

# AUTOMATE

## DC ARC TUBULAR MOTOR



**433 MHZ  
BI-DIRECTIONAL**



**ELECTRONIC  
LIMIT**



**SELECTABLE  
RPM**



**FAVORITE  
POSITION**



**LEVEL CONTROL**

AUTOMATE | DC ARC motors offer a low voltage easy to use and program solution to suit a large range of applications, torques and speeds.

Leveling Control allows for precise positioning of multiple shades ensuring perfect alignment.

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

### FEATURES:

- Electronic Limits
- 433 MHz Bi-Directional RF Communication
- Leveling Control
- 3 x Selectable Rpm
- Favorite Position
- Roller & Tilt Modes
- Narrow Shade Options

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# 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 configuration as described below and beginning in Section

**Activate Pairing Mode**

Approx. 2 SECS

Motor Response

**RELEASE P1**

JOG X1 BEEP X1

**Sleep Mode**

Approx. 6 SECS

Motor Response

**RELEASE P1**

JOG X1 JOG X1 BEEP X2

**Reverse Direction**

Approx. 10 SECS

Motor Response

**RELEASE P1**

JOG X1 JOG X1 JOG X1 BEEP X3

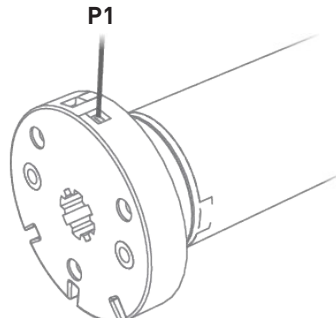
**Reset To Factory Settings**

Approx. 14 SECS

Motor Response

JOG X1 JOG X1 JOG X1 BEEP X4 JOG X1

Hold P1



**NOTE**

Reverse motor direction from **P1** button only when motor does not have any limits.

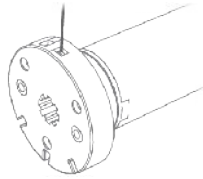
## 4 INTIAL SET-UP

### 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



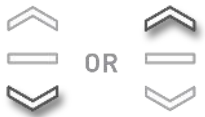
Motor Response



**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 now 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



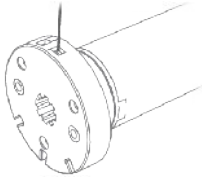
Motor Response



## 6 ADDING OR REMOVING CONTROLLERS AND CHANNELS

### 6.1 Using motor P1 button

Hold **P1** button on motor head.



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



Motor Response



Motor Response



### 6.2 Using a pre-existing controller

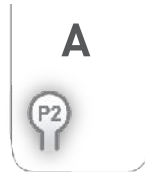
**A**= Existing controller or channel (to keep)

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

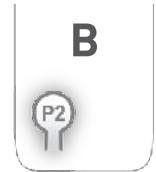
Press **P2** on existing controller.



Press **P2** on existing controller.



Press **P2** on new controller.



Motor Response



Motor Response



Motor Response



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.



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.



### 7.3 Delete favorite position

Press **P2** on controller.



Motor Response



Press **STOP** on controller.



Motor Response



Press **STOP** on controller.



Motor Response



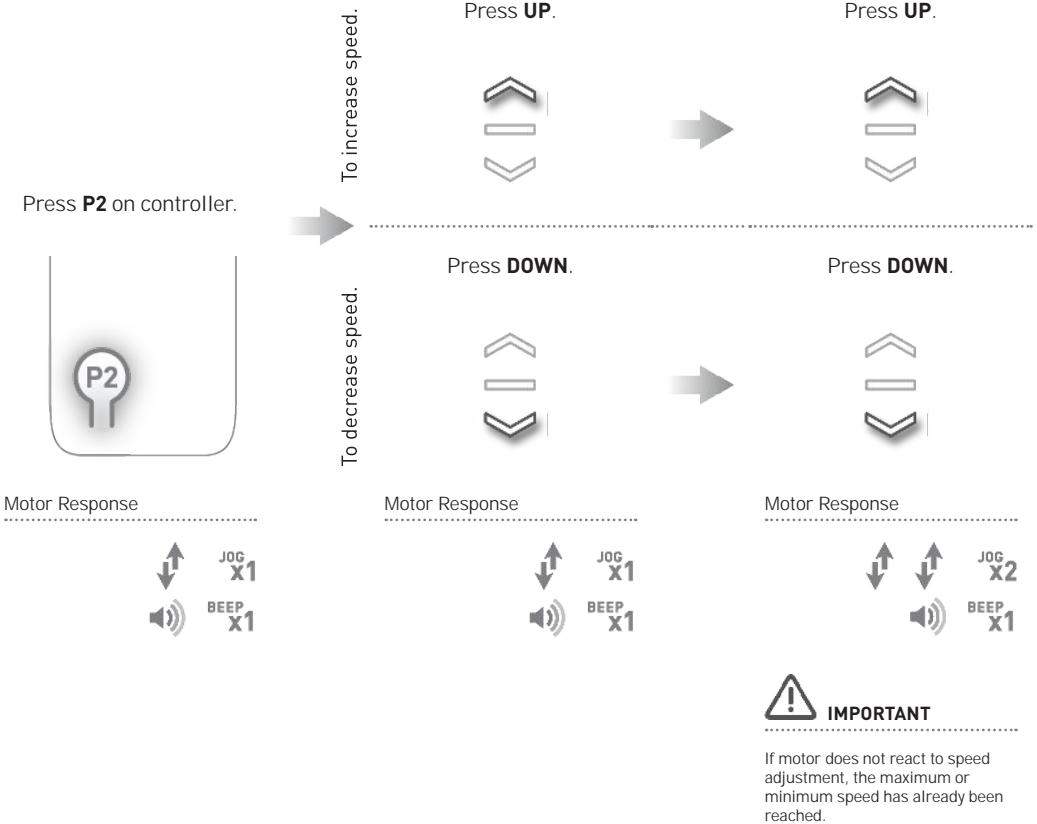


# 8 ADJUSTING MOTOR SPEED

## 8.1 Increase or decrease motor speed

To adjust motor speed, follow these three steps for each level of speed adjustment.

There are three speeds available



## 9 TILT & ROLLER MODE

### 9.1 Enter tilt mode

For slat adjustment on venetians.

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

Press **STOP**.



Motor Response



Motor Response



### 9.2 Enter roller mode (Default)

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

Press **STOP**.



Motor Response



Motor Response

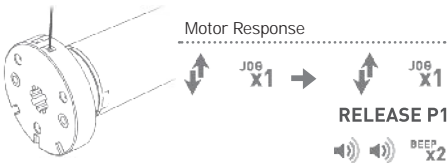


## 10 SLEEP MODE

### Enter Sleep Mode

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

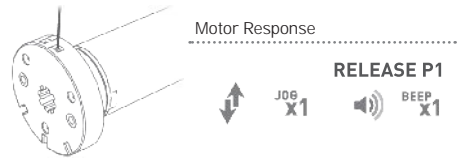
Hold **P1** button on the motor head



### Exit Sleep Mode

Exit sleep mode once the shade is installed

Hold **P1** button on the motor head



# 11 TROUBLESHOOTING

Problem	Cause	Remedy
Motor is not responding	Batteries in wand are depleted	Replace 8 x AA alkaline batteries.
	A/C power supply not plugged in.	Check motor to power cable connection and AC plug.
	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
	Power failure	Check power supply to motor is connected and active
	Incorrect wiring	Check that wiring is connected correctly (refer to motor installation instructions)
Motor beeps 10 times when in use	Battery voltage is low.	Replace batteries in battery wand -OR- Recharge rechargeable battery pack.
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 motoprps into sleep mode (ref to <b>P1</b> button function overview - Section 3)