

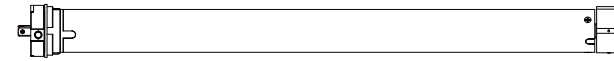
SAFETY NOTE

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- WARNING:** the drive shall be disconnected from its power source during cleaning, maintenance and when replacing parts.
- The instructions shall state that the A-weighted emission sound pressure level of the drive is equal to or less than 70 dB(A), e.g. by writing $LpA \leq 70$ dB(A).
- The mass and the dimension of the driven part shall be compatible with the rated torque and rated operating time.
- The type of driven part the drive is intended for.
- WARNING:** Important safety instructions. It is important for the safety of persons to follow these instructions. Save these instructions.
- Do not allow children to play with fixed controls. Keep remote controls away from children.
- Frequently examine the installation for imbalance and signs of wear or damage to cables and springs. Do not use if repair or adjustment is necessary.
- Watch the moving shutter and keep people away until the shutter is completely closed.
- WARNING:** Important safety instructions. Follow all instructions, since incorrect installation can lead to severe injury.
- Before installing the drive, remove any unnecessary cords and disable any equipment not needed for powered operation.



DM35(45)F/Y

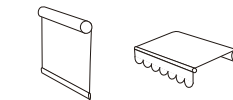
Instruction | A-03



Features

- Built-in Receiver
- Precise Limit Setting
- Jog & Tilt
- Limit Fine Adjustment
- Switch Direction
- Stall Protection
- Program Button
- Reset to Factory Mode
- Electronic Limit
- Preferred Stop Position
- Sun-sensor Compatible

Fields of Application



The motor is suitable for motorization of roller blinds, awning.

Specifications

Working Temperature: -5°C ~ +50°C	Radio Frequency: 433.925MHz
Rated Voltage: AC 230/50Hz, AC 220V/60Hz, AC120V/60Hz	Thermal Protection time: > 4 minutes

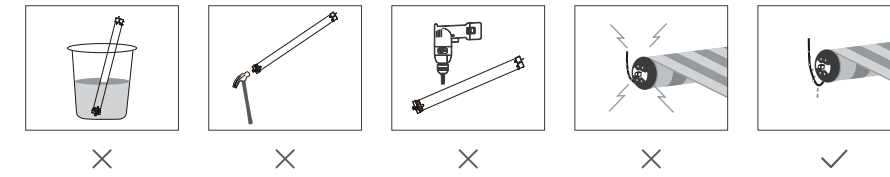
Following data for reference

Rated Voltage (V)	Model	Rated Torque (N.m)	Rated Speed (rpm)
230	DM35F/Y-6/28	6	28
	DM35F/Y-10/17	10	17
	DM35F/Y-13/14	13	14
	DM45F/Y-10/15	10	15
	DM45F/Y-10/26	10	26
	DM45F/Y-20/15	20	15
220	DM45F/Y-20/26	20	26
	DM35F/Y-10/21	10	21
120	DM35F/Y-6/33	6	33
	DM35F/Y-10/21	10	21
	DM45F/Y-10/19	10	19
	DM45F/Y-10/32	10	32
	DM45F/Y-20/19	20	19
	DM45F/Y-20/32	20	32

* For reference only.

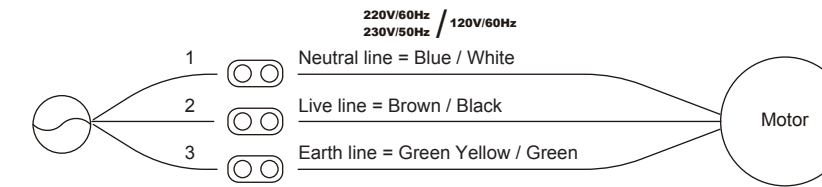
Attention

Never drop, knock, drill or submerge the motor. Keep the power cable in right position as following. Important safety instructions to be read before installation. Incorrect installation can lead to serious injury and will void manufacturer's liability and warranty.

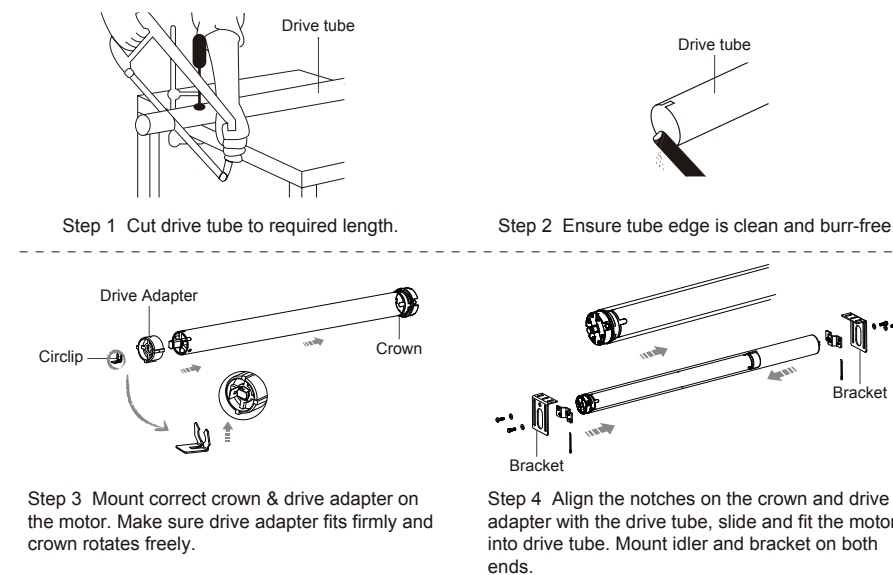


Wiring

Five lines: AC 230V/50Hz, AC 220V/60Hz, AC 120V/60Hz



Motor Installation



Caution

- Do not expose motor to humid or extreme temperature conditions.
- Do not drill into motor.
- Do not cut the antenna and keep it clear from metal objects.
- Do not allow children to play with this device.
- If power cable or connector is damaged, do not use.
- Ensure correct crown and drive adaptor are used.
- Ensure power cable and aerial are clear and protected from moving parts.
- Cable routed through walls shall be properly isolated.
- Motor is to be mounted in horizontal position only.
- Before installation, remove unnecessary cords and disable equipment not needed for powered operation.
- Installation and programming to be performed by a qualified professional, use or modification outside the scope of this instruction may void warranty.



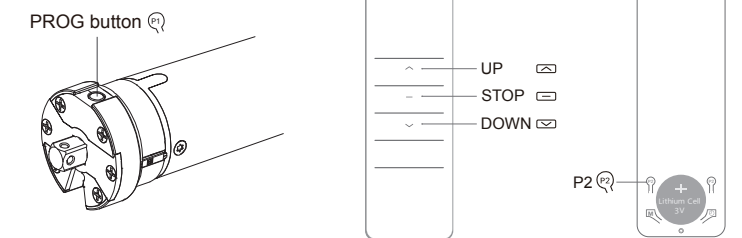
Important Safety Instructions To Be Read Prior To Operation.

Setting Notice

Please read following points of attention carefully before setting.

- Please use accessories kits to protect the wires which are not used.
- Operating:
 - The valid interval of the emitter button is 6s, the emitter will quit the set after 6s.
 - The motor will jog or beep for hint, please do the next step after the hint.
- Set limit position:
 - After the upper/lower limit setting, and the upper/lower limit position can't at the same position.
 - After limit setting, with power off and memory function.
 - Limit delete will clear all limit memory.
 - It will exit limit setting when program there is no operation for 2 minutes.
- If the emitter lost, no limit case, please setting up again with new emitter; Have a limit case, please add emitter again with new emitter, limit remains the same.
- One motor can store maximum 20 channels; after fully stored, if pair new channels, only the last one will be covered circularly.

Button Instructions



Functions of PROG button

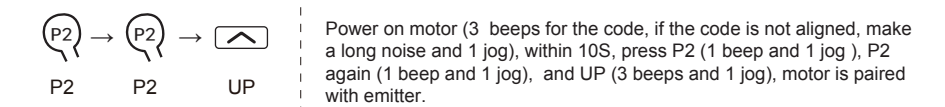
- Pairing or Pair Additional Emitter: Press PROG button for 2S, motor beeps 3 times, motor is ready for pairing or pair additional emitter.
- Switch Direction: Press and hold PROG button for 5S, motor beeps 3 times and jog once, release button, motor running direction is switched.
- Reset Motor: Press and hold PROG button for 10S, motor beeps 3 times and jog once, release button, motor jog once. All motor settings is reset.



Essential Settings

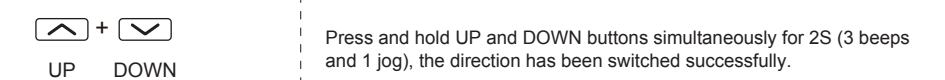
Step 1 to 3 must be completed to ensure proper operation.

1 Pairing



2 Switch Rotating Direction (Optional)

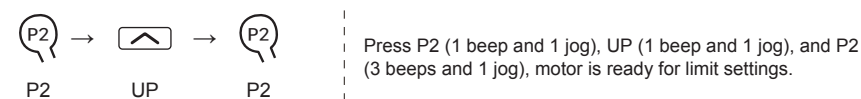
Press UP and motor runs downwards, try below to switch direction.



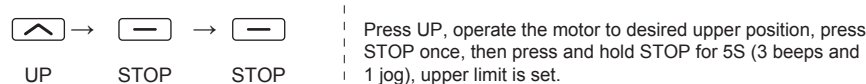
* The motor needs to be in the reversing operation without limit.

3 Setting Upper and Lower Limits

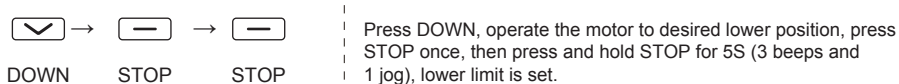
1 Initiate limit setting



2 Set upper limit



3 Set lower limit



* When there is no limit, the limit can be set without entering the limit setting mode.

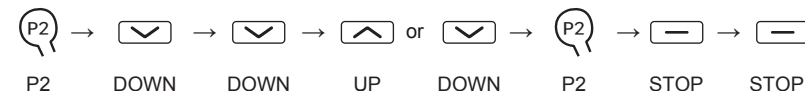
4 Add A Preferred Position

1 Set preferred position(Within the limits)



Check both upper and lower limits are set. Operate the product to desired preferred position. Press STOP once, then press P2 (1 beep and 1 jog), STOP (1 beep and 1 jog), STOP again (3 beeps and 3 jogs), the preferred position in the limits is set.

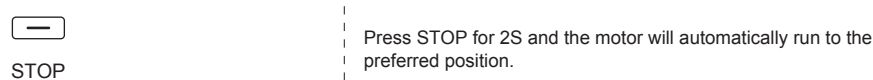
2 Set preferred position(Outside the lower limit)



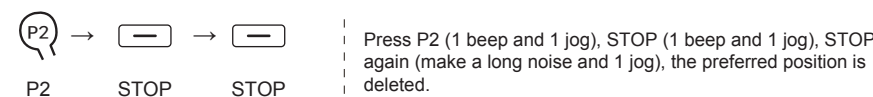
Check both upper and lower limits are set. Press P2 (1 beep and 1 jog), DOWN (1 beep and 1 jog), DOWN again (3 beeps and 1 jog), then press UP or DOWN, operate the product to desired preferred position, press P2 (1 beep and 1 jog), STOP (1 beep and 1 jog), STOP again (3 beeps and 3 jogs), preferred position setting outside the lower limit is ok.

* If the motor has preferred position within the limits, you need to delete preferred position before setting.

3 Run to preferred position



4 Remove preferred position



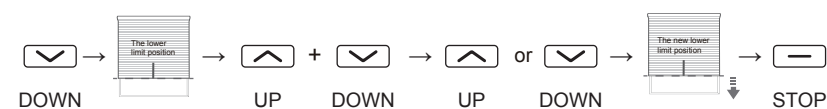
5 Adjust Limits

1 Adjusting the upper limit position



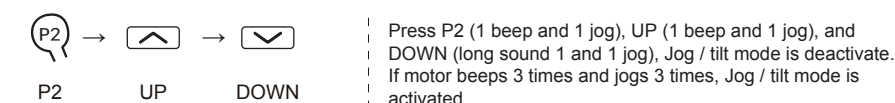
Operate product to upper limit position. Press and hold UP and DOWN buttons simultaneously for 5S (3 beeps and 1 jog), operate the product to desired new upper limit position, then press and hold UP and DOWN buttons simultaneously for 5S (3 beeps and 1 jog), the new upper limit is programmed successfully.

2 Adjusting the lower limit position



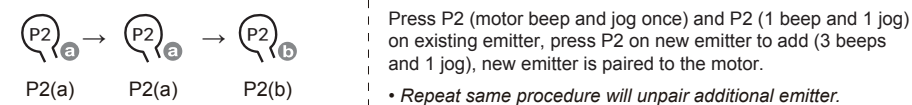
Operate product to lower limit position. Press and hold UP and DOWN buttons simultaneously for 5S (3 beeps and 1 jog), operate the product to desired new lower limit position, then press and hold UP and DOWN buttons simultaneously for 5S (3 beeps and 1 jog), the new lower limit is programmed successfully.

6 Activate / Deactivate Jog / Tilt Mode



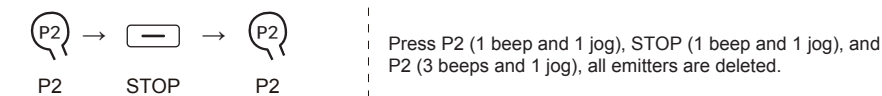
* When under jog mode, press UP or DOWN for 2S, the motor will be continuously running.

7 Pair / Unpair Additional Emitter

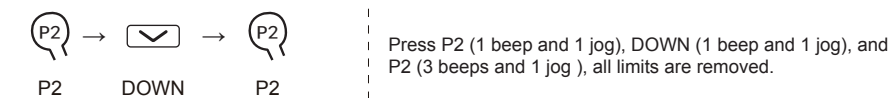


* (a) as existing emitter, (b) as new emitter to pair/unpair.

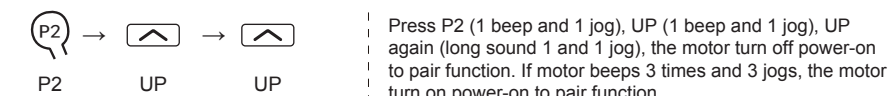
8 Remove All Emitters



9 Deleting All Limits

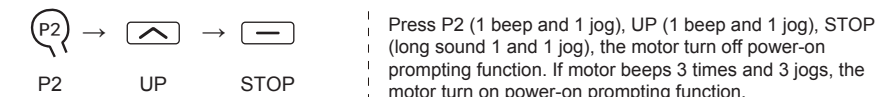


10 Enable / Disable Power-on to Pair Function



* The factory default mode is ON.

11 Enable / Disable Power-on Prompting Function



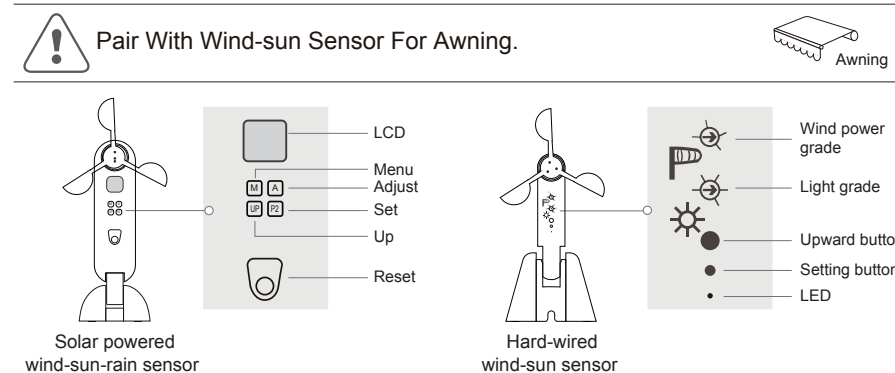
* The factory default mode is ON.

12 Enable / Disable Sensitive Stall Detection

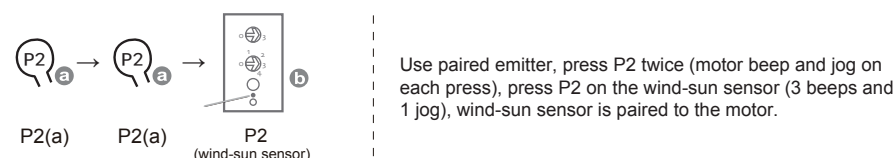


Press P2 (1 beep and 1 jog), press UP and STOP simultaneously (1 beep and 1 jog), press UP and STOP simultaneously again (long sound 1 and 1 jog), the motor turn off sensitive stall detection. If motor beeps 3 times and 3 jogs, the motor turn on sensitive stall detection.

* The factory default mode is ON.



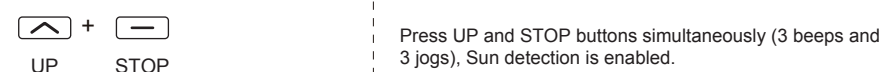
13 Adding Wind-sun Sensor



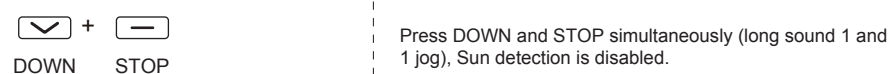
* (a) as existing emitter, (b) as sensor to pair/unpair. Add multiple wind-sun sensors only currently valid, other are covered.

14 Enable / Disable Sun Detection

1 Enable sun detection



2 Disable sun detection



Quick Index

	Settings	Steps	
1	Pairing	P2 → P2 → Up	
2	Switch Rotating Direction	Up + Down (hold down 2s)	
3	Upper and Lower Limits Setting	Initiate limit setting: P2 → Up → P2 Set upper limit: Up → Stop → Stop (hold down 5s) Set lower limit: Down → Stop → Stop (hold down 5s)	
	4	Add / Remove Preferred Position	Set preferred position(Within the limits): Up or Down → Stop → P2 → Stop → Stop Set preferred position(Outside the lower limit): P2 → Down → Down → Up or Down → P2 → Stop → Stop Run to preferred position: Stop (hold down 2s) Remove preferred position: P2 → Stop → Stop
		Adjust Limits	Adjusting the upper limit position: Up → Up + Down (hold down 5s) → Up or Down → Stop (hold down 5s) Adjusting the lower limit position: Down → Up + Down (hold down 5s) → Up or Down → Stop (hold down 5s)
5		Activate / Deactivate Jog / Tilt Mode	P2 → Up → Down
7	Pair / Unpair Additional Emitter	P2(a) → P2 (a) → P2(b)	
8	Remove All Emitters	P2 → Stop → P2	
9	Delete All Limits	P2 → Down → P2	
10	Enable / Disable Power-on to Pair Function	P2 → Up → Up	
11	Enable / Disable Power-on Prompting Function	P2 → Up → Stop	
12	Enable / Disable Sensitive Stall Ditection	P2 → Up + Down → Up + Down	
13	Adding Wind-sun Sensor	P2(a) → P2 (a) → P2 (wind-sun sensor)	
14	Enable / Disable Sun Detection	Enable sun detection: Up + Stop Disable sun detection: Down + Stop	

Troubleshooting

Issues	Possible causes	Solution
Motor is not responding	Power Failure Or incorrect Connection	Double check power and cable connections, follow wiring instructions.
	Battery in emitter is low	Replace battery
	Radio interference / shielding	Check antenna on motor is intact and exposed. Check for possible source of radio interference.
	Out of radio control range	Try control within closer range
Cannot program a single Motor (multiple motors respond)	Multiple motors are paired to the same channel.	Always reserve an individual correctly (refer to motor functions) SYSTEM BEST PRACTICE - Provide an extra 15 channel controller in your multi motor projects, that provides individual control for each motor for programming purposes
The motor does not raise or lower the blinds or shutters, starts too slowly or make loud noise.	Connections are incorrect. Incorrect installation or overload	Check connections Check installation or overload
The motor stops during the going up or going down.	Down limit is reached Running time exceeds 4 min	Set new down limit Let the motor cool for about 20 min