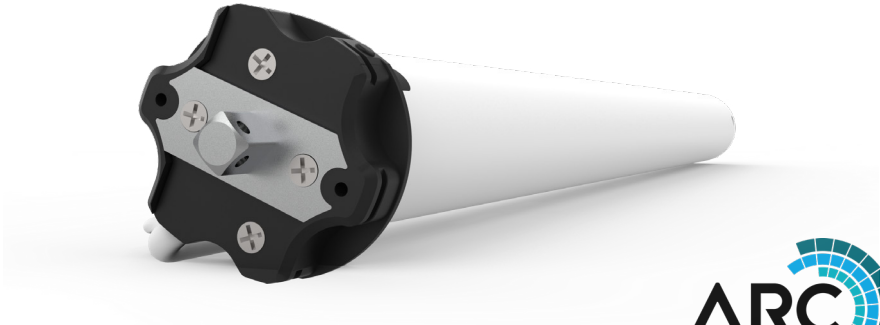


# AUTOMATE™

## X50 VERTICAL DROP AWNING MOTOR

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**433 MHZ  
BI-DIRECTIONAL**



**ELECTRONIC  
LIMIT**



**FAVORITE  
POSITION**

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AUTOMATE | X50 Vertical Drop Awning Motor combine the simple, intuitive features of ARC “Automate Radio Communication” with the higher lifting capacity of an AC motor for larger shade applications.

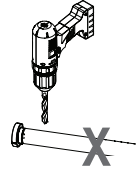
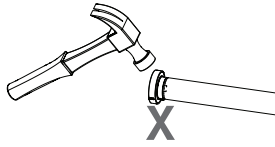
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# SAFETY INSTRUCTIONS

## 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.



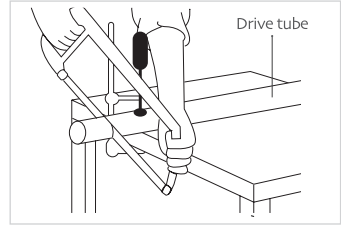
Do not dispose of in general waste.  
Please recycle batteries and damaged electrical products appropriately.



# 1 ASSEMBLY

Please refer to Rollease Acmeda System Assembly Manual for full assembly instructions relevant to the hardware system being used.

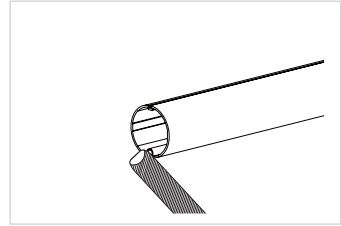
**Step 1.** Cut roller tube to required length.



**Step 2.** Ensure roller tube is clean and free from burrs.

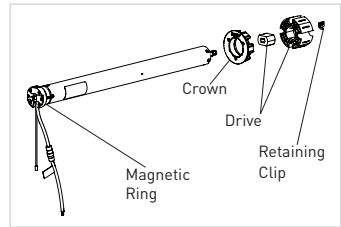


For impact detection to be functional, a 2 piece drive set must be used. Using a standard 1 piece drive will render the collision control feature inoperable even if the feature is turned on.



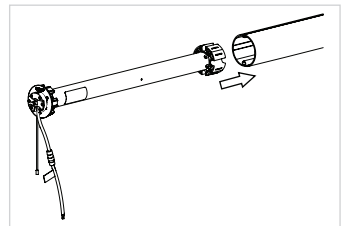
**Step 3.** Fit required crown, drive and bracket adapters.

Tube must be close fitting with chosen crown and drive adapters. A Hall effect sensor embedded in the tube measures the magnetic field change and detect the impact. Refer to Rollease Acmeda System Assembly Manual for recommended crown, drive and bracket adapter kits.



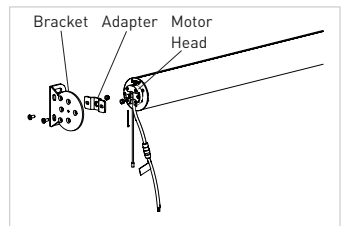
**Step 4.** Slide Motor into tube.

Insert by aligning key-way in crown and drive wheel into the tube.



**Step 5.** Mount motorized tube onto brackets.

Refer to Rollease Acmeda System Assembly Manual for recommended crown, drive and bracket adapter kits.



## 2 WIRING

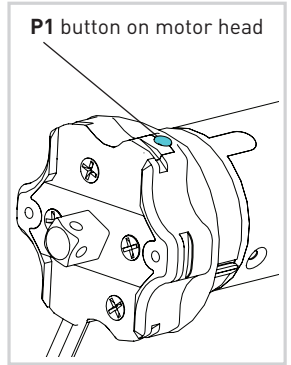
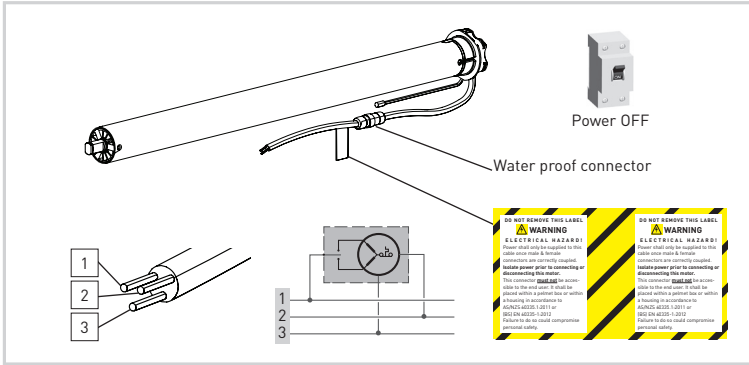
Disconnect the mains power supply.

Connect the motor according to the information in the table below.



Ensure cable is kept clear of fabric.

Ensure antenna is kept straight and away from metal objects.



MOTOR	POWER	NEUTRAL	LIVE	EARTH
MT01-1145-069011	220-240V AC 50Hz	Blue	Brown	Yellow/Green

## 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	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	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

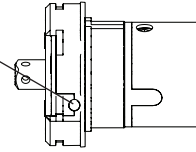
The **P1** Button is utilized to administer motor configurations as described below.

#### Activate Pairing Mode

Approx.  2 SECS



Hold **P1** button on motor head.



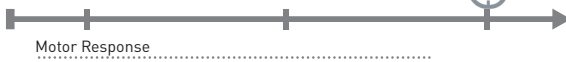
#### Sleep Mode

Approx.  6 SECS



#### Reverse Direction

Approx.  10 SECS



#### Reset To Factory Settings

Approx.  14 SECS



**Factory settings include E-type mode and disable impact detection.**

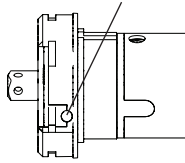
## 4 INITIAL SET UP

### 4.1 Pair motor with controller

Select channel on 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



Motor Response



#### Motor is now in step 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 the motor responds.



**Quick Press** = Step

**Long Press** = Continuous Travel

Motor Response



#### IMPORTANT

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

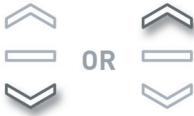
#### IMPORTANT

Reversing motor direction using this method is only possible during initial set-up

## 4.3 Set Limits

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.



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



### **IMPORTANT**

Cycle shade up and down prior to setting limits to settle fabric

Motor Response



### **IMPORTANT**

After setting limits, motor will automatically exit from initial set-up mode.

### **Initial set-up is not complete**



## 5 ADJUSTING LIMITS

### 5.1 Adjust upper limit

Hold **UP** and **STOP** on controller.



Move shade to the desired highest position by pressing the **UP** button.



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



Motor Response



Motor Response



### 5.2 Adjust lower limit

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



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



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



Motor Response



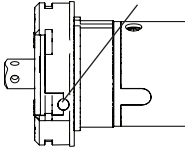
Motor Response



## 6 ADDING OR REMOVING CONTROLLERS AND CHANNELS

### 6.1 Using motor P1 Button to add a new controller or channel

Hold **P1** button on motor head.



Hold **STOP** on controller to add. Motor keeps original limits.



Motor Response



Motor Response



### 6.2 Using a pre-existing controller to add or remove a controller or channel

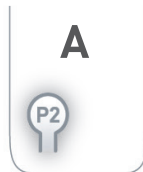
**A** = Existing controller or channel (to keep)

**B** = Controller or channel to add or remove

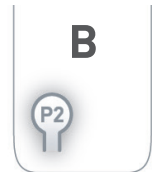
Press **P2** on existing controller.



Press **P2** on existing controller.



Press **P2** on another controller / channel to add or remove



Motor Response



Motor Response



Motor Response



#### IMPORTANT

Consult user manual for your controller or sensor

## 7 FAVORITE POSITIONING

### 7.1 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** on controller.



Motor Response



Motor Response



Motor Response



### 7.2 Send shade to favorite position



### 7.3 Delete favorite position

Press **P2** on controller.



Press **STOP** on controller.



Press **STOP** on controller.



Motor Response



Motor Response



Motor Response



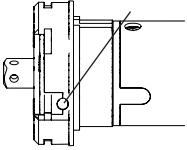
## 8 SLEEP MODE

If multiple motors are grouped on a single channel, Sleep Mode may be used to put all but 1 motor to sleep, allowing programming of just the one motor that remains "Awake".

### Enter Sleep Mode

Sleep mode is utilized to prevent a motor from incorrect configuration during other motor setup.

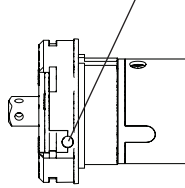
Hold **P1** button on the motor head



### Exit Sleep Mode: Method 1

Exit sleep mode once the shade is ready.

Press and release **P1** button on the motor head



### Exit Sleep Mode: Method 2

Remove power and then re-power the motor.

Motor Response



Motor Response



# 9 WIND SENSOR FUNCTION

## 9.1 Wind Sensor Prioritize Function

Once the motor receives a command from the wind sensor the motor will respond accordingly. At this point the motor will ignore any other remote or sensor commands for 8 minutes. This function is needed to avoid contradicting multiple triggers. Keep this in mind when testing the motor with the remote after the wind sensor has been triggered.

## 9.2 Off line Wind Sensor Function

After the limits has been set and paired to a sensor. The motor will perform a self-check function with the sensor every 30 minutes.

This is used to check if the wind sensor is within range or has sufficient battery power to function (on line). If the motor does not receive a positive confirmation signal from the sensor (after 30 minutes). The motor will move to the upper limit (safe position).

If the sensor remains off-line and the motor is overdriven with a remote, the motor will move in a step or jolting mode to highlight that there is something wrong (sensor off-line) .

This function can be disabled and enabled as follows:

### To Disable

Press **UP+STOP+DOWN** on controller.



Motor Response



### To Re-Enable

Press **UP+STOP+DOWN** on controller.



Motor Response



# 11 TROUBLE SHOOTING

Problem	Cause	Remedy
Motor is not responding	A/C power supply not plugged in.	Check motor to power cable connection and AC plug
	Transmitter battery is discharged	Replace battery
	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
	Power failure	Check power supply to motor is connected and active
	Incorrect wiring	Check that wiring is connected correctly (refer to motor installation instructions)
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 controller in your multi-motor projects, that provides individual control for each motor for programming purposes
		Place all other motors into sleep mode (refer to <b>P1</b> button function overview - Section 3)

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