silent design, multiple online functions automatically setting memory stroke Various control modes

**Solution of Indoor
Shading Electric System Solution**

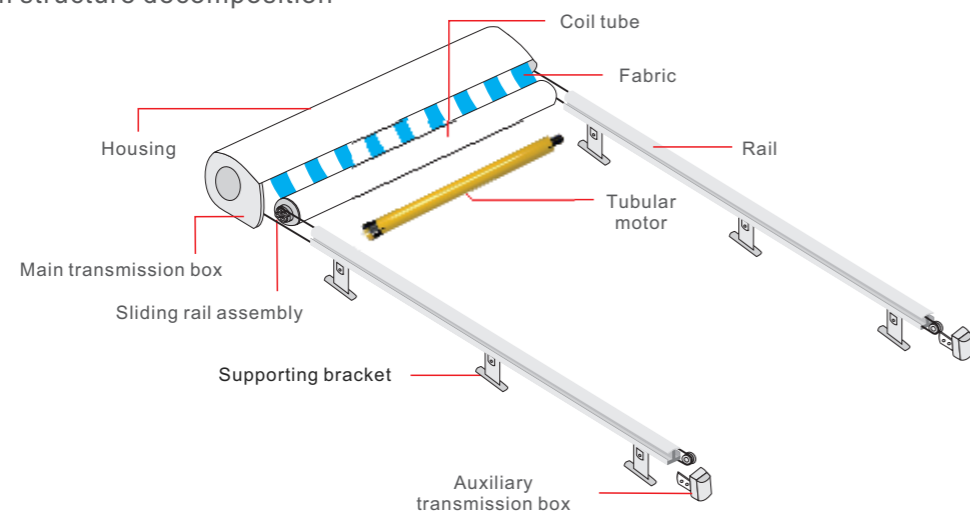




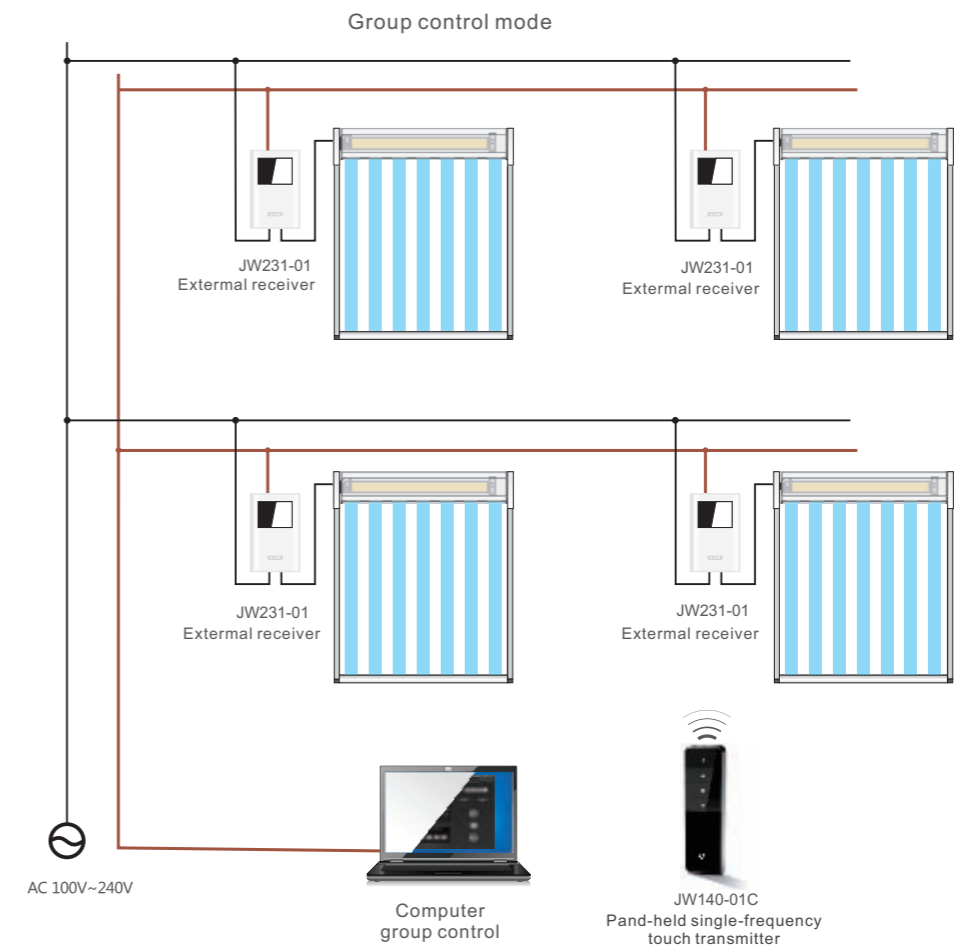
Outdoor Skylight Shades Solution

The outdoor skylight sunshade curtain system is composed of double tracks, tubular motors, wireless remote control, spring tension system, rain cover, fabric and other parts. It is extremely convenient to use and suitable for sun room, zenith sunshade, balcony sunshade and other places. Its convenient and durable features change your courtyard from sun room or balcony to outdoor activity space.

System structure decomposition



System solution



Guide rail material: aluminum alloy, surface electrostatic powder spraying, anti-corrosion, colorfast, long service life

System fabric: adopt wind-resistant, rain-proof and tensile fabric, with flexible choice of style and color

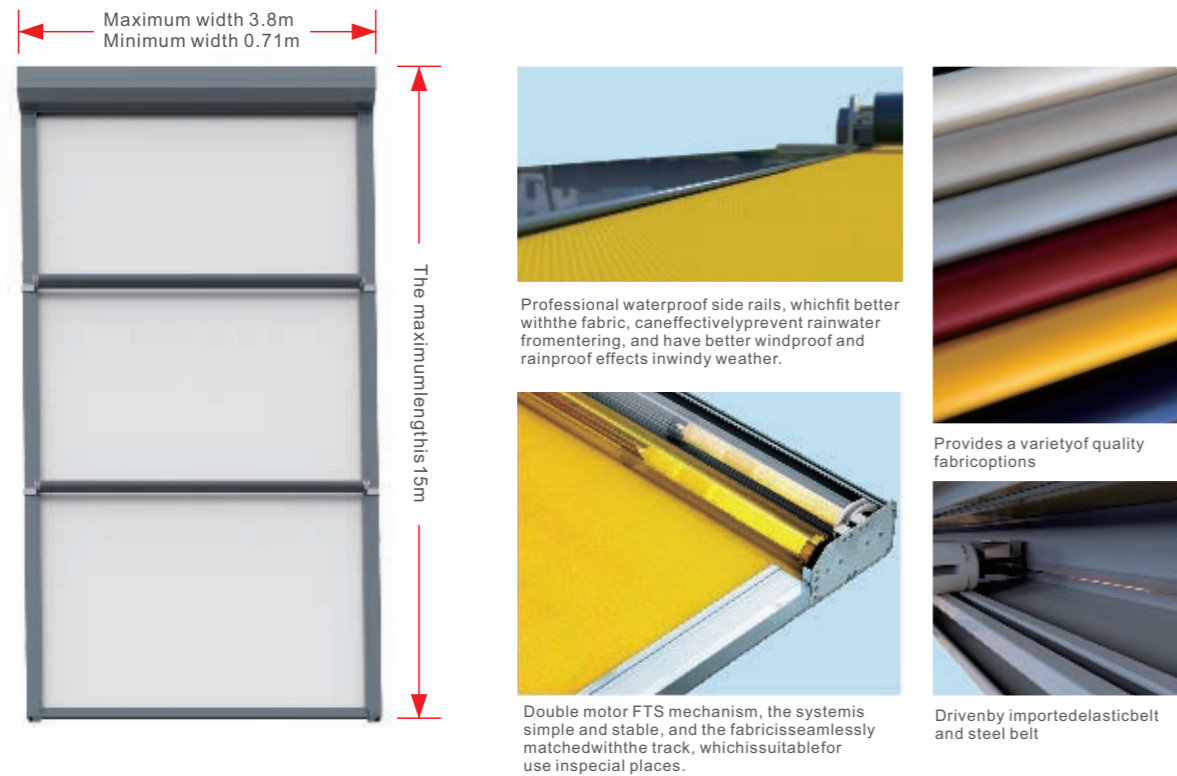
Shading effect: the best combination of glass houses, effective heat insulation can reach 70%

Control mode: wireless remote control, manual control, light control, temperature control and computer platform control. Multiple systems can realize single control or group control.

Schematic diagram of system structure

Product Series	Model	The length of motor	Rated Torque/rotation speed	Rated Power	Brief description of functions
JW45 Series	Standard motor	602mm	15/30 20/30 20/17 30/17 30/12 40/12 50/12	IP44	Mechanical limit, the maximum number of turns can reach 55
	Multi-point limit motor	584mm	15/30 20/30 20/17 30/17 30/12 40/12 50/12		Mechanical limit, built-in wireless reception, multiple travel points
	Built-in motor	602/702mm	15/30 20/30 20/17 30/17 30/12 40/12 50/12		Mechanical limit, built-in wireless receiver
	Internet motor	561mm	15/30 20/30 20/17 30/17 30/12 40/12 50/12		Electronic limit, built-in wireless reception, multiple travel points Support controlled By RS485/232
	Parallel motor	602mm	15/30 20/30 20/17 30/17 30/12 40/12 50/12		Mechanical limit, external receiving, multiple units used in parallel (2-50 units)

Outdoor Awning Dual Motor System

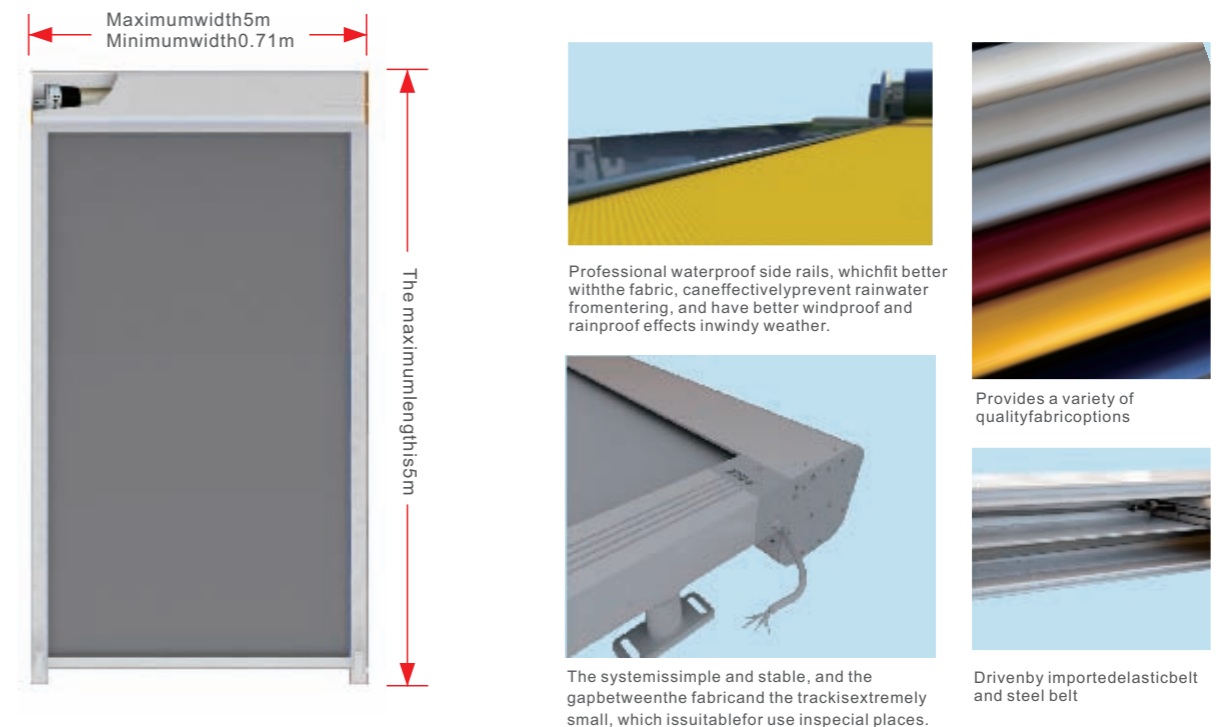


Product Features

- ◆ Control methods include manual control, remote control, group control, and wind and rain induction control (compatible with any brand central control system)
- ◆ Can be curved, isosceles, right-angled, trapezoidal, and other special-shaped canopies, with a wider range of applications and better suitability for various places
- ◆ Finished product organization, can be produced in factory, no need to debug on site
- ◆ The operation is double-motor driven, without any other auxiliary mechanism (such as spring, hydraulic, etc.), and the system is stable.
- ◆ Dual motor running to any position to stop is the state of fabric tension, which is more than 3 times that of ordinary sky curtain fabric tension, ensuring wind resistance



Single Motor System

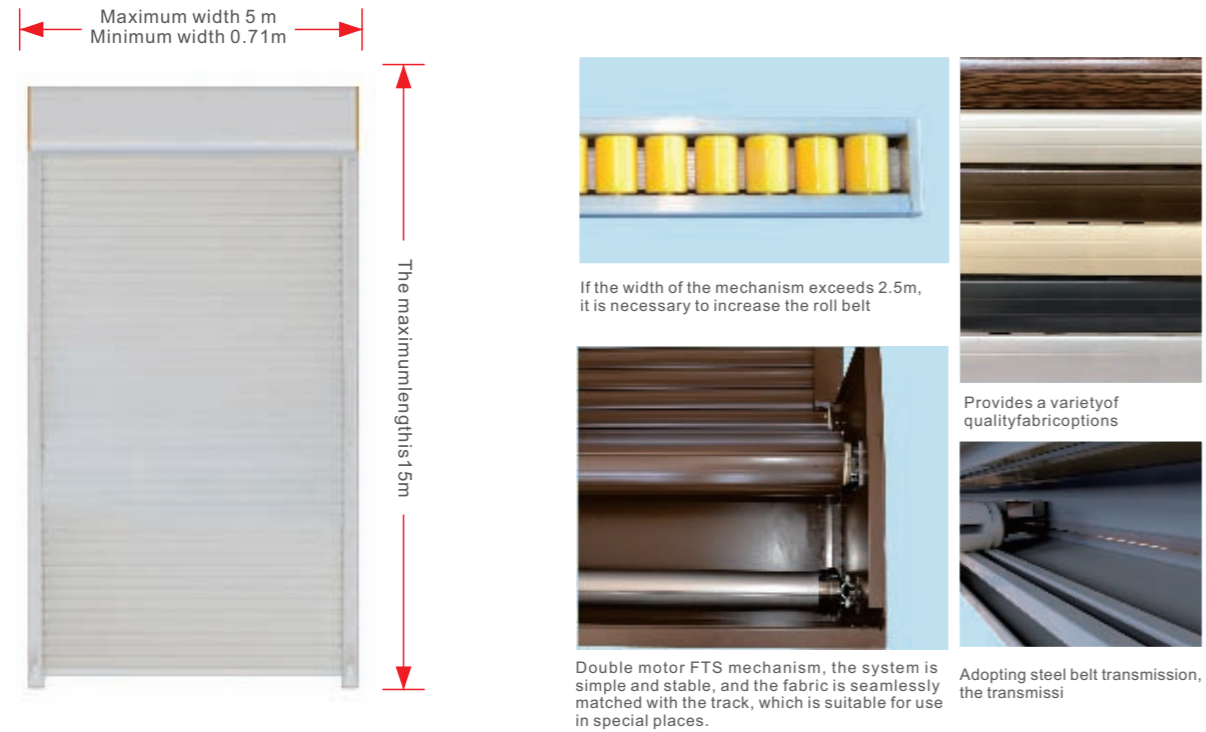


Product Features

- ◆ Control methods include manual control, remote control, group control, and wind and rain induction control (compatible with any brand central control system)
- ◆ Finished product organization, can be produced in factory, no need to debug on site
- ◆ The operation is single-motor driven, without any other auxiliary mechanism (such as spring, hydraulic, etc.), and the system is stable.
- ◆ When the motor is stopped at any position, the fabric is under tension, which can effectively prevent the fabric from sagging and ensure wind resistance.

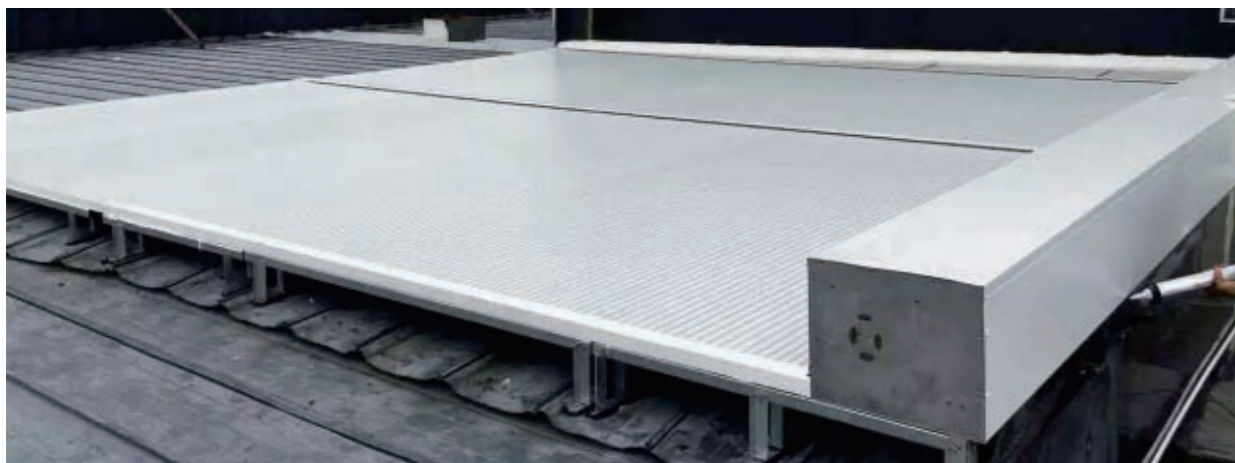


Outdoor Metal Dual Motor System

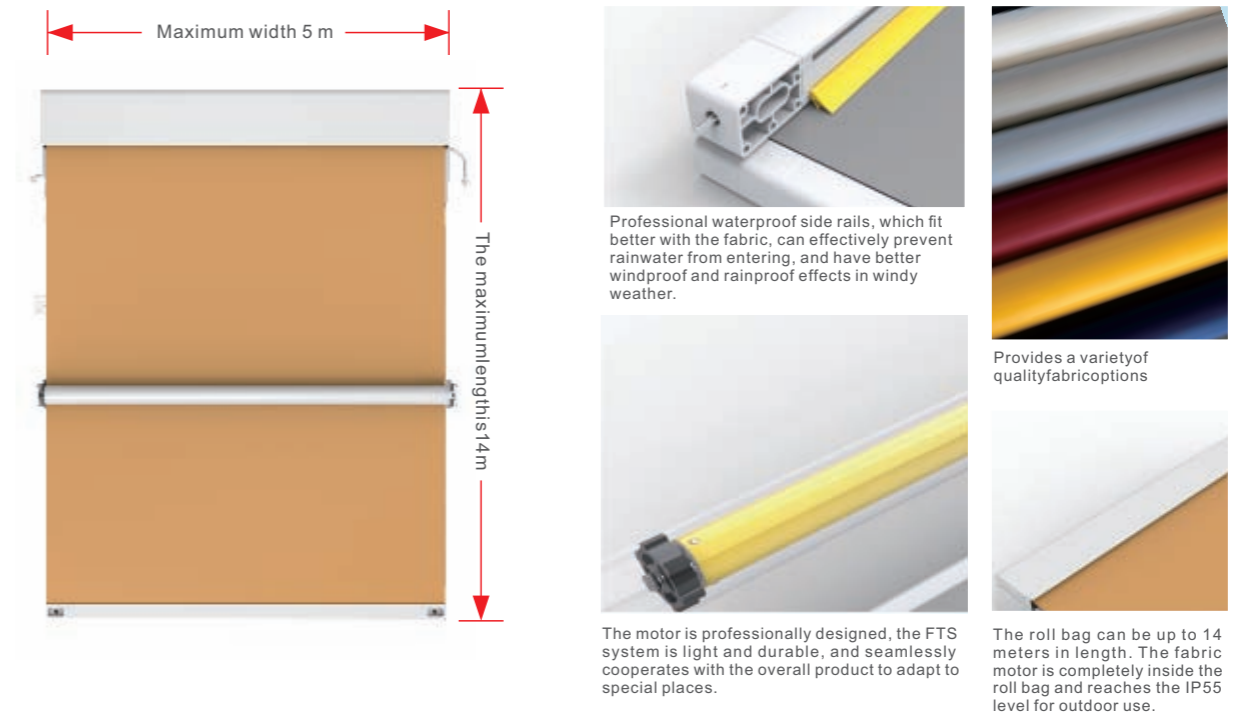


Product Features

- ◆ Dual motor FTS mechanism is used, the system is simple and stable
- ◆ Can be curved, isosceles, right-angled, trapezoidal, and other special-shaped canopies, with a wider range of applications and better suitability for various places
- ◆ Blade and track are seamless
- ◆ Finished product organization, can be produced in factory, no need to debug on site
- ◆ The interior is filled with fluorine-free polyurethane, which has a good thermal insulation effect, which can save energy for cooling and heating
- ◆ Strong wind resistance, durable, safe and anti-theft



Outdoor FTS Track Sky Screen

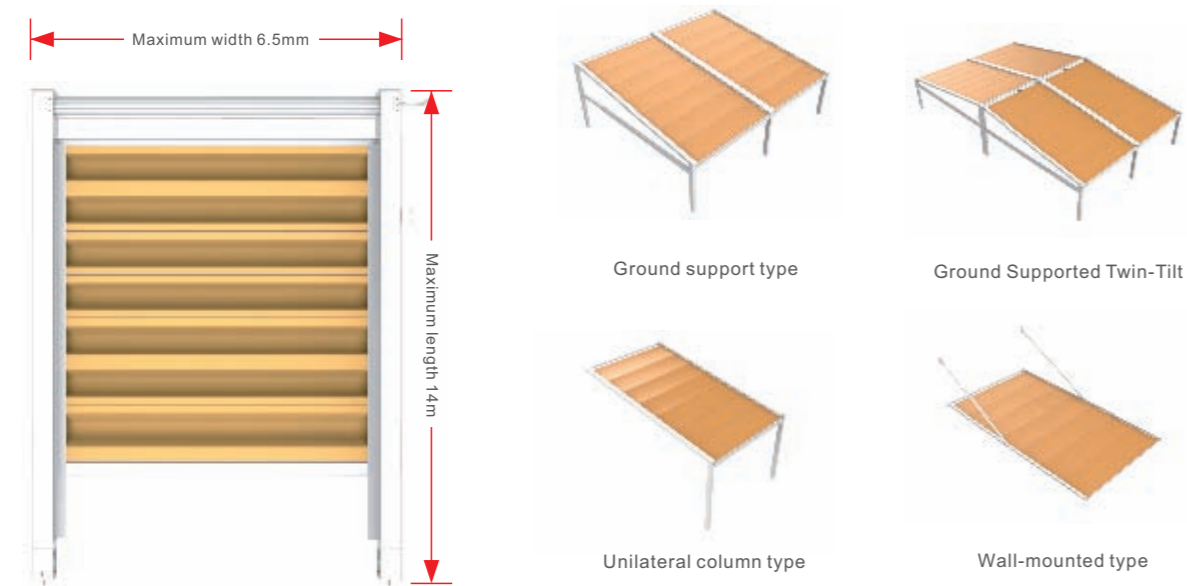


Product Features

- ◆ The maximum width of the mechanism is 5m and the maximum length is 14m
- ◆ Select dual motor FTS mechanism
- ◆ Super easy installation, more convenient and safe installation and removal
- ◆ All accessories are for outdoor use, all hardware is stainless steel, aluminum, anti-aging plastic parts, durable
- ◆ Folding type and FTS type can be used in the same mechanism, and the layout is diversified



Outdoor Waterproof Folding Curtain



Application form

Product Features

- ◆ The maximum width of the mechanism is 6.5m and the maximum length is 14m
- ◆ Super easy installation, more convenient and safe installation and removal
- ◆ All accessories are for outdoor use, all hardware is stainless steel, aluminum, anti-aging plastic parts, durable
- ◆ Folding type and FTS type can be used in the same mechanism, and the layout is diversified



Advertising Lifting Mechanism

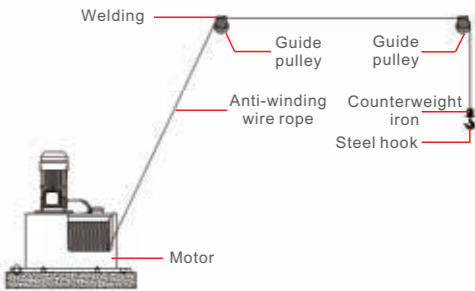


- ◆ Double protection of control system, using step-type remote control
- ◆ With upper and lower limit devices, the number of limit turns is adjustable, up to 250 turns
- ◆ Copper enameled wire movement
- ◆ New 4kg cylindrical counterweight iron, the wire runs more smoothly

Model	TM-PA500	TM-PA1000	TM-RV500	TM-RV1000
Rated lifting weight	500Kg	1000Kg	500/1000Kg	1000/2000Kg
Lifting height	40m	40m	40m	40m
Voltage frequency	220V/50HZ	220V/50HZ	220V/380V	380V
Input power	0.9KW	1.3KW	1.1/0.75KW	3KW
Insulation class	B1	B1	B1	B1
Working quota	20%10MIN	20%10MIN	20%10MIN	20%10MIN
Protection class	IP40	IP40	IP40	IP40

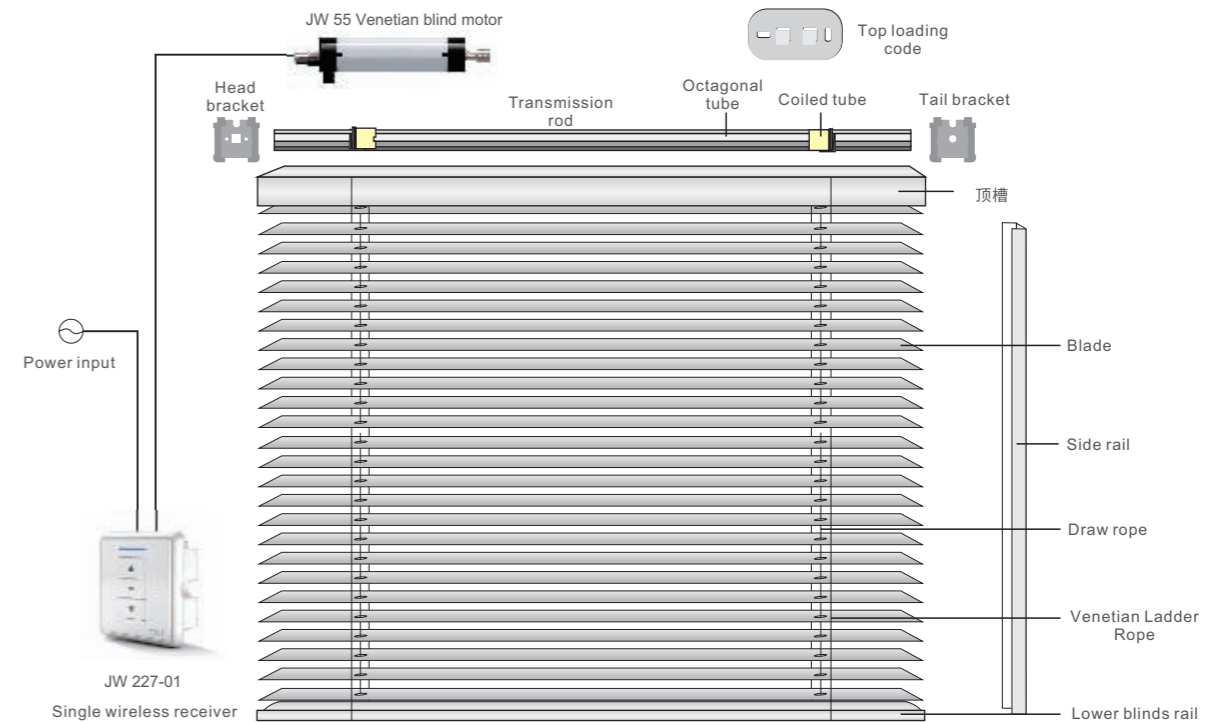


- ◆ All-in-one machine, with upper and lower limit device, with remote control, with manual
- ◆ 10.0 steel wire rope, 380V international pure copper core motor
- ◆ Super easy installation
- ◆ Turbine gearbox (overload will never fall), it is the first patented product in the industry.



Installationnode schematic





System structure diagram

Motorized Aluminum Venetian Blinds Solution

Outdoor motorized venetian blinds curtains are produced by special aluminum-magnesium alloy combined with anti-corrosion glazed paint process, which can realize manual or motor control. The product can adjust the light at any angle, and it can also be completely retracted, which is very suitable for installation outside doors and windows.

Outdoor shading blinds windows can reduce the main energy consumption of the selected model office by about 95%, which raises the question of whether it is necessary to use air conditioning or choose a lower power air conditioner, which saves the investment cost of air conditioning; using outdoor blinds, Users can reduce long-term operating costs.

Outdoor blinds can choose the most suitable control method according to different buildings, from simple switch / wireless control to accurate angle feedback building automatic control and remote web control, we have a full set of solutions.

System Features

Simplicity: The blinds can be completely stowed, the view outside the window is clear, and the windows are simple and generous.

Warm in winter and cool in summer: The material with good thermal insulation is used to effectively maintain the indoor temperature and achieve the goal of saving energy.

Control the incident light: Adjust the angle of the blade to control the incident light. You can adjust the blade to the most suitable position.

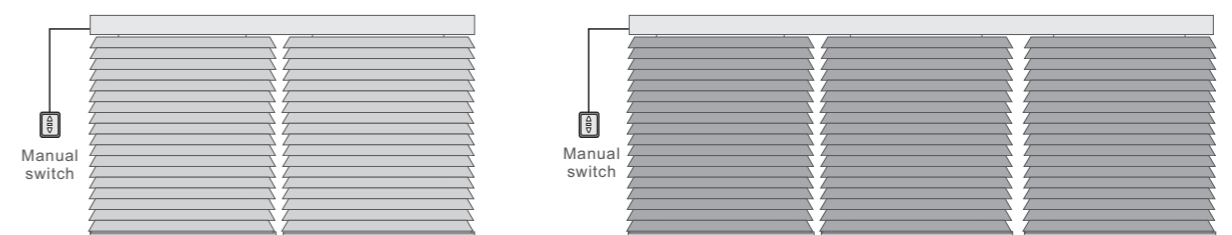
Easy to clean: Usually only need to wipe with a rag, please use a neutral lotion when cleaning, do not worry about discoloration and discoloration; waterproof shutters can also be washed completely with water.

Medium UV blocking: Effectively blocks UV rays from entering and protects furniture from the effects of UV rays and fading.

The unique cross-section design style, the blades are slightly curved on both sides. The commonly used materials are aluminum alloy blades and perforated aluminum alloy blades. The surface can be anodized and spray-treated. There are many color options.

The activity mode is divided into adjustable and fixed, adjustable angle 0-90 degrees, and can be installed horizontally or vertically. Driven by JW55 tubular motor and square motor, with low noise, stable, accurate and reliable. The angle adjustment of the louvers is driven by the motor to achieve different shading effects.

Realize wireless remote control, manual control, group control, wind, light, rain and other intelligent control.



One with two blinds aluminum electric installation

One with three blinds aluminum electric installation

Applicable Motor Matching Table

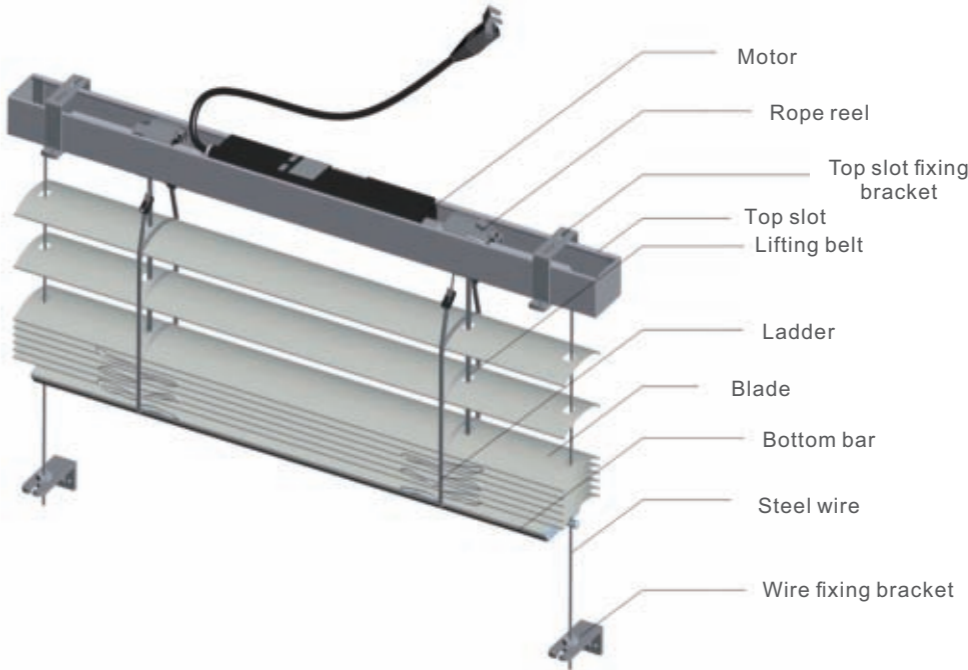
Domestic motor	Model	Rated Torque/rotation speed	保护等级	Brief description of functions
JW 55 series	55 electronic limit motor	6/35	IP44	Built-in electronic limit receiving function, suitable for smaller louvers.
Imported motor	Model	Rated Torque/rotation speed	保护等级	Brief description of functions
Geiger motor	GJ5603K	3/26	IP54	4 seconds running time, sound pressure is 34dB (A)
	GJ5606K			4 seconds running time, sound pressure is 35dB (A)
	GJ5610K			4 seconds running time, sound pressure is 35dB (A)
	GJ5620K			4 seconds running time, sound pressure is 40dB (A)



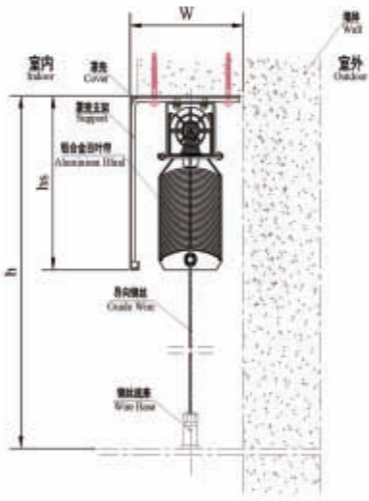
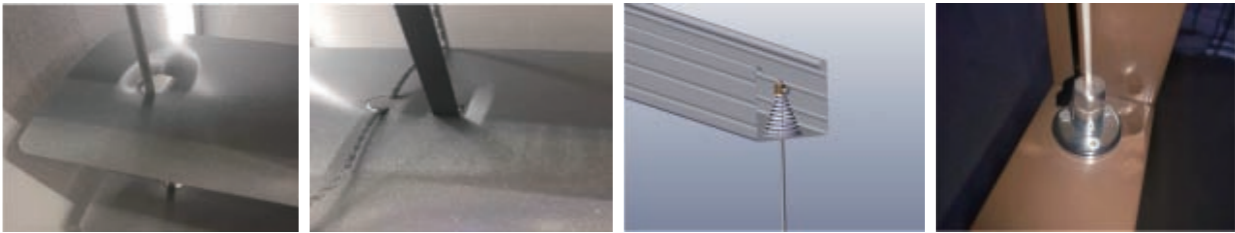
C series aluminum blinds

C series aluminum alloy blinds are suitable for installation between double glass curtain walls or outdoors. The blade is made of cold-rolled aluminum alloy strip, which has no curling edge, which greatly reduces the stacking height of the blade when it is stowed. The blades can be divided into full shading sheets and semi-shading sheets. The semi-shading blades are punched, and when the venetian blind is completely closed, you can vaguely see the outdoor landscape. C series aluminum alloy aluminum blinds generally use steel wire guides. The guiding device has simple vision, reliable structure and stable operation. The control method can choose manual or electric, no matter what method can be operated indoors.

Product structure



Schematic diagram of C series aluminum alloy blinds

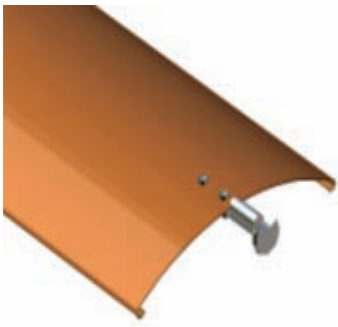


H(mm)	Hs(C80)(mm)	Hs(C60)(mm)	Hs(C50)(mm)	W(mm)
1500	188	207	223	160
2000	205	230	252	160
2500	223	255	282	160
3000	240	278	312	160
3500	258	303	341	160
4000	275	327	370	160
4500	293	350	400	160



New CR80 outdoor aluminum shutter

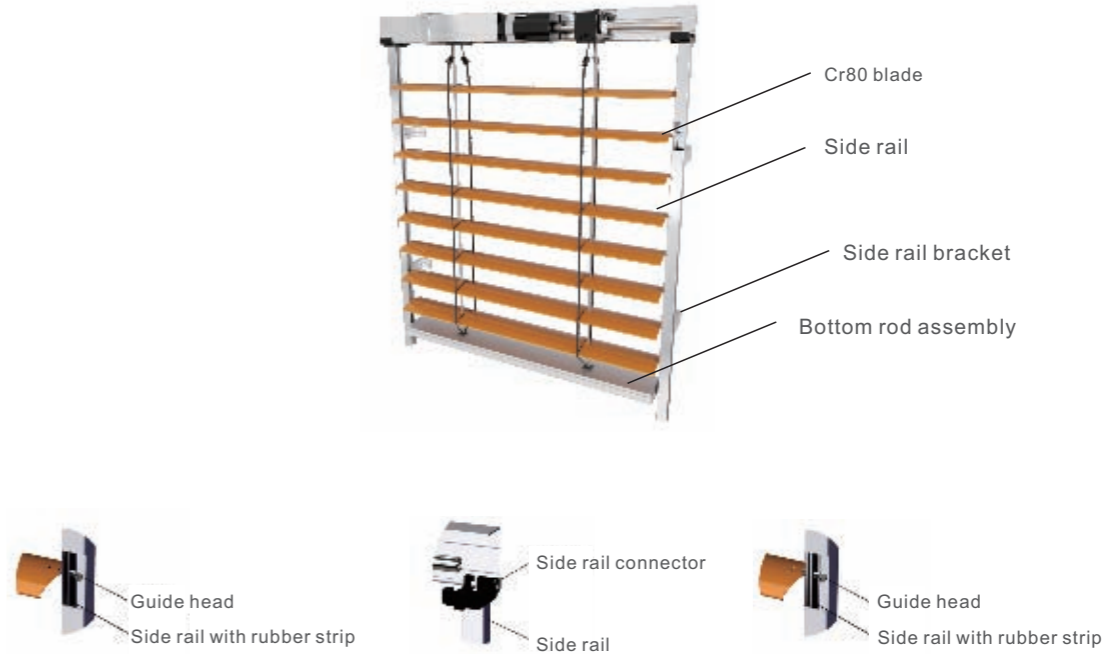
Cr80 aluminum alloy blinds are suitable for outdoor installation. The blade is made of aluminum alloy with cold rolling and crimping, which greatly increases the wind resistance of the system and can effectively resist wind power above level 6. CR80 aluminum alloy blinds can use side rail guides or wire guides. The steel wire guiding device has simple vision, reliable structure and stable operation. Compared with the steel wire guide device, the side rail guide device has stronger wind resistance and firm and reliable structure, and is more suitable for installation in occasions with strong wind resistance requirements. The control method can choose electric or manual, no matter what method can be operated indoors.



Cr80 blade



Cr80 outdoor aluminum blinds



Product structure



Beam inverted installation
The upper beam of the new CR80 aluminum alloy venetian blind adopts a flip-up solution, which can effectively reduce dust and rain. The influence of accessories in the upper beam improves the service life of related accessories.



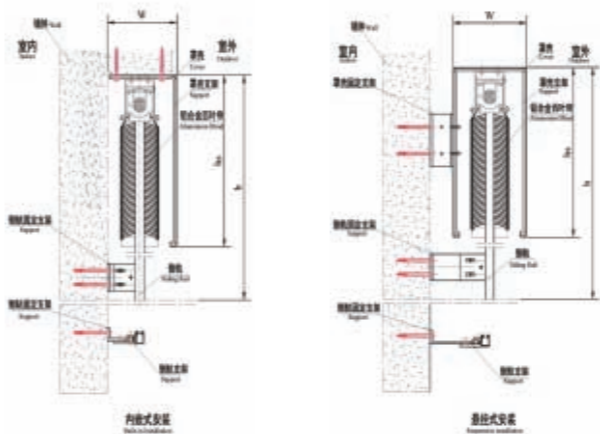
New blade opening style
The fixed hole of the blade ladder rope adopts a unique punching process, no ladder rope is needed, and the lifting belt is used to fix the mouth. The opening of the lifting belt on the blade also uses a unique punching process to effectively reduce the friction between the lifting belt and the opening of the blade, increasing the service life of the lifting belt.



Imported special rope reel
The new CR80 aluminum alloy venetian blind uses imported high-quality rope reel, which perfectly matches the upper beam. The material is excellent, with good weather resistance, and the design is reliable, which ensures the smooth operation of the blinds.



Metal guide head
The blade guide head is made of metal material, which can effectively improve the protection and decoration of the guide head and avoid the long-term exposure to wind, frost, rain and snow. Increasing the service life of the guide head is almost maintenance-free.



H(mm)	Hs(mm)	W(mm)
1500	170	150
2000	200	150
2500	220	150
3000	250	150
3500	270	150
4000	300	150
4500	340	150

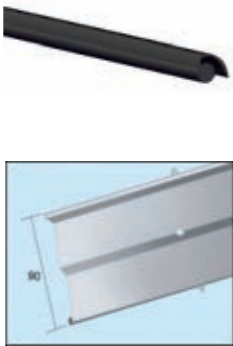


New CR90 outdoor aluminum shutter

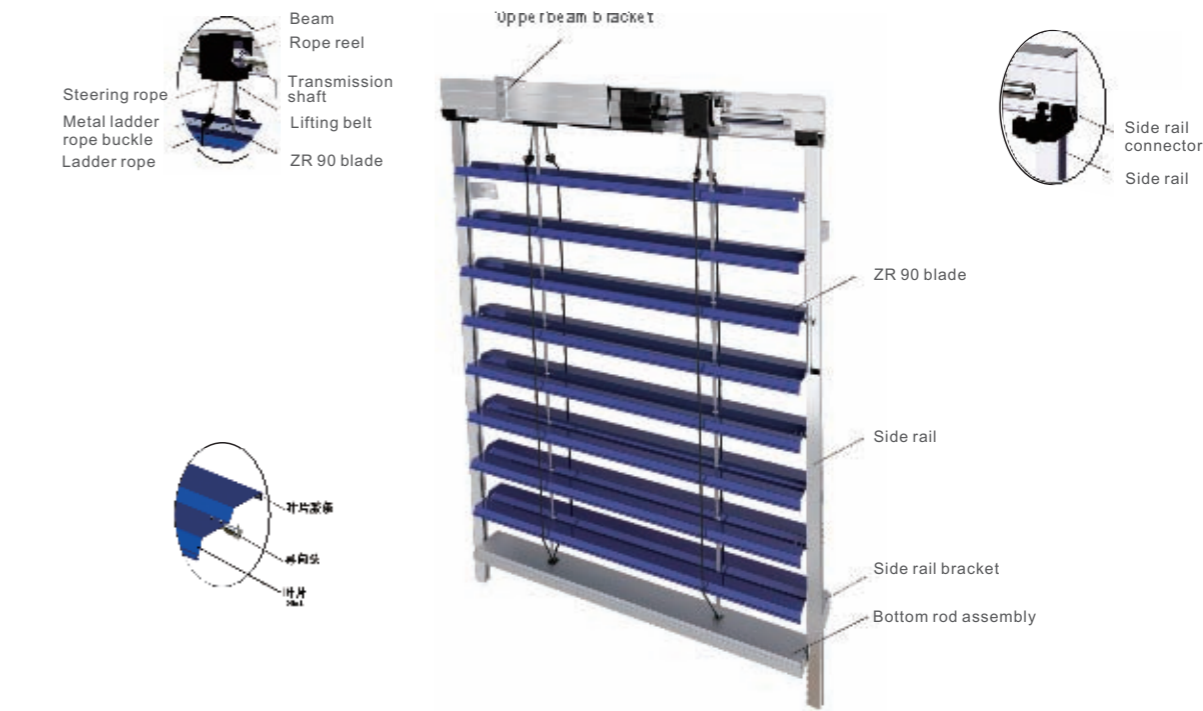
ZR 90 aluminum alloy blinds are suitable for outdoor installation. The blade is made of aluminum alloy with cold rolling and crimping, which greatly increases the wind resistance of the system, and can effectively resist wind power above 6 levels. ZR90 aluminum alloy venetian blinds use side rail guides. Its strong wind resistance, strong and reliable structure, suitable for installation in places with strong wind resistance requirements. The control method can choose electric or manual, no matter what method can be operated indoors. Zr90 aluminum alloy venetian blind blades are equipped with blade rubber strips, which can effectively reduce the noise when the venetian blind is closed.



Zr90 outdoor aluminum blinds



Zr90 blades



Product structure



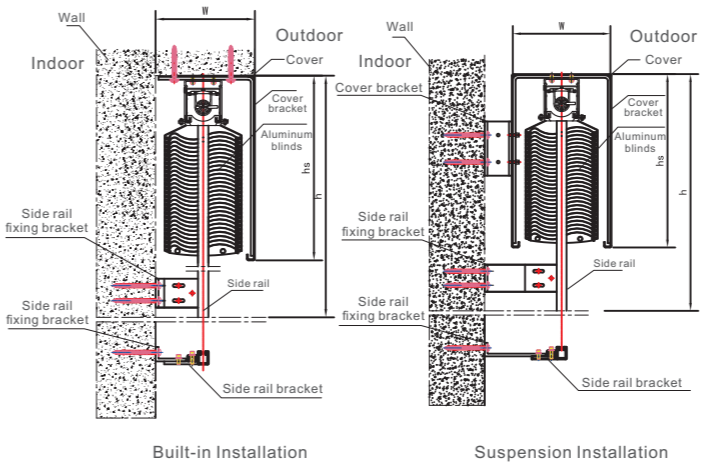
Imported special rope reel
The new CR90 aluminum alloy venetian blind uses imported high-quality rope reel, which perfectly matches the upper beam. The material is excellent, with good weather resistance, and the design is reliable, which ensures the smooth operation of the blinds.



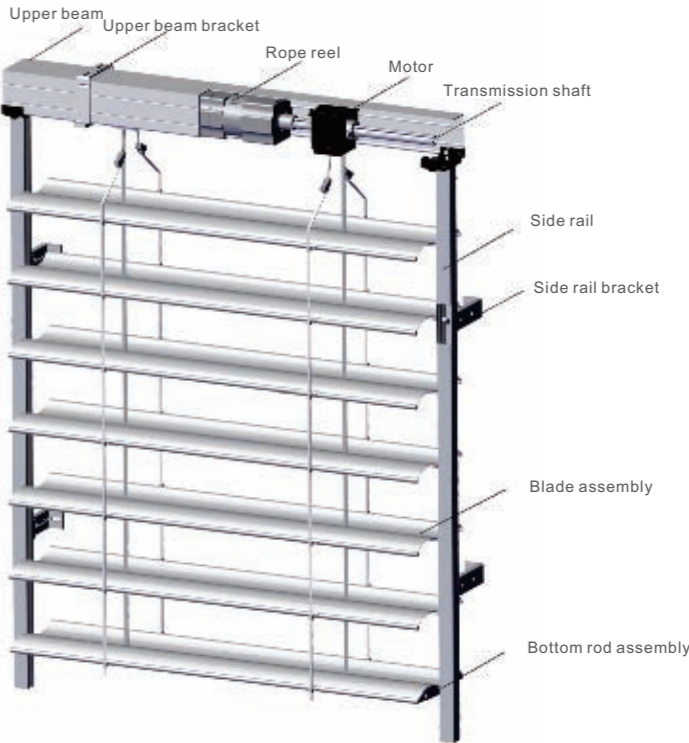
Upper beam inverted installation
The upper beam of the new CR90 aluminum alloy venetian blind adopts a flip-up solution, which can effectively reduce dust and rain. The influence of accessories in the upper beam improves the service life of related accessories.



Metal guide head
The blade guide head is made of metal material, which can effectively improve the protection and decoration of the guide head and avoid the long-term exposure to wind, frost, rain and snow. Increasing the service life of the guide head is almost maintenance-free.



H(mm)	Hs(mm)	W(mm)
1500	255	150
2000	295	150
2500	330	150
3000	365	150
3500	400	150
4000	440	150
4500	480	150



Schematic diagram of S120 outdoor aluminum alloy blinds

New CR120 outdoor aluminum shutter

S120 aluminum alloy blinds are suitable for outdoor installation. The blades are made of cold rolled aluminum alloy strips, which greatly increases the wind resistance of the system and can effectively resist winds above level 8. S120 outdoor aluminum alloy blinds are developed and manufactured for high wind pressure and high solar thermal conditions. The blade width is 120mm, and the special S-shaped blade cross-section structure provides unmatched stability to the blade. At the same time, it can provide users with a good view.

S120 aluminum alloy blinds use side rail guides. Its strong wind resistance, strong and reliable structure, suitable for installation in places with strong wind resistance requirements. The control method can be electric or manual, no matter which method can be operated indoors.

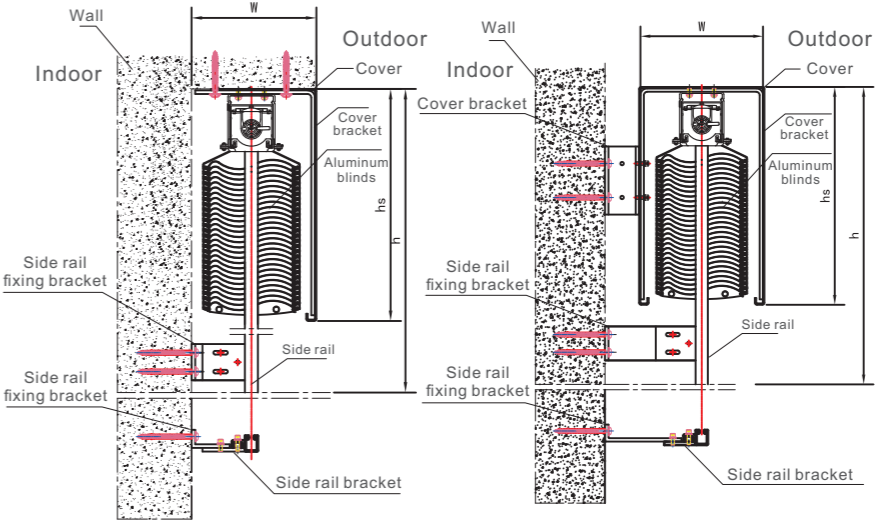
S120 aluminum alloy venetian blind blades are equipped with blade rubber strips, which can effectively reduce the noise when the venetian blind is closed.



S120 outdoor aluminum blinds



S120 blade



Built-in Installation

Suspension Installation

H(mm)	1500	2000	2500	3000	3500	4000	4500
Hs(mm)	240	270	310	340	380	410	450
W(mm)	180	180	180	180	180	180	180



Outdoor aluminum shade series

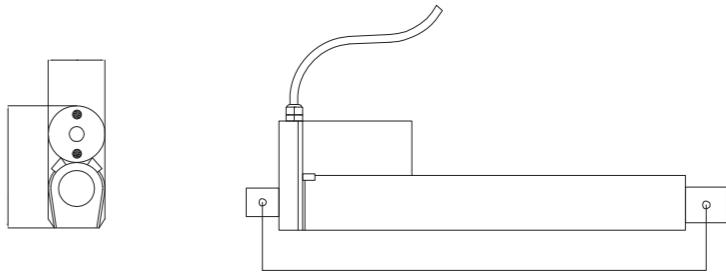
Product description

Sunshading board is an emerging outdoor sunshade product, which integrates sunshade and architectural decoration into the body, which is more in line with modern building energy saving and environmental protection requirements and architectural aesthetics, and is especially suitable for large public buildings and industrial buildings. The firm sun visor can be adapted to the horizontal, vertical or any other angle of the building plane. It has three driving methods: manual, electric and fixed. The main material of the shade can be aluminum alloy, glass, wood, etc. Shade blades are in various forms and can be customized according to design requirements.

Applicable Motor Matching Table

Domestic motor	Model	Rated Torque/rotation speed	Protection level	Brief description of functions
JW45 系列	标准电机	15/30 20/30 20/17 30/17 30/12 40/12 50/12	IP 44	Mechanical limit, external wireless receiver, maximum limit of 55 turns
	多点限位电机	15/30 20/30 20/17 30/17 30/12 40/12 50/12		Electronic limit, built-in wireless reception, can set multiple travel points
	内置电机	15/30 20/30 20/17 30/17 30/12 40/12 50/12		Mechanical limit, built-in wireless receiver
	网络电机	15/30 20/30 20/17 30/17 30/12 40/12 50/12		Electronic limit, built-in wireless reception, can set multiple travel points, support RS485 / 232 control
	并联电机	15/30 20/30 20/17 30/17 30/12 40/12 50/12		External reception with mechanical limit, multiple units in parallel (2-50 units)
Imported motor	Model	Rated Torque/rotation speed	Protection level	Brief description of functions
Somfy	LT50-6/17	6/17	IP 56	Optional travel, running speed 8-10mm / s, three different driving methods
Somfy	LT50-10/17	10/17		

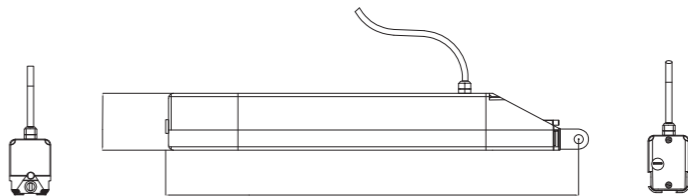
Push rod motor parameters



Working voltage	DC24V
Optional tour	Custom
Thrust/pull	750N
Maximum load current	1.8A
The running speed	8~10mm/s

Operating temperature	-10°C-+60°C
Continuous working time	10min
Limit switch	Built-in non-adjustable limit switch
Protection grade	IP53 , IP56

Push rod motor parameters

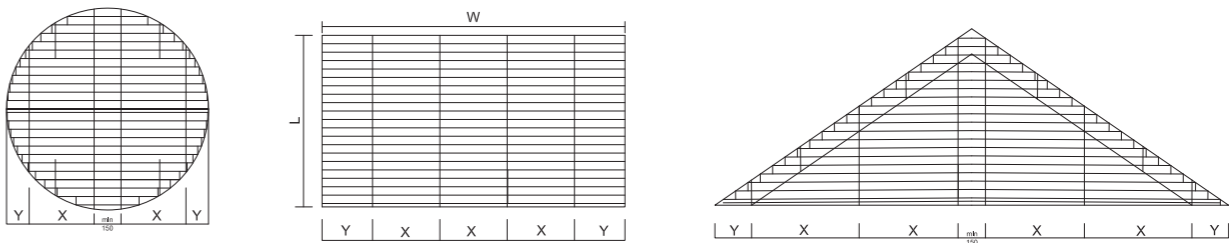


Working voltage	230V AC ±6%	24V DC ±6%
Optional tour	200/300/500mm	
Thrust/pull	450N (1000N 300mm)	
Maximum load current	0.22A	
The running speed	8~10mm/s (1000N 2.5mm/s)	

Operating temperature	-10°C-+40°C
Continuous working time	4min
Limit switch	DEC
Protection grade	IP55
Color	Silver grey



Schematic diagram of irregular scene application (circle, square, triangle, etc.)



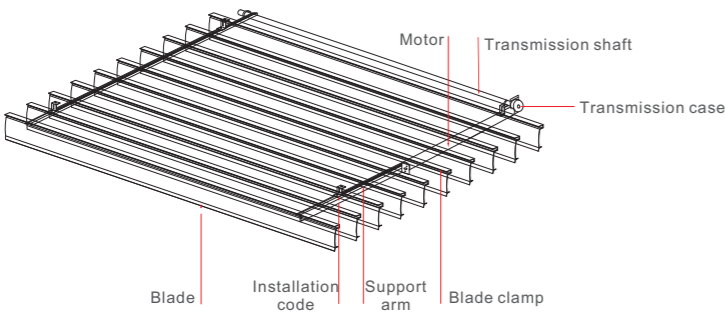
European blinds. Single panel blind size application range

Blade model	Blade specifications	Blade thickness	Theoretical weight	Maximum length	Maximum area
150D	148*15mm	0.8mm	0.43kg/m	3800mm	12m ²
88E	88*17mm	1.3mm	0.45kg/m	5000mm	16m ²
80C	80mm	0.45mm	0.1kg/m	4000mm	16m ²

European single panel louver

European blinds are made of high-strength aluminum alloy extrusion molding or aluminum belt pressure molding. The blades are curved and can be adjusted between 0 ° and 105 °. Different angles have different shades, dimming and ventilation, anti-full, and anti-effect . The European-style louver adopts a unique connecting rod drive mechanism and blade clamp design; it can be installed horizontally / vertically, and it also ensures electric shading of irregular surfaces such as triangles, trapezoids, and circles.

European blinds * Single panel blinds features



The European-style louver adopts a unique conjoined drive mechanism and blade clip design; it can be installed horizontally / vertically, ensuring electric shading on irregular sides such as triangles, diamonds, and circles.

Shuttle sun visor

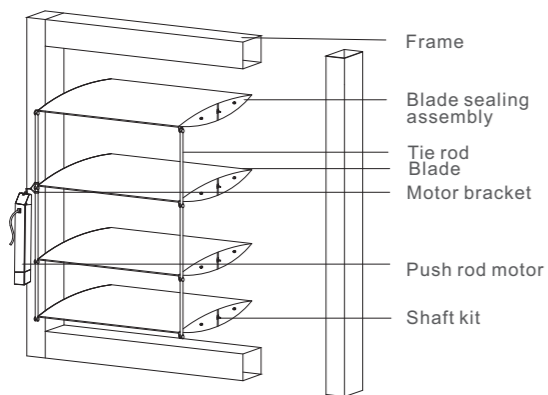
The fusiform sunshading board has a magnificent structure, high blade strength, a shuttle shape, and double arc surfaces. It perfectly fits the building decoration and is especially suitable for large-scale building shade.

Fusiform sunshading board features:

The cross section of the sunshading board is a hollow structure with high strength, which is especially suitable for the application requirements of large-span shading;
The adjustment angle of the sunshading board is 0 ° ~ 105 °, which can bring the best lighting effect to the indoor;
The product can choose to make fixed sunshading board and electric sunshading board, which is suitable for the shade requirements of various architectural forms.

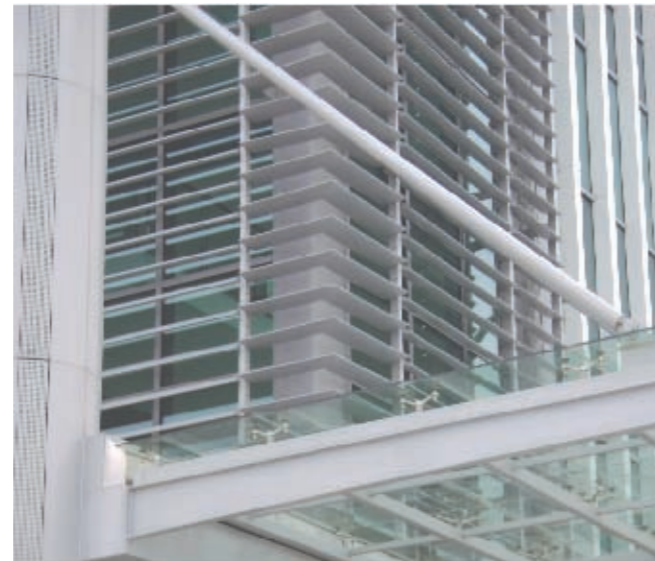
Product name	Blade specifications	Blade thickness	Theoretical weight	The maximum length	Maximum area
150 type fusiform blinds	150*24mm	1.3mm	1.47kg/m	2000mm	10m ²
200 type fusiform blinds	200*30mm	1.3mm	1.98kg/m	2400mm	12m ²
250 type fusiform blinds	250*38mm	1.8mm	3.40kg/m	2800mm	14m ²
300 type fusiform blinds	300*50mm	2.2mm	4.98kg/m	3000mm	16m ²
400 type fusiform blinds	400*60mm	2.8mm	7.06kg/m	3500mm	20m ²
450 type fusiform blinds	450*65mm	3.0mm	8.71kg/m	3800mm	20m ²
650 type fusiform blinds	650*78mm	1.8mm	9.28kg/m	4000mm	20m ²

Fusiform blind structure



Fusiform blades: the blades are extruded from aluminum alloy, with high strength, surface fluorocarbon spraying treatment, good corrosion resistance and beautiful appearance;

Fixed frame: aluminum alloy compression molding, surface fluorocarbon treatment, good corrosion resistance and beautiful appearance;



Fusiform blind technical parameters



150 type fusiform blinds



200 type fusiform blinds



250 type fusiform blinds



300 type fusiform blinds



400 type fusiform blinds



450 type fusiform blinds



650 type fusiform blinds



Glass shutter solution

The glass blind is made of single-layer or double-layer laminated glass. The shape is simple and elegant, with a modern sense. Adjust the angle of the glass to obtain different ventilation effects. The adjustment effect of the louver on the wind and wind direction can make indoor personnel enjoy the soft wind.

Glass blinds features

Wind guiding effect: Adjusting the blades has a strong guiding effect on the wind direction, so that the inside of the building will not be affected by the strong outdoor wind, and maintain proper ventilation at any time;

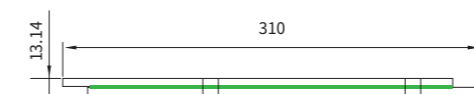
Rainproof: The glass shutters overlap and overlap and can cover the frame, with good rainproof effect;

Beautiful: glass louvers of different colors can be used to achieve decorative effects;

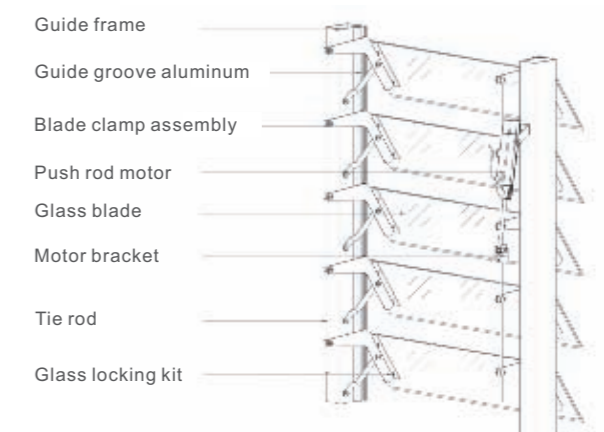
Simple: easy to install, easy to clean, each louver can be disassembled, and can be cleaned after disassembly.



125 Glass blinds



Compound connecting rod glass blinds



Glass blind size application range

Product name	Blade specifications	Blade thickness	Maximum length	Maximum height	Maximum area
125 Glass blinds	125*13mm	6+1.14+6mm	1500mm	3000mm	4.5m ²
Compound connecting rod glass blinds	310*13mm	6+1.14+6mm	1800mm	3000mm	10m ²

F

lat stomach solution

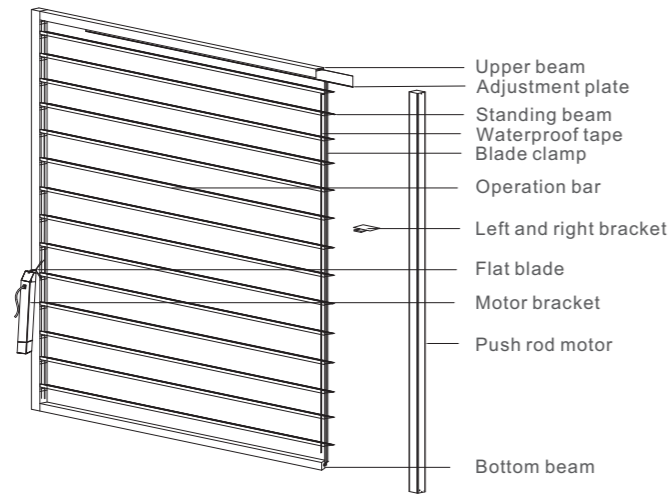
Flat louver is an upgraded product of traditional fixed louver. The unique hollow double-layer flat blade design makes the aluminum alloy flat louver more functions such as shading, ventilation, heat preservation, sealing, rainproof, fire prevention, anti-theft and so on.

Flat louver characteristics

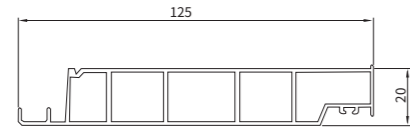
- ◆ Double-layer hollow structure, high tension and high strength, with partial anti-theft function when fully closed;
- ◆ Hidden connecting rod drive, blade rotation angle is adjustable from 0 to 105 °, with excellent dimming performance;
- ◆ There is a sealed slot between the blade and the connecting rod, a brush, and a rubber strip between the blades. When fully closed, the double-layer hollow structure can maintain the indoor temperature, isolate the outdoor high temperature, and reduce the external noise by more than 30 decibels;
- ◆ The product has the characteristics of precision and reliability, suitable for finished production, and can be installed horizontally and vertically.

Flat louver size application range

Product name	Blade specifications	Blade thickness	Theoretical weight	Maximum length	Maximum area
125 type flat louver	125*20mm	1.6mm	1.23kg/m	1800mm	6m ²



Motor drive: The motor drives the operation bar, and the operation bar moves up and down, driving the blade clamp to adjust the angle of the louver to achieve dimming.



M

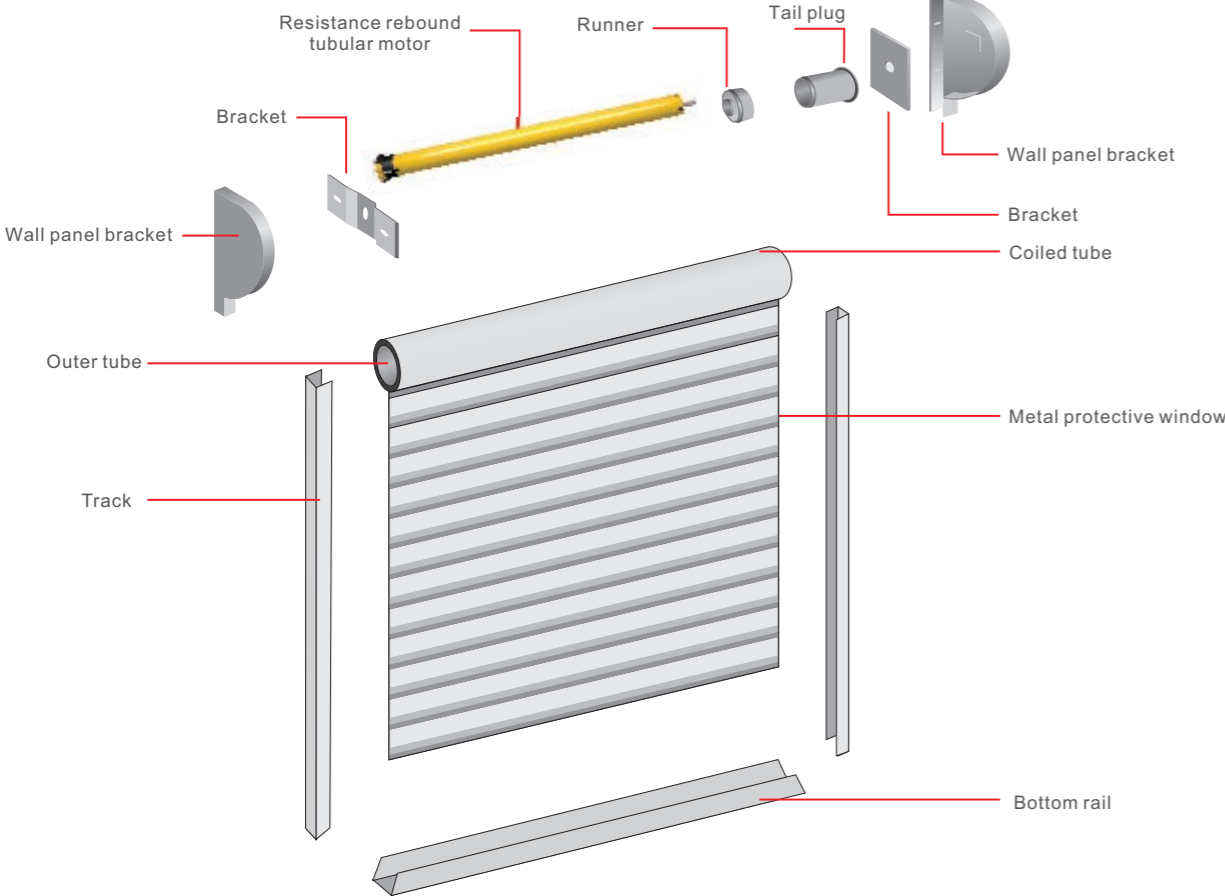
otorized Roller Shutter Solution

Electric roller shutter windows have the advantages of beautiful and concise appearance, firm and durable structure and so on. It is suitable for office and home window shading, especially for large area glass curtain wall roller blinds. When the roller blind fabric is put down, it can soften the indoor light and avoid the direct sunlight. It achieves a good shading effect; when the roller blind is raised, its volume is so small that it is not easy to be noticed. Roller blind fabrics include semi-shading roller blinds, semi-transparent roller blinds, and full-shading roller blinds, which can be determined according to the window position and usage.

System Features

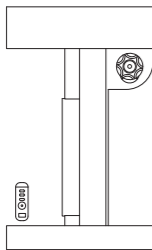
- ◆ Energy-saving and heat-insulation: Xiafu energy-saving roller shutter can block the outdoor sunlight, cut off the temperature into the room, and play the role of heat insulation and shading. In winter, it also plays a role in ensuring that the indoor temperature does not convection with the external connection, and the indoor heating effect is ensured. When all are turned on, no heat load will be generated, and lighting, ventilation, and ventilation are both available. The economic benefit is superior, according to the annual power consumption of air conditioning or heating equipment saved by the family. The cost can be recovered within 10 years.
- ◆ Modern lifestyle: By opening and closing the roller shutters, you can control the indoor light to prevent your eyes from receiving light damage, and the expensive homes in the house are protected from fading by sunlight. Press the shutter remote control to see his Move up and down freely to improve the quality of life and enhance the fun of life.
- ◆ Windproof and anti-theft: Aluminum alloy material is durable. Especially suitable for coastal areas, long sunshine, and strong ultraviolet rays. In cities with high temperatures, long summers, and typhoons, it is safe to install roller shutter windows.
- ◆ Sound insulation: Roller shutter windows will reduce the invasion of outdoor noise, reduce noise pollution, improve the quality of life, and create a good rest space.
- ◆ Blocking curiosity: the opening design of roller blind curtains. Not only can maintain indoor ventilation, but also can block dust and debris outside the house.

System structure decomposition

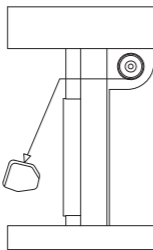


Wind Proof Rolling Curtain solution

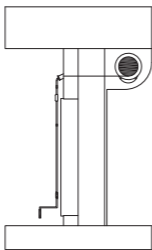
The anti-off and windproof roller blind is a sunshade product improved and upgraded on the basis of ordinary electric roller blind products. It is a facade electric roller blind that can be used outdoors and indoors. The vertical edge of the curtain and the fabric anti-off mechanism are hot-melted with hot-melt adhesive tape. The effective combination of fabric and mechanism as a whole is an excellent product integrating heat insulation, sun shading, light adjustment, privacy protection, wind protection and ultraviolet radiation protection.



Electric



Manual belt



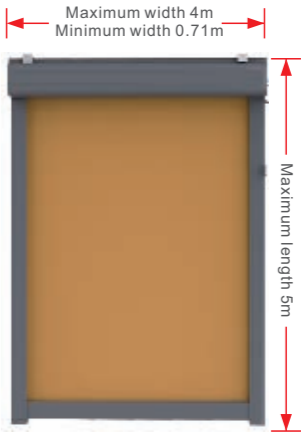
Manual crank

Applicable Motor Matching Table

Series type	Model	Rated Torque/rotation speed(rpm)	Insulation class	Brief description of functions
JW 45 Series	JW45 Standard motor	20/17 30/17 40/12 50/12	IP44	Mechanical limit, the maximum number of limit turns is 50 turns
	JW45 Built-in motor			Mechanical limit, built-in wireless receiver
	JW45 Multi-point limit motor			Built-in electronic limit receiving function, can set 6 limit points
	JW45 Resistance rebound motor	10/17 20/17 30/17		With resistance rebound function, protect the system and user safety
	JW45 Network motor	20/17 30/17 40/12 50/12		Support RS485 / 232 computer control, easy to integrate central control
Series type	Model	Rated Torque/rotation speed(rpm)	Insulation class	Brief description of functions
Geiger Motor	M45F100	10/16	IP44	Continuous working time of 4 minutes, ultra-quiet and smooth operation
	M45F101	20/16		
solus	solusPA6/12	6/12		With overheat protection function
	solusPA10/12	10/12		

Control method

- ◆ Manipulator press switch control
- ◆ Infrared or radio remote control
- ◆ Can be timing, light control, temperature control
- ◆ Can be controlled by computer platform
- ◆ Multiple sets of roller blinds can realize single control or group control

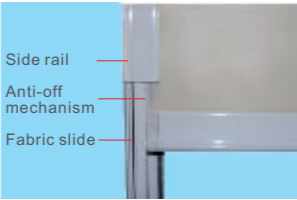


Product Features

The roller blind is carefully designed to effectively prevent strong light and ultraviolet radiation, completely solve the greenhouse effect of sunlight on the indoor, and is suitable for various climate and weather changes. After testing, it was revealed that the roller blind's occlusion rate of sunlight was 90%.



The new aluminum alloy side rails are more rust and corrosion resistant, and the fabric runs more smoothly.



Professional fabric anti-off mechanism, equipped with unique rail groove technology, so that the curtain is always kept in the shading track.

A modern living room with a large window, a yellow armchair, a white sofa, and a round ottoman. The room is bright and airy, with a view of a city skyline. A semi-transparent blue box is overlaid on the right side of the image, containing the text "Sensor,Control System".

Sensor,Control System

JW140 HAND-HELD Emitters With Touch Screen



Function characteristics

- ◆ Using capacitive touch keys has high stability and strong anti-interference capability.
- ◆ The RF transmit power is 10mw, which is compatible with all A-OK receivers.
- ◆ Super low standby power consumption design,CR2450 button cell power supply,can be used for more than two years

Produd parameter

Product parameter	Product model	Battery type	Emissio ncurrent	Emission frequency	RF modulation mode	Working temperature
JW140-01/02/06	3V CR2450	≤18mA	≤10mW	433.92MHz	ASK	-20℃~+55℃

JW123 HAND-HELD Emitters
HAN



Function characteristics

- ◆ Following the simple fashion, the surface is baked with piano paint, showing elegance and elegance.
- ◆ Both black and white configurations are available for your choice, suitable for various decoration styles.
- ◆ High hardness acrylic panel ensures perfect appearance.
- ◆ Universal button cell CR2032 is easy to purchase and install.
- ◆ Super low standby power consumption design, battery life up to 2-3 years

Produd parameter

Product parameter	Electricity type	Emission current	Emissio power	Emission frequency	RF modulation mode	Working temperature
JW123-01/02/06/16	3V CR2032	≤18mA	≤10mW	433.92MHz	ASK	-20℃~+55℃

JW114 HAND-HELD Emitters



JW114-01
Single-channel hand
held wireless transmitter



JW114-02
Double-channel
handheld wireless transmitter



JW114-06
Six-channel hand held
wireless transmitter



JW114-16
Sixteen-channel handheld
wireless transmitter

Function Characteristics

- ◆ Simple appearance can be applied to different decoration styles
- ◆ Split-type keys with backlight make it easier to switch up, stop, down and channel.
- ◆ Equipped with wall type fixing seat
- ◆ The panel is made of high-grade wear-resistant and scratch-resistant materials, AAA battery, easy to install and purchase.
- ◆ Energy-saving design, battery can be used for 3-5 years.

Produd parameter

Product parameter	Electricity type	Emissio ncurrent	Emissio power	Emission frequency	RF modulation mode	Working temperature
JW114-01/02/06/16	AAA×2 (3V)	≤18mA	≤10mW	433.92MHz	ASK	-20℃~+55℃

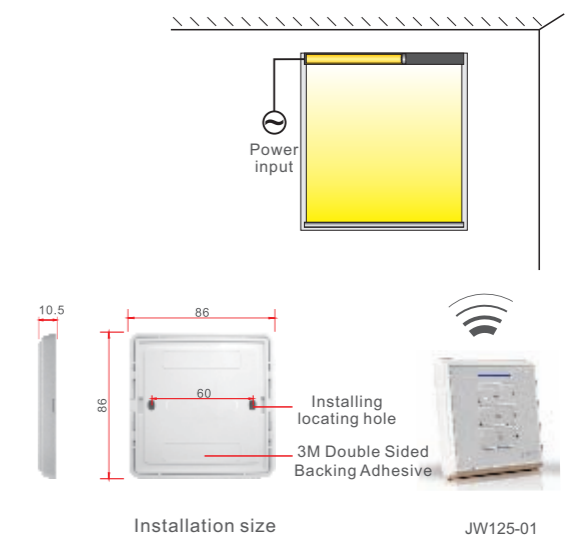


JW125-01 Crystal type single channel emitter

It is easy to realize intelligent operation, can be held by hand, can be installed on wall surface, is more convenient to use, and the launching distance can reach more than 80m.

Function Characteristics

- ◆ The key adopts built-in dark silver silk screen printing, which is beautiful and wear-resistant.
- ◆ The panel is made of scratch-resistant acrylic with built-in LED light guiding lamp posts. The light is soft and even.
- ◆ The frame is treated with piano baking paint, which is noble and elegant.
- ◆ The back is attached with 3m environment-friendly adhesive, which is extremely sticky and can be fixed at any position on the wall.
- ◆ No wiring is needed to avoid damage to the wall. Precision SMT technology. Surface moisture-proof treatment



Produd parameter

Product parameter	Battery type	Emission ourrent	Emissio power	Emission frequency	RF modulation mode	Stangdly power consumption	Working temperature
JW125-01	3V CR2430	≤10mA	≤10mW	433.92MHz	ASK	< 5uA	-20℃~+55℃

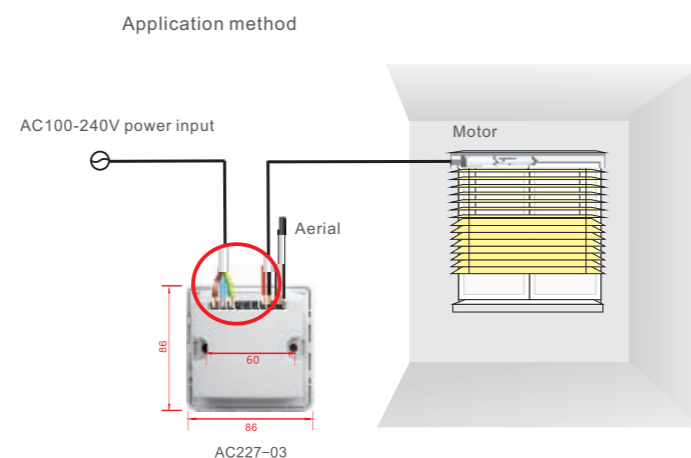


JW227-03 Crystal Style DC Motor Radio Receiver

It is suitable for electric roller shutter, electric awning, electric screen and other related products. It has manual control of up, stop and down functions, simple operation and reliable performance.

Features

- ◆ Heart wide voltage 100-240V input, DC24V (optional DC12V) low voltage output
- ◆ Suitable for DC motors with power below 50W
- ◆ Switching power supply circuit design in strict accordance with R & TTE specifications to reduce interference to high-frequency receiving modules
- ◆ Easy to switch between jog / linkage, can realize precise dimming action of venetian blind



Product parameters

Product model	Operating Voltage	Operating temperature	Receiving frequency	RF modulation method	输出电压	Load power
JW227-03	100~240V 50/60Hz	-20°C~+55°C	433.92MHz	ASK	24V	< 50W



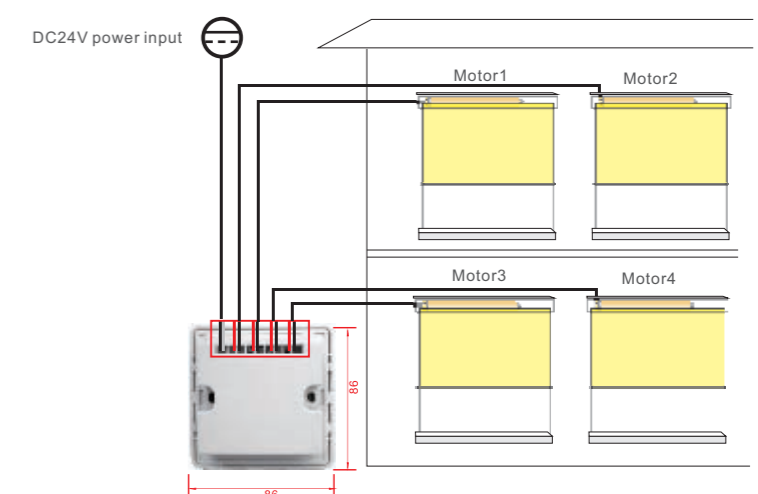
JW228-03 FOUR Routes Radio Receiver

Four routes radio receiver, the panel adopts anti-chaotic acrylic, the built-in LED light guide, the light is soft and even, and the surface frame is treated with roasted piano paint, which is noble and elegant. It is mainly used in combination with various types of GIVEN wireless transmitters to control the synchronous operation of multiple electric curtains.

Features

- ◆ Can connect four DC motors
- ◆ with the jog control key interlocking Dual
- ◆ Keyboard adopts built-in bright silver silk screen, beautiful and wear-resistant
- ◆ The panel adopts anti-disorder acrylic, built-in LED light guide, soft and even light
- ◆ The face frame is treated with roasted piano paint, noble and elegant
- ◆ The components adopt precision SMT technology, and the surface is moisture-proof.
- ◆ The electrical structure meets the requirements of electrical standards for fire protection
- ◆ Power supply safety protection, power output time is 5 minutes
- ◆ Using anti-shock current relay

Application method



Product parameters

Product model	Operating Voltage	Operating temperature	Receiving frequency	RF modulation method	Load power	Aallowednumber of transmitters
JW228-03	DC24V	-20°C~+55°C	433.92MHz	ASK	≤24WX4	5PCSX4



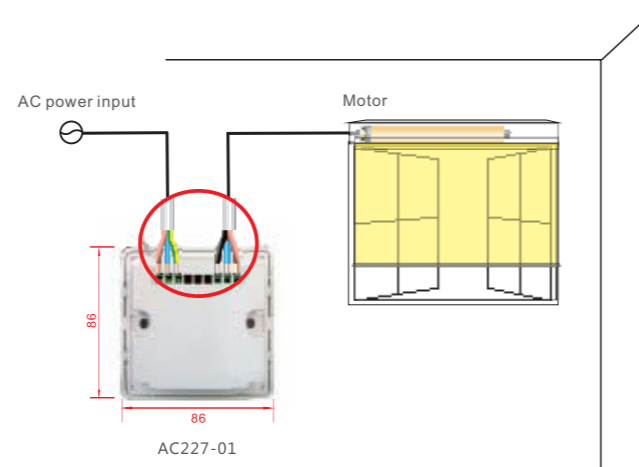
JW227-01 Crystal style single route radio receiver

Can be used with GIVEN transmitters. Cut-in installation on the wall, easy installation and simple operation. There are buttons on the surface, which can directly control the motor independently whether or not an additional transmitter is equipped, and can realize the jog dimming function of the electric shutters.

Features

- ◆ External AC motor for indoor installation
- ◆ Keys are built-in bright silver silk screen, beautiful and durable
- ◆ Panel is made of scratch-resistant acrylic, with built-in LED light guide, soft and even light
- ◆ The face frame is treated with roasted piano paint, noble and elegant
- ◆ Frequency 433MHz, compatible with any GIVEN product of the same frequency
- ◆ Suitable for motors under 500W
- ◆ Using TV5 level protection surge current relay
- ◆ Precision SMT process, surface moisture-proof treatment
- ◆ External manual switch is available.

Application method



Product model	Operating Voltage	Operating temperature	Receiving frequency	RF modulation method	Load power
JW227-01	230V50/60hz optional 120VAC 60Hz	-20°C~+55°C	433.92MHz	ASK	<300W

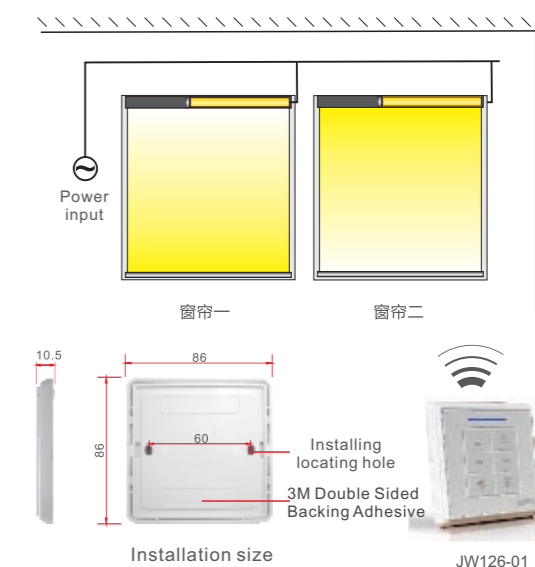


JW126-01 Crystal type double channel emitter

It is easy to realize intelligent operation, can be held by hand, can be installed on wall surface, is more convenient to use, and the launching distance can reach more.

Function Characteristics

- ◆ The panel is made of scratch-resistant acrylic with built-in LED light guiding lamp posts.
- ◆ The light is soft and even. The frame is treated with piano baking paint, which is noble and elegant.
- ◆ The back is attached with 3m environment-friendly adhesive, which is extremely sticky and can be fixed at any position on the wall.
- ◆ No wiring is needed to avoid damage to the wall.
- ◆ Precision SMT technology.
- ◆ Surface moisture-proof treatment.



Product parameter

Product parameter	Battery type	Emission current	Emission power	Emission frequency	RF modulation mode	Standby power consumption	Working temperature
JW126-01	27A(12V)	≤10mA	≤10mW	433.92MHz	ASK	< 5uA	-20°C~+55°C

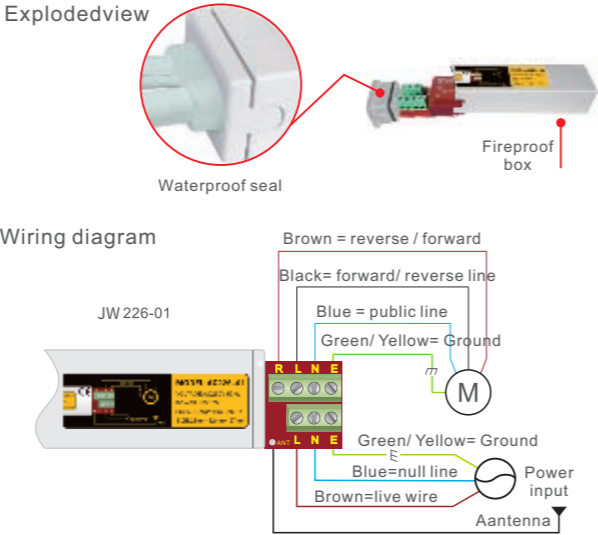


JW226-01 Water Proof Type Radio Receiver

The JW226-01 receiver has a small size and is suitable for installation in places with relatively narrow spaces. Has a higher protection level, can adapt to outdoor installation requirements. Such as remote control inner tubular motor, aluminum alloy electric shutter window cover, inside side, electric shutter guide, box-type electric shading and other places.

Features

- ◆ Small size, suitable for concealed installation places
- ◆ Fully sealed structure design, protection grade IP55, suitable for outdoor installation
- ◆ Easy to switch between jog / linkage, can realize precise dimming action of venetian blind
- ◆ Using anti-shock current circuit design, suitable for motors with power below 500W
- ◆ Stable performance and strong anti-interference ability
- ◆ Precision SMT process, the surface is moisture-proof
- ◆ Pressure reduction scheme, lasting, stable and reliable



Product parameters

Product model	Operating voltage	Operating temperature	Receiving frequency	Load power	RF modulation method	Protection class
JW 226-01	AC230V50Hz optional AC120V60Hz	-20°C~+55°C	433.92MHz	< 300W	ASK	IP55

JW513 Mechanical Switch



JW513-01
Single-channel high-voltage
electromechanical switch

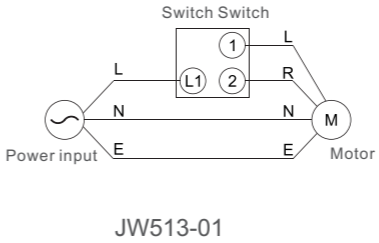


JW513-02
Single circuit weak
current mechanical switch

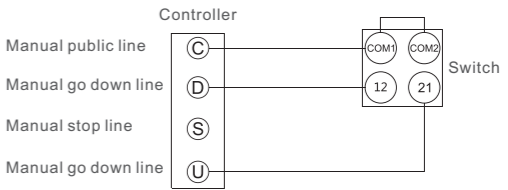
Function Characteristics

- ◆ Function Characteristics
- ◆ Perfect natural visual design Brilliant, high hardness. not easy to scratch.
- ◆ Brushed surface frame is not only fashionable and beautiful, but also can prevent scratching and aging.
- ◆ The matte surface treatment of the key has excellent touch, moisture resistance and dirt resistance to avoid fingerprint mark residue.

Wire Connection mode



JW513-01



JW513-02

Produd parameter

Product model	Maximum current	Switch voltage	Working temperature
JW513-01	10A	250V	-20°C~+55°C
JW513-02	5A	30VDC	-20°C~+55°C

JW514 Impluse Switcher



JW514-01
Single pulse switch



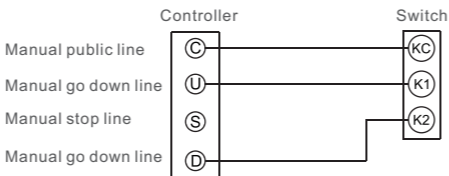
JW514-02
Double pulse switch



JW514-03
Three-way pulse switch

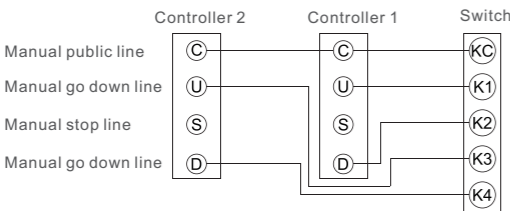
Function Characteristics

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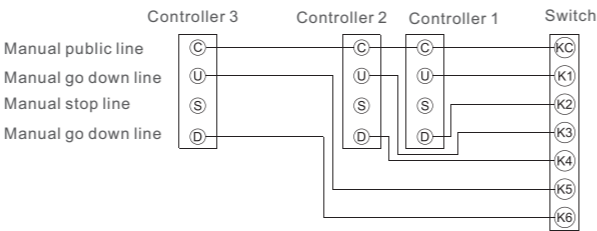


JW514-01

Wire Connection mode



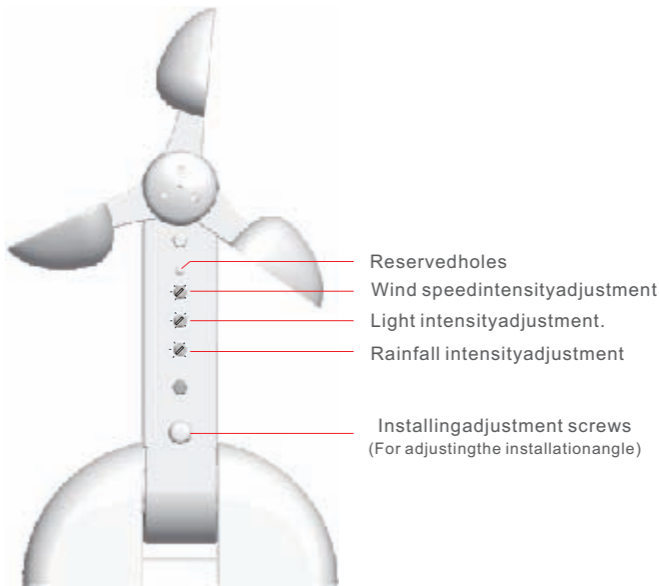
JW514-02



JW514-03

Produd parameter

Product model	Maximum current	Switch voltage	Working temperature
JW514-01/02/03	200mA	30V DC	-20°C~+55°C



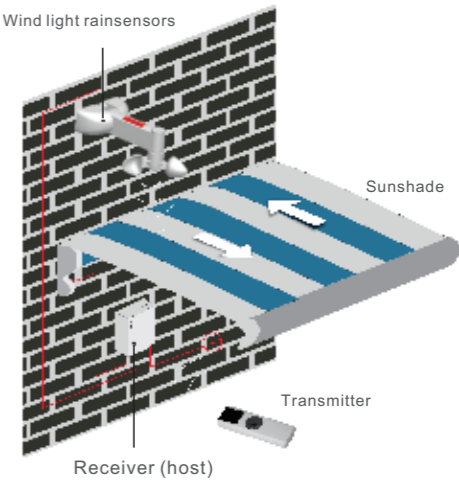
Wired windlight rainsensor

Solar powered wireless wind/ light sensing system

The wind / light sensor is suitable for electric awnings. Products such as electric window openers are equipped with stable tubular motors and control systems to automatically detect wind strength and light intensity, and implement related automatic control. For example, when the sun light intensity reaches the set value, the electric awning opens and automatically shields the strong sunlight; when the wind level reaches the set value, the electric awning automatically retracts to protect the awning from being blown by the strong wind.

Features

- ◆ Exquisite appearance design;
- ◆ The shell material is resistant to ultraviolet radiation and meets outdoor use conditions;
- ◆ The wind-sensing part adopts stainless steel double-bearing structure with high sensitivity;
- ◆ Wired connection signal transmission is safe and reliable, instructions must be reached;
- ◆ The laser marking on the knob on the housing is clear and durable;
- ◆ Three installation methods, freely selectable;
- ◆ The wind, rain, and intensity can be adjusted with high precision and sensitive response.



Technical Parameters

Receiver working voltage	Transmitter working voltage	Induction system operating frequency	Receiver load power	Wind light rainsensor working voltage	Wind light rainsensor working temperature
AC230V/50Hz (Optional 120V/ 60Hz)	DC3V (Battery type: AAA * 2)	433.92MHz (Optional 315MHz)	<800W	DC12V	-20°C~+85°C



JW302-01 Solar Power Radio Wind/Light Sensor

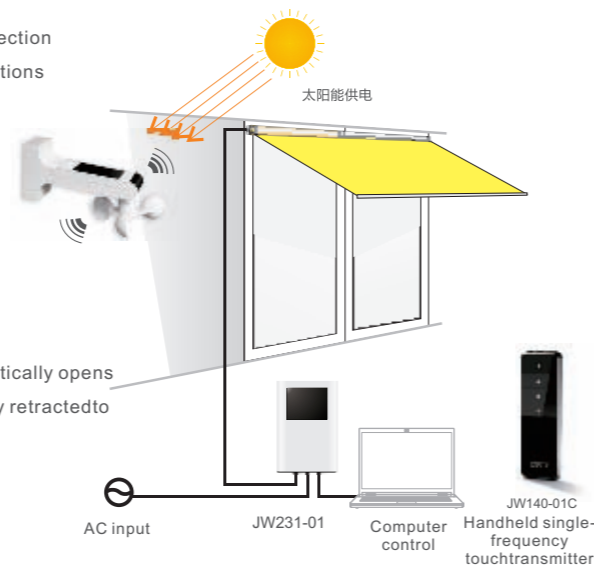
Wind / light sensor is suitable for electric awning, electric window opener and other products. It is equipped with GIVEN tubular motor and control system to automatically detect wind intensity and light intensity and implement related automatic control. For example, when the sun light intensity reaches the set value, the electric speed sun awning is opened to automatically block strong sunlight; when the wind level reaches the set value, the electric awning is automatically retracted to protect the awning from being blown by the strong wind.

Features

- ◆ Using solar panel power supply, green energy saving and environmental protection
- ◆ The shell material is resistant to ultraviolet radiation and meets outdoor conditions
- ◆ Wind-sensing bearings adopt injection molding technology to reduce friction and high sensitivity
- ◆ Automatically detect wind strength and light intensity, and implement related automatic control
- ◆ According to the characteristics of the surrounding environment, customers can adjust the wind level and light intensity rainfall.
- ◆ The size can be set flexibly to achieve the best condition
- ◆ Can set 9 speeds of wind speed, light level and rainfall
- ◆ When the sunlight intensity reaches the set value, the electric awning automatically opens
- ◆ When the wind level reaches the set value, the electric awning is automatically retracted to protect the awning
- ◆ Compatible with any A-OK wireless receiving system
- ◆ Suitable for products such as electric awnings and electric shutters

Product parameters

Product model	Supply voltage	Operating temperature	Transmission frequency	Transmit power	Protection level	Modulation
JW302-01	太阳能板+DC3.7V锂电池	-40°C ~ +85°C	433.92MHz	≤10mW	IP55	ASK

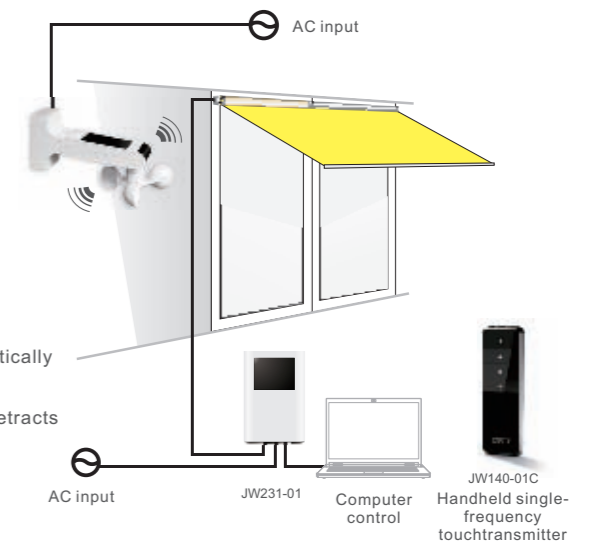


JW302-02 AC Power Supply Radio Wind/Light Sensor

Wind / light sensor is suitable for electric awning, electric window opener and other products. It is equipped with GIVEN tubular motor and control system to automatically detect wind intensity and light intensity and implement related automatic control. For example, when the sun light intensity reaches the set value, the electric speed sun awning is opened to automatically block strong sunlight; when the wind level reaches the set value, the electric awning is automatically retracted to protect the awning from being blown by the strong wind.

Features

- ◆ The shell material is resistant to ultraviolet radiation and meets outdoor conditions
- ◆ Wind-sensing bearings adopt injection molding technology to reduce friction and high sensitivity
- ◆ Automatically detect wind intensity, light intensity, rainfall amount and implement related automatic control
- ◆ Customers can carry out wind power level and light intensity according to the characteristics of their surroundings.
- ◆ Flexible settings to achieve the best state
- ◆ Can set 9 speeds of wind speed, light level and rainfall
- ◆ When the sunlight intensity reaches the set value, the electric awning automatically opens the sunshade
- ◆ When the wind level reaches the set value, the electric awning automatically retracts to protect the awning
- ◆ Compatible with any stable--wireless receiving system
- ◆ Suitable for products such as electric awnings and electric shutters



Product model	Supply voltage	Operating temperature	Transmission frequency	Transmit power	Protection level	Modulation
JW302-02	AC230V 50/60Hz; AC120V 60Hz 通用	-40°C ~ +85°C	433.92MHz	≤10mW	IP55	ASK

THE SOLUTION OF INTELLIGENT ELECTRIC ROLLER SHUTTER SYSTEM

Home, apartment, villa, hotel, office building

venetian blinds
Light roman blinds

FCS folding canopyblinds
FSS canopy blinds

Install according to top requirements

Open and close blinds
venetian blinds
Roller blinds

Open and close blinds
venetian blinds
Roller blinds
Organ blinds
roman blinds

Curved arm blinds
Install according to side requirements

GIVEN Shading system

Open and close blinds
venetian blinds
Roller blinds
Organ blinds
Light roman blinds
roman blinds
FSS canopy blinds
FCS folding canopyblinds
projection screen
Curved arm blinds

Install according to personal request

Open and close blinds
venetian blinds
Roller blinds
Organ blinds
roman blinds

FSS canopy blinds
FCS folding canopyblinds

Install according to top requirements

Open and close blinds
venetian blinds
Roller blinds

Intelligent control system blinds

Wired
Radio
central control
Intelligent wired
RS232 control technology
RS485 control technology
DCT Dry contact technology