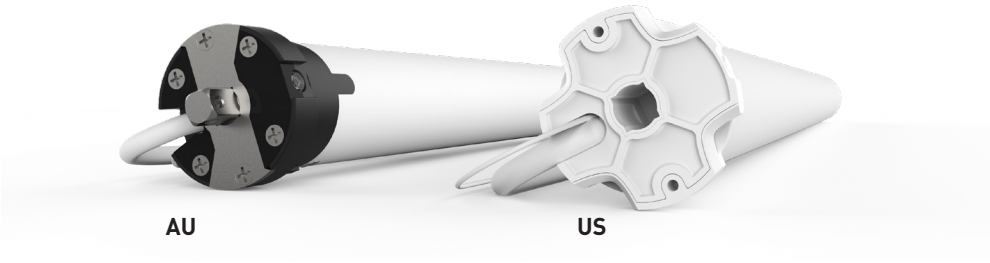
AUTOMATE®

ARC TUBULAR FT MOTOR



AU US

433 MHz Bi-Directional | Electronic Limit | Favorite Position | Automate Radio Communication | Impact Detection | Fabric Tension | Ultra Lock

AUTOMATE | FT tubular AC motors combine the simple, intuitive features of ARC “Automate Radio Communication” with the higher lifting capacity of an AC motor for larger shade applications. Three alternate modes of operation include:

- E-type for standard use
- MANUAL FT Mode for use with conventional locking devices with fabric tensioning
- AUTO FT Mode for use with Rollease Acmeda’s proprietary ULTRA LOCK providing automatic fabric tensioning
- Functional options in each operating mode include: IMPACT DETECTION and FAVORITE POSITION.
- IMPACT DETECTION senses an obstacle in the blinds path during downward movement and redirects the shade to protect the motor, hardware and fabric, ensuring product longevity.
- An intermediate setting allows for a customized FAVORITE POSITION to be preset.

FEATURES:

- Impact Detection (Zipscreen Only)
- High Fabric tension torque
- 433 MHz Bi-Directional RF Communication
- Electronic Limit
- Favorite Position
- Ideal for premium outdoor Zipscreen shade solution
- One action to lock & un-lock shade

INSTR. MT01-1145-0xx00x_v2.1_January_2025

CONTENTS

FCC COMPLIANCE STATEMENT

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.

FCC Caution:

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

Innovation, Science and Economic Development (ISED) Canada Compliance Statement

This device complies with Innovation, Science, and Economic Development 7 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' Innovation, Science et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

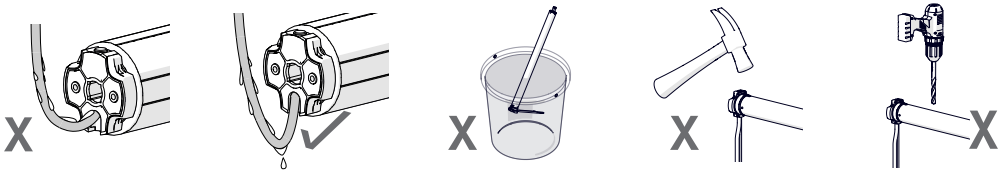
(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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 deactivate 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.
- Route motor cable to create a drip loop (see above)
- 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.

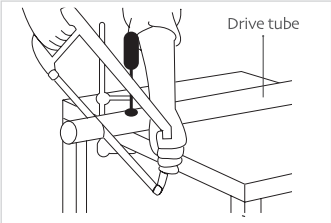
- It is important for the safety of persons to follow the enclosed instructions. Save these instructions for future reference.
- Persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge should not be allowed to use this product.
- Keep remote 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.

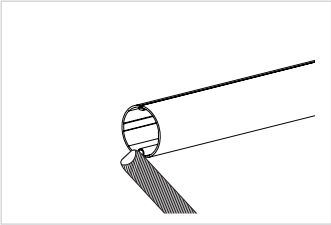
1 ASSEMBLY

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.



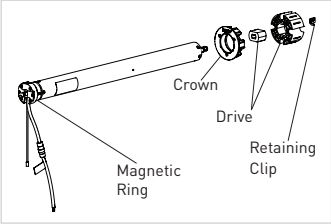
Step 2. Ensure roller tube is clean and free from burrs.



For impact dectection 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.

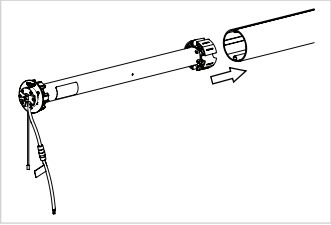
Step 3. Fit required crown, drive and bracket adapters.

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.



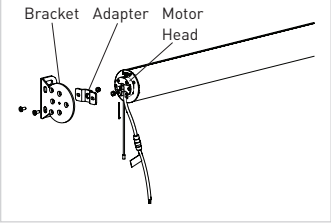
Step 4. Slide Motor into tube.

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, MODES & ZONES

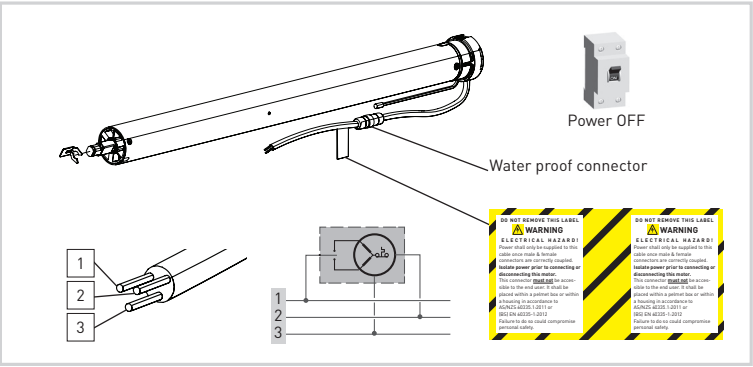
2.1 AU FT Motor

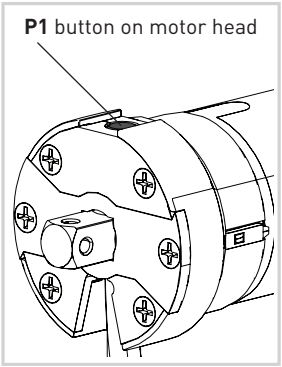
Disconnect the mains power supply.

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.



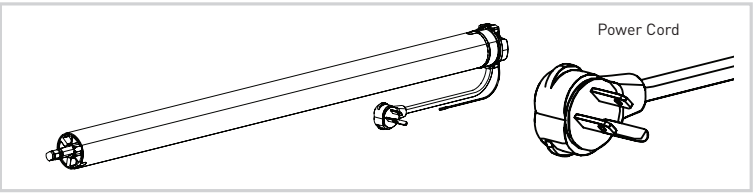


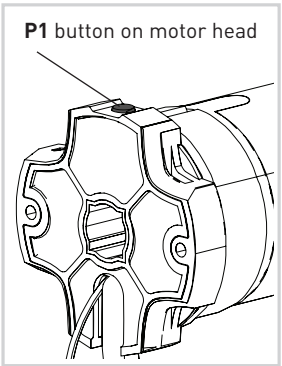
MOTOR	POWER	NEUTRAL	LIVE	EARTH
MT01-1145-050001	220-240V AC 50Hz	Blue	Brown	Yellow/Green
MT01-1145-050012	220-240V AC 50Hz	Blue	Brown	Yellow/Green

2.2 US FT Motors

Ensure cable is kept clear of fabric.

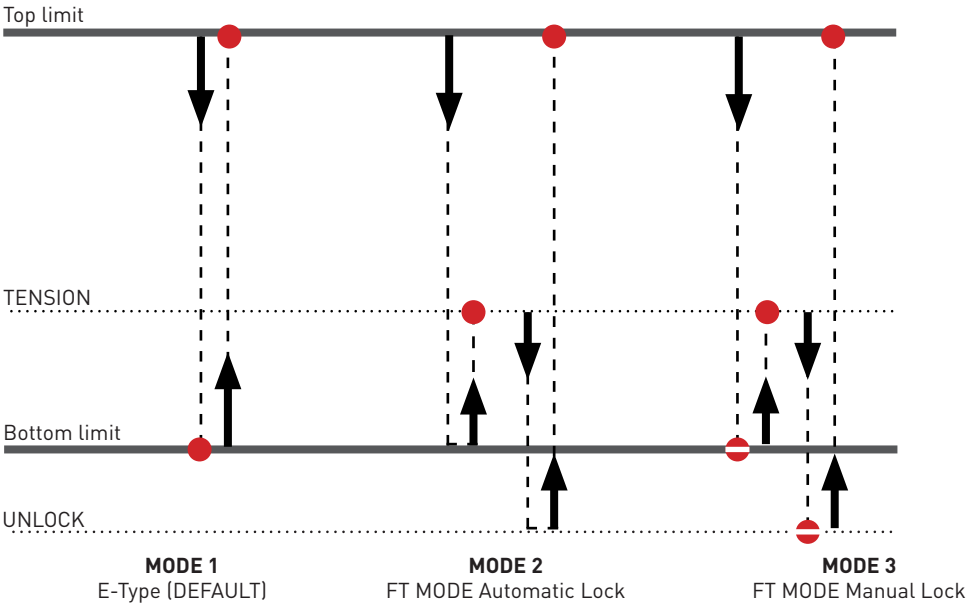
Ensure antenna is kept straight and away from metal objects.





MOTOR	POWER CORD LENGTH	POWER	NEUTRAL	LIVE	EARTH
MT01-1145-069003	118 in. (3000mm)	120 VAC / 60Hz	White	Black	Green

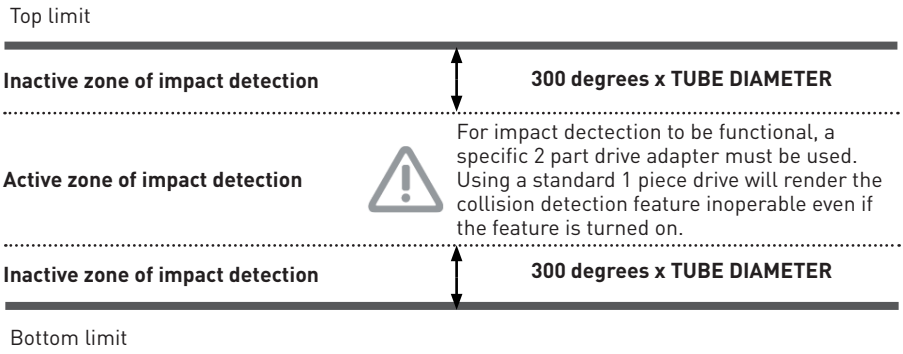
2.3 Selectable Modes



LEGEND	
END OF CYCLE	●
CYCLE PAUSE	⊖

2.4 Impact Detection

Impact detection is deactivated by default. Impact detection may be activated in all 3 modes. If an obstacle is detected twice in the shade path during downwards movement, the motor lifts the shade up ~ 7.87in. (20cm).



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.

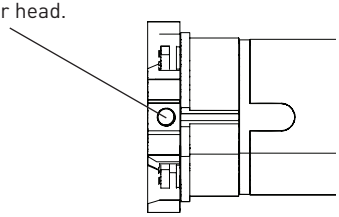
P1 Press	Condition	Function Achieved	Visual Feedback	Audible Feedback	Function Described
Short Press	If limit is NOT set	None	No Action	None	No Action
	If limits are set	Operational control of motor, run to limit. Stop if running	Motor Runs	None	Operational control of motor after pairing and limit setting 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.

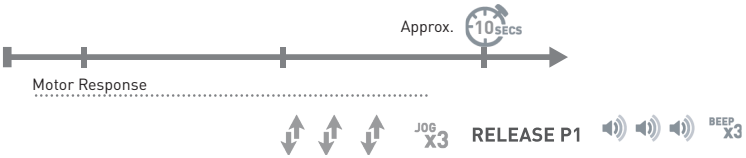
Activate Pairing Mode

Hold **P1** button on motor head.

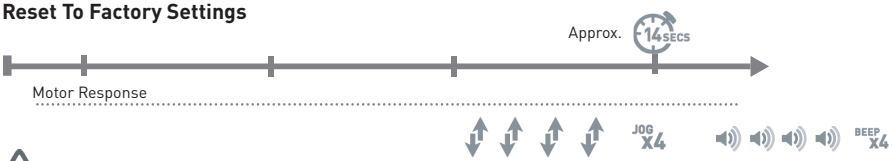


Sleep Mode

Reverse Direction



Reset To Factory Settings



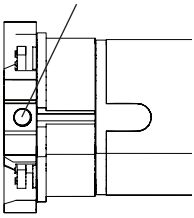
Factory settings include E-type mode and deactivate impact detection.

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.

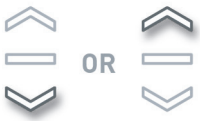
Motor Response

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..



Quick Press = Step
Long Press = Continuous Travel

To reverse shade direction, hold both **UP** and **DOWN**.

Until the motor responds.

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 Upper Limit

IMPORTANT

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

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

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

Motor Response

Approx. 5 SECS

4.4 Set Lower Limit

IMPORTANT (ULTRA-LOCK V2 ONLY)

When using the Ultra-lock, the bottom limit must be set within the 'locking zone'. Jog the weightbar down until you hear the locking pin click into the latch housing.
Once the bottom limit is set, refer to Section 10 to activate Fabric Tension Mode.

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

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

Motor Response

Approx. 5 SECS

IMPORTANT

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

Initial set-up is 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

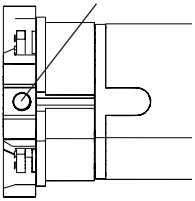
IMPORTANT (ULTRA-LOCK V2 ONLY)

When using the Ultra-lock V2, the bottom limit must be set within the 'locking zone'. Jog the weightbar down until you hear both locking pins click into each latch housing.

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

Approx. 2 SECS

JOG x1

RELEASE P1

EXT. BEEP x1

Motor Response

Approx. 2 SECS

JOG x2

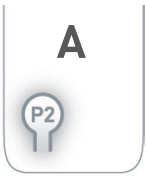
BEEP x3

6.2 Using a pre-existing controller to add or delete a controller or channel

A = Existing controller or channel (to keep)

B = Controller or channel to add or remove

Press **P2** on existing controller.



Motor Response

JOG x1

BEEP x1

Press **P2** on existing controller.

Motor Response

JOG x1

BEEP x1

Press **P2** on an existing controller to add or remove it.

Motor Response

JOG x2

BEEP x3

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.

Motor Response

Press **STOP** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

7.2 Send shade to favorite position

7.3 Delete favorite position

Press **P2** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

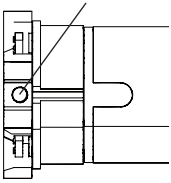
8 SLEEP MODE

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



Motor Response

Approx. 6 SECS — JOG x2

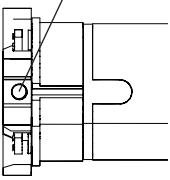
RELEASE P1

BEEP x2

Exit Sleep Mode: Method 1

Exit sleep mode once the shade is ready.

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



Motor Response

JOG x1

Exit Sleep Mode: Method 2

Remove power and then re-power the motor.

9 IMPACT DETECTION MODE

The Impact Detection feature only works in the active zone during downward movement (see Section 2.4).

All three modes have this impact detection feature deactivated by default (see Section 2.3).

Repeat sequence to turn on or off as required.

Press **P2** on controller.

Motor Response

JOG x1

BEEP x1

Press **DOWN** on controller.

Motor Response

JOG x1

BEEP x1

Press **DOWN** on controller.

Impact Detection ON

Motor Response

JOG x2

BEEP x3

Impact Detection OFF

Motor Response

JOG x1

BEEP x1

IMPORTANT

A 2 piece drive set must be used for impact detection to be functional. The use of a standard 1 part drive adapter renders the impact detection feature in-operable.

The top tube must be able to freely rotate ~ 5 degrees after installation.

10 FT FUNCTION SETTING

10.1 Activate / Deactivate Fabric Tension Mode

Note: When activating FT Mode for the first time, AUTOMATIC Lock Mode is selected.

Press **P2** on controller.

Press **UP** on controller.

Press **UP** on controller.

FT MODE:

Motor Response

NO FT MODE:

Motor Response

10.2 Switching between Auto & Manual Lock Mode

Note: Motor must be in FT mode before switching between lock modes.

Press **P2** on controller.

Press **STOP** on controller.

Press **DOWN** on controller.

AUTO MODE:

Motor Response

MANUAL MODE:

Motor Response

10.3 Auto Mode Operation

LOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** and **UP** to engage the Ultra Lock.

UNLOCK

Press **UP** on controller.

Motor Response

Shade moves **DOWN** to release Ultra Lock and then **UP** to the top limit.

10.4 Manual Mode Operation

LOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** to the bottom limit, then pauses.

Press **UP** on controller.

Motor Response

Shade moves **UP** to engage the locking device.

UNLOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** to release the Locking device, then pauses.

Press **UP** on controller.

Motor Response

Shade moves **UP** to the top limit.

11 SUN AND WIND SENSOR

Ensure the Sun and Wind sensor functionality on the motor is activated prior to pairing the Sun and Wind sensor.

11.1 Activate/Deactivate Sun and Wind sensor functionality on the Motor

Note: Functionality activated by default.

PRESS **P2** ON CONTROLLER

Motor Response

PRESS **UP** ON CONTROLLER

Motor Response

PRESS **STOP** ON CONTROLLER

Motor Response (Activated)

Motor Response (Deactivated)

11.2 Pairing Sun and Wind sensor to Motor

ON REMOTE

PRESS **P2** ON CONTROLLER

Motor Response

PRESS **P2** ON CONTROLLER

Motor Response

ON SENSOR

PRESS **P2** TO WAKE THE SENSOR

PRESS **P2** ON AN EXISTING CONTROLLER TO ADD OR REMOVE IT.

Motor Response

12 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 to 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 **P1** button function overview - Section 3)

13 NOTES

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