AUTOMATE™ C 1.2
MTACRFDR-50KG - ARC DRAPERY MOTOR

AUTOMATE™ | ARC™ drapery motor is compatible with popular drapery track systems for easy incorporation of draperies into the ARC motorized platform. The Soft Touch feature enables manual operation when needed.

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

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

FEATURES:

- Electronic Torque sensing “Autoset” Limits
- 433 MHz Bi-Directional RF Communication
- Leveling Control
- Favorite Position
- Soft start / stop
- Soft touch control
- Top exit option for power cord
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> ASSEMBLY</td>
<td>5</td>
</tr>
<tr>
<td><strong>2</strong> P1 BUTTON FUNCTIONS</td>
<td>6</td>
</tr>
<tr>
<td>2.1 Motor State Test</td>
<td>6</td>
</tr>
<tr>
<td>2.2 Motor Configuration Options</td>
<td>6</td>
</tr>
<tr>
<td><strong>3</strong> INITIAL SET-UP</td>
<td>7</td>
</tr>
<tr>
<td>3.1 Pair motor with controller</td>
<td>7</td>
</tr>
<tr>
<td>3.2 Check motor direction</td>
<td>7</td>
</tr>
<tr>
<td>3.3 Set limits</td>
<td>8</td>
</tr>
<tr>
<td><strong>4</strong> ADJUSTING LIMITS</td>
<td>9</td>
</tr>
<tr>
<td>4.1 Adjust upper/open limit</td>
<td>9</td>
</tr>
<tr>
<td>4.2 Adjust lower/close limit</td>
<td>9</td>
</tr>
<tr>
<td><strong>5</strong> ADDING OR REMOVING CONTROLLERS AND CHANNELS</td>
<td>10</td>
</tr>
<tr>
<td>5.1 Using motor P1 button</td>
<td>10</td>
</tr>
<tr>
<td>5.2 Using a pre-existing controller</td>
<td>10</td>
</tr>
<tr>
<td><strong>6</strong> FAVORITE POSITIONING</td>
<td>11</td>
</tr>
<tr>
<td>6.1 Set a favorite position</td>
<td>11</td>
</tr>
<tr>
<td>6.2 Send shade to favorite position</td>
<td>11</td>
</tr>
<tr>
<td>6.3 Delete favorite position</td>
<td>12</td>
</tr>
<tr>
<td><strong>7</strong> ADJUSTING MOTOR SPEED</td>
<td>12</td>
</tr>
<tr>
<td>7.1 Increase or decrease motor speed</td>
<td>12</td>
</tr>
<tr>
<td><strong>8</strong> SLEEP MODE</td>
<td>13</td>
</tr>
<tr>
<td>8.1 Enter sleep mode</td>
<td>13</td>
</tr>
<tr>
<td>8.2 Exit sleep mode</td>
<td>13</td>
</tr>
<tr>
<td><strong>9</strong> TROUBLESHOOTING</td>
<td>14</td>
</tr>
</tbody>
</table>
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.
The Automate ARC Drapery motor works with most major drapery track systems. Follow the below instructions to simply retrofit with the Drive Pulley* to an existing track. *Drive Pulley Available Separately

**NOTE:** DISASSEMBLE EXISTING DRAPERY TRACK PRIOR TO FOLLOWING ASSEMBLY STEPS

**STEP 1**
Install drapery drive belt into new drive housing & assemble drive housing components.
It is recommended that both pulleys be replaced to allow for installation of motor on either end.

**STEP 2:**
Assemble drive belt attachments and attach drive housing to track.

**STEP 3:**
Assemble Brackets, Runners, Stoppers & Idler Drive Unit Cover.

**STEP 4:**
Assemble Drapery Motor to drive housing.
Ensure Fixing Pin is engaged securely and motor is secured to housing.

**STEP 5:**
Plug motor into wall receptacle

**NOTE:** Motor power cable may be shortened and/or routed through the motor body to exit the top of the track. This requires using a field installed plug to replace the motor grounding plug.
### 2 P1 BUTTON FUNCTIONS

#### 2.1 Motor State Test

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

<table>
<thead>
<tr>
<th>P1 Press</th>
<th>Condition</th>
<th>Function Achieved</th>
<th>Visual Feedback</th>
<th>Audible Feedback</th>
<th>Function Described</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Press then Release (&lt;2 sec)</td>
<td>If limits are set</td>
<td>Operational control of motor, run to limit. Stop if running</td>
<td>Motor runs</td>
<td>None</td>
<td>Operational control of motor after pairing and limit setting is completed first time</td>
</tr>
<tr>
<td>If motor is in “Sleep Mode” &amp; limits are set (Refer to Sec.10)</td>
<td>Wake and control</td>
<td>Motor wakes and runs in a direction</td>
<td>None</td>
<td>Motor is restored from Sleep mode and RF control is active</td>
<td></td>
</tr>
</tbody>
</table>

#### 2.2 Motor Configuration Options

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

**Activate Pairing Mode**

- **Hold P1**
- **GREEN LED**

**Sleep Mode**

- Motor Response
- **RELEASE P1**
- LED X1
- LED X1
- LED X1

**Reverse Direction**

- **RELEASE P1**
- LED X1
- LED X1
- LED X1

**Reset To Factory Settings**

- **RELEASE P1**
- LED X1
- LED X1
- LED X1
- LED X4

**Programming LED**

- Non-Functional Connectors
- For Future Use
3  INITIAL SET-UP

3.1  Pair motor with controller

Select channel on controller.
[Disregard if using single channel controller]

Hold P1 button on motor
Hold STOP on controller

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

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

3.2  Check motor direction

For correct operation UP should open Drapery and DOWN should close.

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

Quick Press = Step
Long Press = Continuous Travel

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

Motor Reponse

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.
3.3 Set limits

The AUTOMATE drapery motor features automatic limit detection. Once the motor is attached to a fabricated, installed track, limits can be set with a few simple actions.

Press the UP or DOWN buttons on controller. Carrier will run to the end of the track.

When carrier has reached the end of the track, it will automatically set limit there. Repeat for opposite end.

IMPORTANT

To verify limits were successfully set, press up or down to run to limit. Motor should now function with slow start/slow stop feature.

⚠ Initial set-up is now complete
4 ADJUSTING LIMITS

4.1 Adjust upper/open limit

Press & hold UP/OPEN and STOP on Controller until the motor responds. Move shade to the desired upper position by pressing the UP/OPEN or DOWN button. To save upper limit, hold UP/OPEN and STOP until the motor responds.

Motor Response

Approx. 5 SECS 3 BEEPS x1

LED x1

4.2 Adjust lower/close limit

Hold DOWN/CLOSE and STOP on controller. Move shade to the desired lowest position by pressing the UP or DOWN/CLOSE button. To save lower limit, hold DOWN/CLOSE and STOP.

Motor Response

Approx. 5 SECS 3 BEEPS x1

LED x1
5 ADDING OR REMOVING CONTROLLERS AND CHANNELS

5.1 Using motor P1 button

Hold P1 button on motor head.

Hold STOP on controller to add or remove

Motor Response

Motor Response

LED x1 RELEASE P1

EXT. BEEP x1

5.2 Using a pre-existing controller

A = Exisiting controller or channel (to keep)
B = Controller or channel or add or remove

Press P2 on existing controller.

Press P2 on existing controller.

Press P2 on new controller.

Motor Response

Motor Response

Motor Response

BEEP x1

BEEP x1

BEEP x3

LED x1

LED x1

LED x5

IMPORTANT

Consult user manual for your controller or sensor.
6 FAVORITE POSITIONING

6.1 Set a favorite position

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

Press **P2** on controller.  
Press **STOP** on controller.  
Press **STOP** controller.

**Motor Response**

<table>
<thead>
<tr>
<th>P2</th>
<th>STOP</th>
<th>STOP</th>
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<tbody>
<tr>
<td>BEEP</td>
<td>BEEP</td>
<td>BEEP</td>
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<tr>
<td>LED</td>
<td>LED</td>
<td>LED</td>
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</table>

6.2 Send shade to favorite position

Hold **STOP** on controller until motor begins moving, then release.

Approx. 3 s
6.3 Delete favorite position

Press **P2** on controller.

Press **STOP** on controller.

Press **STOP** on controller.

Motor Response

Motor Response

Motor Response

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Motor Response

Motor Response

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7 ADJUSTING MOTOR SPEED

7.1 Increase or decrease motor speed

Press **P2** on controller.

Press **UP**

Press **UP**

To increase speed.

To increase speed.

Press **DOWN**

Press **DOWN**

To decrease speed.

To decrease speed.

Motor Response

Motor Response

Motor Response

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Motor Response

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**IMPORTANT**

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

8.1 Enter sleep mode

Sleep mode is used to disable the Radio in the motor, thus it will not react to radio commands when this mode is activated. This feature is useful for administering motor programming functions when the motor is paired to the same channel as other motors.

Hold P1 button on motor head.

Motor Response

8.2 Exit sleep mode

Exit sleep mode once installation is complete.

- TUG on Drape master carrier to activate the motor
- PRESS & RELEASE P1 button on motor head.

Motor Response
### Problem

<table>
<thead>
<tr>
<th>Cause</th>
<th>Remedy</th>
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<tbody>
<tr>
<td>A / C power supply not plugged in.</td>
<td>Check motor to power cable connection and AC plug.</td>
</tr>
<tr>
<td>Transmitter battery is discharged</td>
<td>Replace battery</td>
</tr>
<tr>
<td>Battery is inserted incorrectly into transmitter</td>
<td>Check battery polarity</td>
</tr>
<tr>
<td>Radio interference/shielding</td>
<td>Ensure transmitter is positioned away from metal objects and the aerial on motor or receiver is kept straight and away from metal</td>
</tr>
<tr>
<td>Receiver distance is too far from transmitter</td>
<td>Move transmitter to a closer position</td>
</tr>
<tr>
<td>Power failure</td>
<td>Check power supply to motor is connected and active</td>
</tr>
<tr>
<td>Incorrect wiring</td>
<td>Check that wiring is connected correctly (refer to motor installation instructions)</td>
</tr>
</tbody>
</table>

### Cannot program a single Motor (multiple motors respond)

<table>
<thead>
<tr>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple motors are paired to the same channel.</td>
<td>Always reserve an individual channel for programming functions</td>
</tr>
<tr>
<td></td>
<td>SYSTEM BEST PRACTICE - Provide an extra 15 channel remote in your multi motor projects, that provides individual control for each motor for programming purposes</td>
</tr>
<tr>
<td></td>
<td>Place all other motors into sleep mode [ref to P1 function overview - section 2.2 and section 8]</td>
</tr>
</tbody>
</table>