

AUTOMATE™

ARC™ CORD LIFT MOTORS



Part number	Description
MT01-3101-069001	Cord Lift DCRF Motor with extended P1 Button - 0.6N/34



**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.

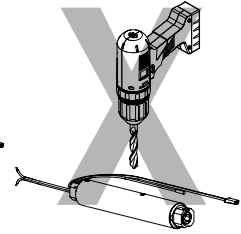
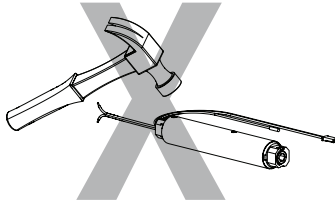
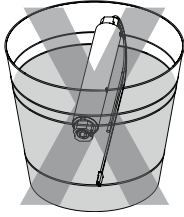
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SAFETY INSTRUCTIONS

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.



1 P1 BUTTON FUNCTIONS

1.1 Motor State Test

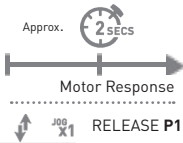
This table describes the function of a short **P1** button press/release (<2 seconds) depending on current motor configuration.

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

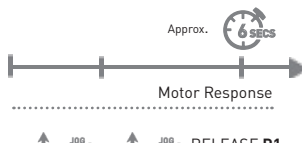
1.2 Motor Configuration Options

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

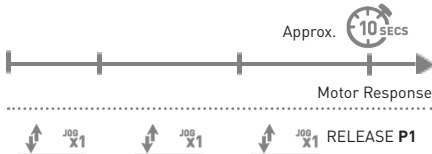
Activate Pairing Mode



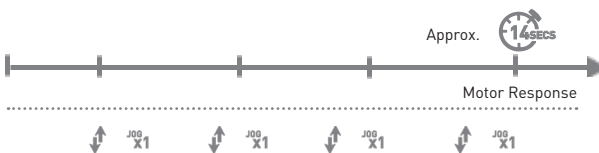
Sleep Mode



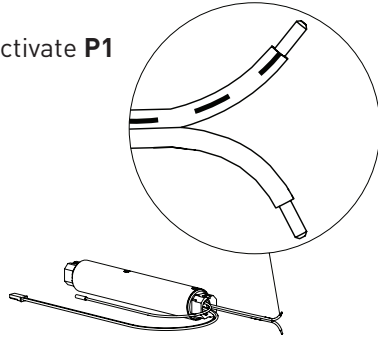
Reverse Direction



Reset To Factory Settings



Activate P1



To execute the "P1 function"

- Short circuit the white and dotted white wire
- The motor will jog once
- Release the wires

Now you are able to pair the motor with the remote."

2 INITIAL SET-UP

2.1 Pair Motor with controller

Select channel on controller.
(Disregard if using single channel controller)

Activate **P1** button

Hold **STOP** on controller



IMPORTANT

Motor Response

Motor Response

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



JOG X1 RELEASE P1



JOG X2

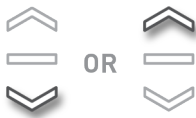


Motor is now in setup mode and ready for setting limits.

2.2 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 Response



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

2.3 Set limits



IMPORTANT

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

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

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



Motor Response

Approx.  



Initial set-up is now complete

3 ADJUSTING LIMITS

3.1 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



Motor Response



3.2 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



Motor Response



IMPORTANT

Consult user manual for your controller or sensor.

4 ADDING OR REMOVING CONTROLLERS AND CHANNELS

4.1 Using motor P1 button

Activate **P1** button

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



Motor Response

Motor Response



4.2 Using a pre-existing controller

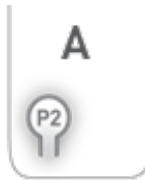
A= Existing controller or channel (to keep)

B= Controller or channel to add or remove

Press **P2** on existing controller.

Press **P2** on existing controller.

Press **P2** on new controller.



Motor Response

Motor Response

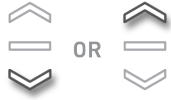
Motor Response



5 FAVORITE POSITIONING

5.1 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



5.2 Send shade to favorite position

Hold **STOP** on controller.



Approx.  2secs

5.3 Delete favorite position

Press **P2** on controller.



Motor Response



Press **STOP** on controller.



Motor Response



Press **STOP** on controller.



Motor Response



6 ADJUSTING MOTOR SPEED

6.1 Increase or decrease motor speed

Press **P2** on controller.



Motor Response



To increase speed.



Press **DOWN**

To decrease speed.



Motor Response



Press **DOWN**

Motor Response



IMPORTANT

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

7 TILT & ROLLER MODE

7.1 Enter tilt mode

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



Press **STOP**



Motor Response



Motor Response



For slat adjustment on Venetians.

7.2 Enter roller mode (Default)

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



Press **STOP**



Motor Response



Motor Response



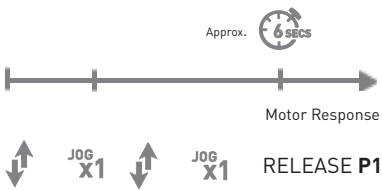
8 SLEEP MODE

8.1 Enter sleep mode

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

Activate **P1** button

Motor Response

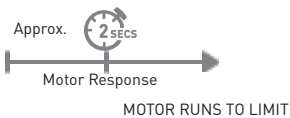


8.2 Exit sleep mode

Exit sleep mode once shade is installed.

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

Motor Response



9 SOFT STOP ON/OFF

9.1 SOFT STOP ON

Motor must be in fastest speed to turn Soft Stop ON.

Press **P2** on controller.



Press **UP** on controller.



Press **UP** on controller.



Motor Response



Motor Response



Motor Response



9.2 SOFT STOP OFF

Motor must be in slowest speed to turn Soft Stop OFF.

Press **P2** on controller.



Press **DOWN** on controller.



Press **DOWN** on controller.



Motor Response



Motor Response



Motor Response



10 BATTERY CHECK FUNCTION

10.1 Send Shade to battery charge level

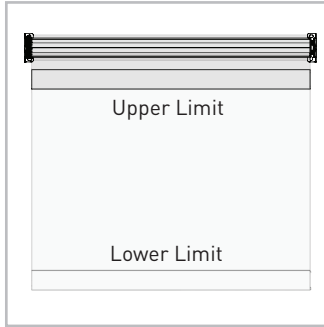
Shade must be at Upper Limit.

Hold **UP**

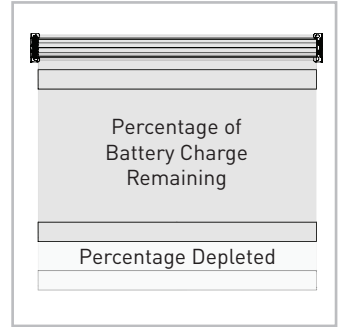


Motor Response

Approx.



Shade must be at Upper Limit
Hold **UP** for Approx. 5s



Shade moves to percentage of
battery charge remaining

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 battery pack 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
Unable to adjust or set limits.	Incorrect wiring.	Check that wiring is connected correctly (refer to motor installation instructions)
	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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U.S. Radio Frequency FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.