AUTOMATE™
ARC™ CORD LIFT MOTORS

Part number	Description
MTDCRF-CL-0.6-50	CL 0.6Nm Cord Lift Motor
MT01-3001-069001	CL 0.8Nm Cord Lift Motor

ARC
Automate Radio Communication

433 MHZ BI-DIRECTIONAL

ELECTRONIC LIMIT

SELECTABLE RPM

FAVORITE POSITION

LEVEL CONTROL

AUTOMATE™ | ARC™ Cord Lift motors enable motorized function of shades utilizing cord take up systems.

The Leveling Control allows for precise positioning of individual or multiple shades ensuring perfect alignment every time.

Additionally, a favorite position can be pre-set and recalled at any time.

FEATURES:

- Smart Home Control
- IOT Integration
- Electronic Limits
- 433 MHz Bi-Directional RF Communication
- Leveling Control
- 3 x Selectable Rpm
- Favorite Position
- Roller & Tilt Modes.

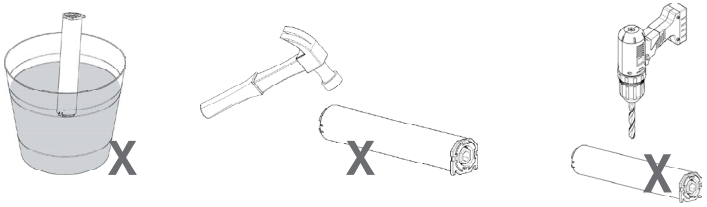
ROLLEASE ACMEDA
PRECISION IN MOTION

CONTENTS

SAFETY INSTRUCTIONS

WARNING: Important safety instructions to be read before installation.

Incorrect installation can lead to serious injury and will void manufacturer's liability and warranty.



CAUTION

- Do not expose to moisture or extreme temperatures.
- Do not allow children to play with this device.
- Use or modification outside the scope of this instruction manual will void warranty.
- Installation and programming to be performed by a suitably qualified installer.
- For use within tubular blinds.
- Ensure correct crown and drive adaptors are used for the intended system.
- Keep antenna straight and clear from metal objects
- Do not cut the antenna.
- Use only Rollease Acmeda hardware.
- Before installation, remove any unnecessary cords and disable any equipment not needed for powered operation.
- Ensure torque and operating time is compatible with end application.
- Do not expose the motor to water or install in humid or damp environments.
- Motor is to be installed in horizontal application only.
- Do not drill into motor body.
- The routing of cable through walls shall be protected by isolating bushes or grommets.
- Ensure power cable and aerial is clear and protected from moving parts.
- If cable or power connector is damaged do not use.

Important safety instructions to be read prior to operation.

- It is important for the safety of persons to follow the enclosed instructions. Save these instructions for future reference.
- Persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge should not be allowed to use this product.
- Keep remote controls away from children.
- Frequently inspect for improper operation. Do not use if repair or adjustment is necessary.
- Keep motor away from acid and alkali.
- Do not force the motor drive.
- Keep clear when in operation.

Do not dispose of in general waste.
Please recycle batteries and damaged electrical products appropriately.

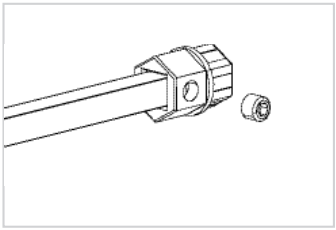
Intertek
5005833

1 ASSEMBLY

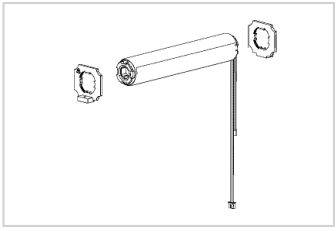
1.1 0.6 Nm Motor

The 0.6Nm Automate Cord Lift motor must be installed flush with the end cap.

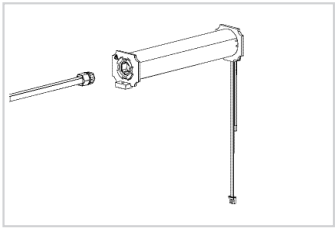
Step 1. Secure the shaft adapter to the shaft with a grub screw.



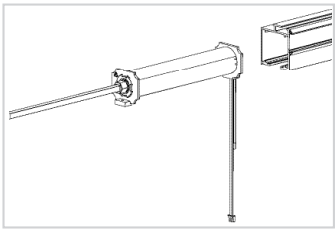
Step 2. Attach Headrail Adapters to the motor (2 each required).



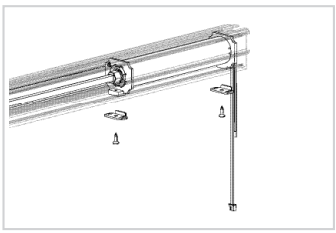
Step 3. Attach the shaft with adapter to the Motor assembly.



Step 4. Insert Motor assembly into the headrail.
Ensure shaft adapter full engages motor drive recess.



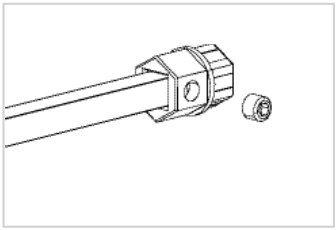
Step 5. Ensure power cord and antenna extend freely from the headrail. Anchor the Motor to the headrail.



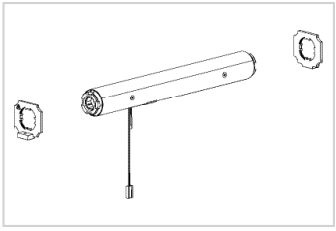
1.2 0.8 Nm Motor

The 0.8Nm Automate Cord Lift motor can be installed at any position inside the aluminum extrusion.

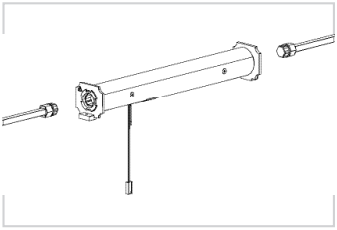
Step 1. Secure the shaft adapter to the shaft with a grub screw (2 assemblies required).



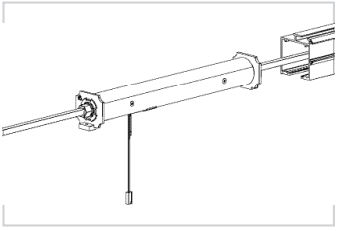
Step 2. Attach Headrail Adapters to the motor (2 each required).



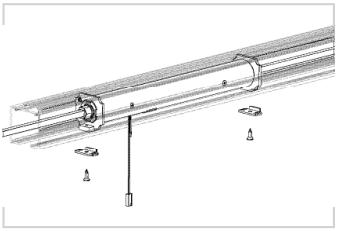
Step 3. Attach the shaft with adapter to the Motor assembly.



Step 4. Insert Motor assembly into the headrail. Ensure shaft adapter fully engages with the motor drive recess.



Step 5. Ensure power cord and antenna extend freely from the headrail. Anchor the Motor to the headrail where desired.

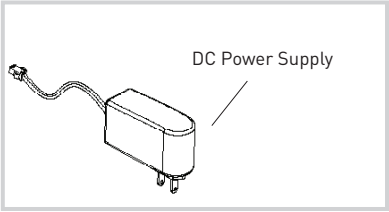


2 WIRING

2.1 Power Option

Automate DC motors are powered from a 12V DC power source. AA Battery wands, re-chargeable battery packs and A/C Adapters are available, with a variety of quick connect extension cords. For centralized installations, power supply range can be extended with 18/2 wire (not available through Rollease Acmeda).

- During operation, if voltage drops to less than 10V, the motor will beep 10 times to indicate a power supply issue.
- Motor will stop running when the voltage is lower than 7V and it will resume again when the voltage is greater than 7.5V.



Power Supply	Motor
MTBWAND18-25 Battery Tube for DCRF (no Battery) Motors	MTDCRF-CL-0.6-50 MT01-3001-069001
MTDCPS-18-25 Power Supply for 18/25-CL/Tilt DCRF (no Bttry) Motor	
MTBPCKR-28 Rechargeable Battery Pack	

Extension Cables	Length
MTDC-CBLXT6 DC Battery Motor Cable extender 6" / 155mm	6 inch
MTDC-CBLXT48 DC Battery Motor Cable extender 48" / 1220mm	48 inches
MTDC-CBLXT96 DC Battery Motor Cable extender 96" / 2440mm	96 inches

Ensure cable is kept clear of fabric.

Ensure antenna is kept straight and away from metal objects.

3 P1 BUTTON FUNCTIONS

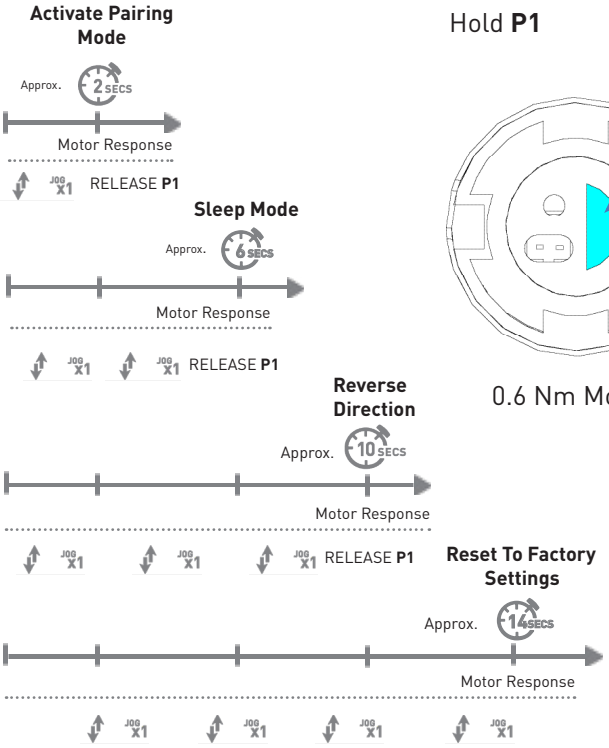
3.1 Motor State Test

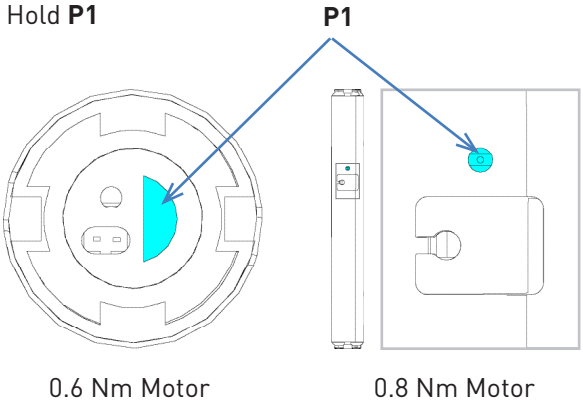
This table describes the function of a short **P1** button press/release(<2 seconds) depending on current motor configuration.

P1 Press	Condition	Function Achieved	Visual Feedback	Audible Feedback	Function Described
Short Press then Release (<2 sec)	If limit is NOT set	None	No Action	None	No Action
	If limits are set	Operational control of motor, run to limit. Stop if running	Motor runs	None	Operational control of motor after pairing and limit setting is completed first time
	If motor is in "Sleep Mode" & limits are set (Refer to Sec.10)	Wake and control	Motor wakes and runs in a direction	None	Motor is restored from Sleep mode and RF control is active

3.2 Motor Configuration Options

The **P1** Button is utilized to administer motor configuration as described below and beginning in Section 4.





0.6 Nm Motor

0.8 Nm Motor

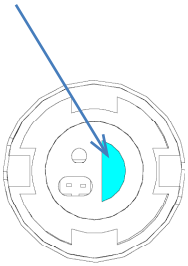
4 INITIAL SET-UP

4.1 Pair Motor with controller

Select channel on controller.

(Disregard if using single channel controller)

Hold **P1** button on motor head



Hold **STOP** on controller

IMPORTANT

Consult user manual for your controller for information on selecting channel.

Motor Response

JOG X1 RELEASE **P1**

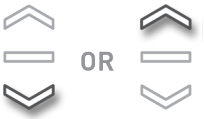
Motor Response

2 SECS JOG X2

Motor is now in setup mode and ready for setting limits.

4.2 Check motor direction

To check travel direction of shade, press **UP** or **DOWN** on controller.



To reverse shade direction, hold both **UP** and **DOWN** until motor responds

Motor Reponse

JOG X1

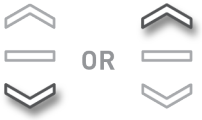
Reversing motor direction using this method is only possible during initial set-up, prior to first time limit setting, or after a re-set of motor

4.3 Set limits

IMPORTANT

Damage to shade may occur when operating motor prior to setting limits. Attention should be given.

Move shade to the desired highest or lowest position by pressing the **UP** or **DOWN** buttons on controller.



Quick Press = Step
Long Press = Continuous Travel

To save upper limit, hold **UP** and **STOP**.

To save lower limit, hold **DOWN** and **STOP**.

Motor Response

Approx. 5 SECS

JOG x2

Initial set-up is now complete

5 ADJUSTING LIMITS

5.1 Adjust upper limit

Hold **UP** and **STOP** on Controller until the motor responds.

Move shade to the desired upper position by pressing the **UP** or **DOWN** button.

To save upper limit, hold **UP** and **STOP** until the motor responds.

Motor Response

Approx. 8 SECS

JOG x1

Motor Response

JOG x2

5.2 Adjust lower limit

Hold **DOWN** and **STOP** on controller.

Move shade to the desired lowest position by pressing the **UP** or **DOWN** button

To save lower limit, hold **DOWN** and **STOP**.

Motor Response

Approx. 8 SECS

JOG x1

Motor Response

JOG x2

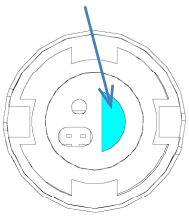
IMPORTANT

Consult user manual for your controller or sensor.

6 ADDING OR REMOVING CONTROLLERS AND CHANNELS

6.1 Using motor P1 button

Hold **P1** button on motor head.



Motor Response

JOG x1 RELEASE **P1**

Hold **STOP** on controller to add or remove

Motor Response

Approx. 2 SECS JOG x2

6.2 Using a pre-existing controller

A= Existing controller or channel (to keep)

B= Controller or channel or add or remove

Press **P2** on existing controller.

Motor Response

JOG x1

Press **P2** on existing controller.

Motor Response

JOG x1

Press **P2** on new controller.

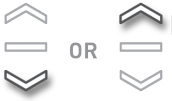
Motor Response

JOG x2

7 FAVORITE POSITIONING

7.1 Set favorite position

Move shade to the desired position by pressing the **UP** or **DOWN** button on the controller.



Press **P2** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

7.2 Send shade to favorite position

Hold **STOP** on controller.

Approx. 2 SECS

7.3 Delete favorite position

Press **P2** on controller.

Motor Response

Press **STOP** on controller.

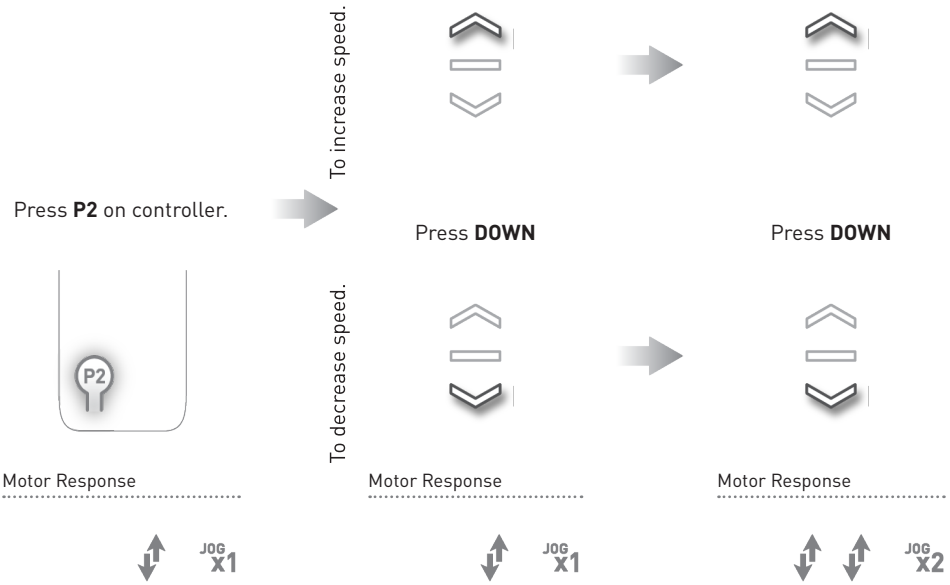
Motor Response

Press **STOP** on controller.

Motor Response

8 ADJUSTING MOTOR SPEED

8.1 Increase or decrease motor speed



IMPORTANT

If motor does not react to speed adjustment, the maximum or minimum speed has already been reached.

9 TILT & ROLLER MODE

9.1 Enter tilt mode

Hold **UP** and **DOWN** on controller.

Motor Response

Approx. 5 SECS

JOG x1

Press **STOP**

Motor Response

JOG x1

For slat adjustment on Venetians.

9.2 Enter roller mode (Default)

Hold **UP** and **DOWN** on controller.

Motor Response

Approx. 5 SECS

JOG x1

Press **STOP**

Motor Response

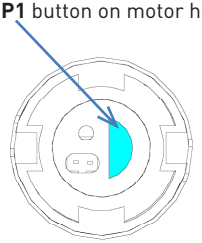
JOG x2

10 SLEEP MODE

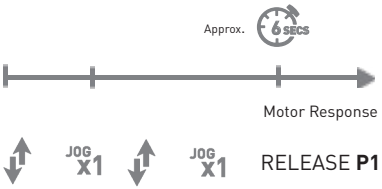
10.1 Enter sleep mode

Sleep mode is utilized to prevent a motor from moving during shipping of a fabricated shade.

Hold **P1** button on motor head.



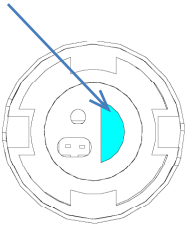
Motor Response



10.2 Exit sleep mode

Exit sleep mode once shade is installed.

PRESS & RELEASE **P1** button on motor head.



Motor Response

MOTOR RUNS TO LIMIT

11 TROUBLESHOOTING

Problem	Cause	Remedy
Motor is not responding	A / C Adapter not plugged in.	Check motor to power cable connection and AC plug.
	Battery in motor is depleted	Replace 8xAA alkaline batteries.
	Power failure	Check power supply to motor is connected and active
	Transmitter battery is discharged	Replace battery
	Battery is inserted incorrectly into transmitter	Check battery polarity
	Radio interference/shielding	Ensure transmitter is positioned away from metal objects and the aerial on motor or receiver is kept straight and away from metal
	Receiver distance is too far from transmitter	Move transmitter to a closer position
	Incorrect wiring	Check that wiring is connected correctly (refer to motor installation instructions)
Unable to adjust or set limits.	Remote is in a locked state.	Change remote status to an unlocked state
Cannot program a single Motor (multiple motors respond)	Multiple motors are paired to the same channel.	Always reserve an individual channel for programming functions
		SYSTEM BEST PRACTICE - Provide an extra 15 channel remote in your multi motor projects, that provides individual control for each motor for programming purposes
		Place all other motors into sleep mode (ref to **P1** function overview - section 3.2 and 10.1)

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