AUTOMATE™
ARC Motion Sensor Instructions

433 MHZ
BI-DIRECTIONAL

The ARC Motion Sensor is used to detect motion on a shade. The result of strong vibration can trigger a paired awning motor to move the shade to its home position for protection. The motion sensor can only be programmed to operate External Motors (15Nm and upwards).
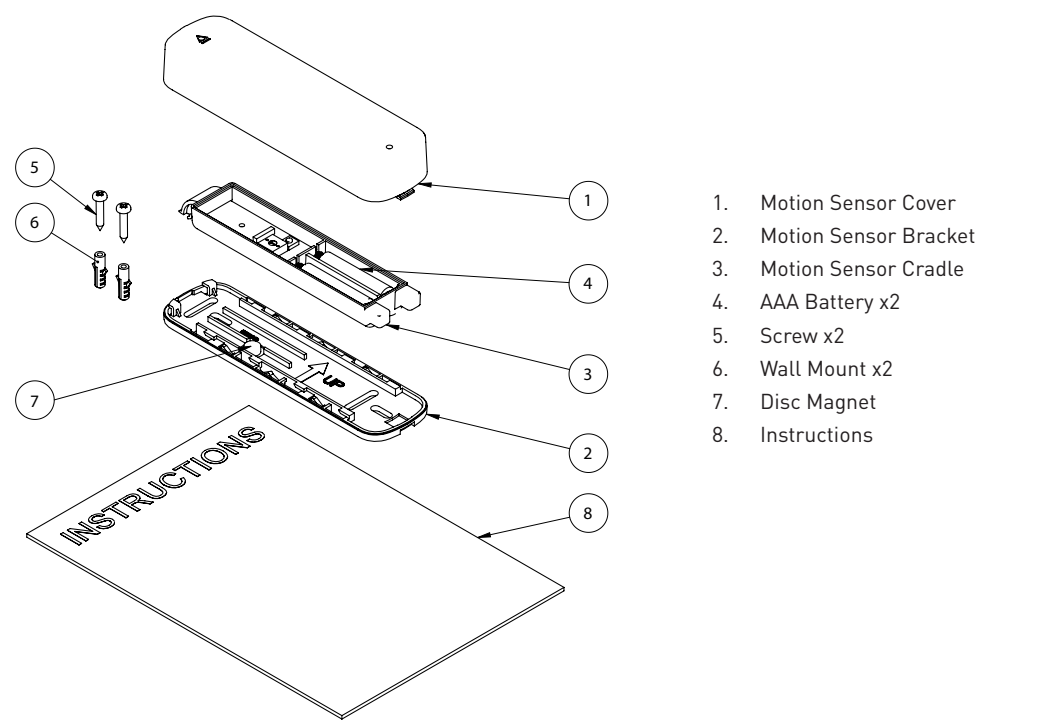
FEATURES:

• Compatible with AUTOMATE awning motors and controllers

• Suitable for fitting to awning terminal bars

• Provides protection from excessive wind gusts

• 9 x levels of sensitivity

• Low battery warning

ROLLEASE
ACMEDA
PRECISION IN MOTION

CONTENTS

KIT COMPONENTS

1. Motion Sensor Cover
2. Motion Sensor Bracket
3. Motion Sensor Cradle
4. AAA Battery x2
5. Screw x2
6. Wall Mount x2
7. Disc Magnet
8. Instructions

1   SAFETY INSTRUCTIONS

WARNING: Important safety instructions to be read before installation and use.

Incorrect installation or use can lead to serious injury and will void manufacturer's liability and warranty.

It is important for the safety of persons to follow the enclosed instructions. Save these instructions for future reference.

- Do not expose to water, moisture, humid and damp environments or extreme temperatures.

- Persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge should not be allowed to use this product.

- Use or modification outside the scope of this instruction manual will void warranty.

- Installation and programming to be performed by a suitably qualified installer.

- Follow installation instructions.

- For use with motorized shading devices.

- Keep away from children.

- Frequently inspect for improper operation. Do not use if repair or adjustment is necessary.

- Keep clear when in operation.

- Replace battery with correctly specified type.

Rollease Acmeda declares this equipment is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive 2014/53/EU.

Statement Regarding FCC / IC Compliance

This device complies with Part 15 of the FCC Rules / Industry Canada license-exempt RSS standard(s). 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.

Le présent appareil est conforme aux CNR d'Industrie 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.

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

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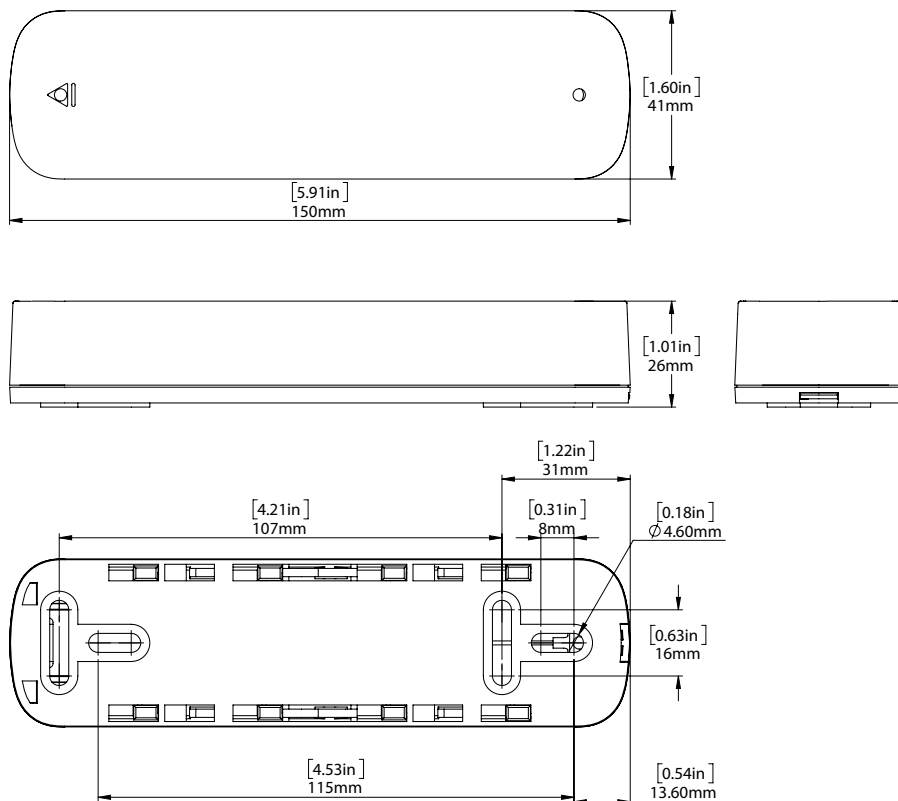
Do not dispose of in general waste. Please recycle batteries and damaged electrical products appropriately.

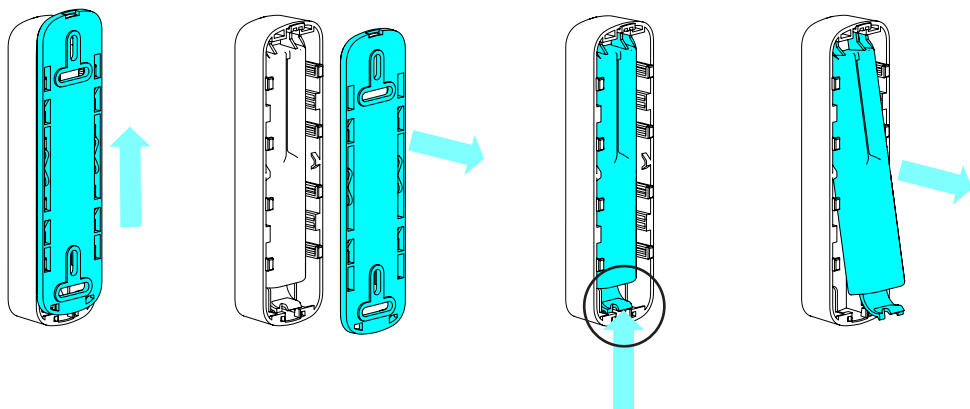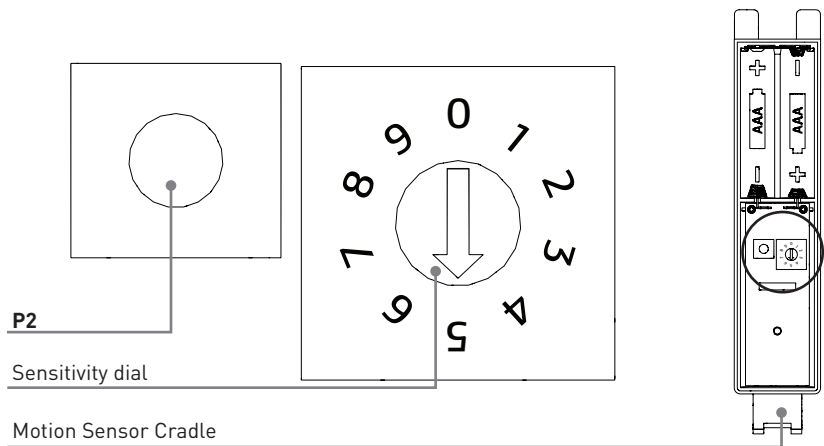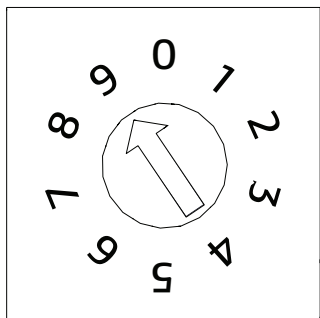FCC ID: 2AGGZMT0203012
IC: 21769-MT0203012

2.1 DIMENSIONS

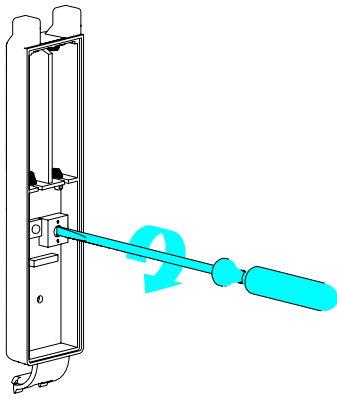### 2.2 COVER REMOVAL

2.3 P2 BUTTON & SENSITIVITY DIAL

P2

Sensitivity dial

Motion Sensor Cradle

2.4 SENSITIVITY DIAL ADJUSTMENT
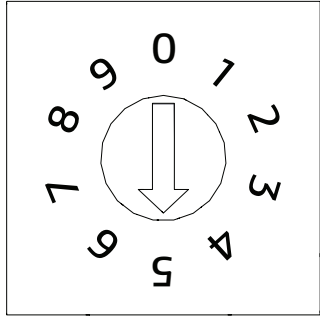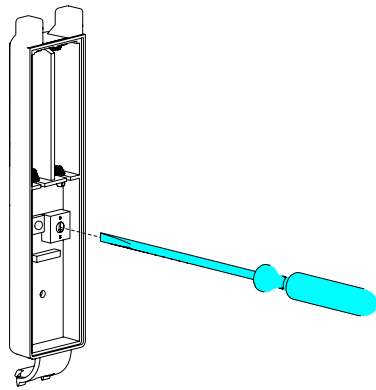
NOTE: Adjust clockwise

3 FUNCTION

3.1 SENSITIVITY DIAL / P2 OPERATION

- Dial Set to 0: Sensor is in pairing mode.
- Dial Set to 1-9: In Active mode, sensitivity, Highest - Lowest.
- Dial set to 5: Move motor to upper limit/Motion Sensor in Active mode.
- Dial set to 9: Move motor to bottom limit/ Motion Sensor in Inactive mode.

⚠ When battery voltage is lower than 2.3 V, it beeps every 5 seconds.

Adjust sensitivity accordingly. The detected vibration range is 3G. (1G = 9.8 m/s^2)

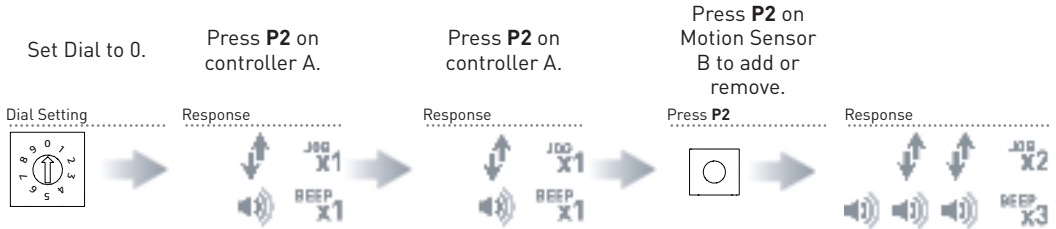High sensitivity could cause awning to react under slight wind.

If the disc magnet is dislodged, the vibration detection and low battery alarm functions are invalid.

3.2 PAIRING TO MOTION SENSOR

1. Set Sensitivity Dial to zero
2. Pair or unpair a motor to the sensor using a pre-paired remote

A = Existing controller or channel (to keep)
B = Motion Sensor to add or remove

Set Dial to 0.	Press **P2** on controller A.	Press **P2** on controller A.	Press **P2** on Motion Sensor B to add or remove.
Dial Setting	Response	Response	Press P2	Response

Once paired, confirm Motion sensor is working with motor. To do this, use the Sensor as a Remote.

NOTE:

- The ARC Motion Sensor can only be connected and paired to External Motors (15Nm and above).
- After the sensor is paired to a motor, it can independently drive the motor without the remote.

IMPORTANT NOTE:

To pair an unpaired motion sensor back to the motor, set the dial to 5 and press and hold **P2** until it emits 2 beeps.
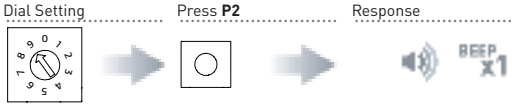
Alternatively, you can reset the motor to its factory settings and pair the motions sensor back but this may not always be the ideal solution.
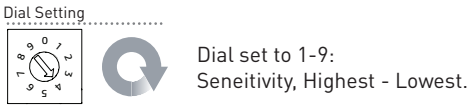
3.3 USE SENSOR AS REMOTE

To move shade to top limit, set dial to 5 and press P2.

Dial Setting .... Press **P2** .... Response
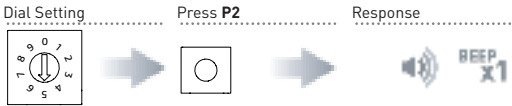
To move shade to bottom limit, set dial to 9 and press P2.

Dial Setting .... Press **P2** .... Response

Once confirmed Sensor and Motor are talking together, set sensitivity.

Dial Setting ....
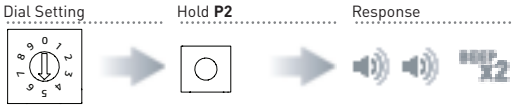
Dial set to 1-9:
Seneitivity, Highest - Lowest.

3.4 ADDITIONAL FUNCTION | ACTIVE MODE

To turn on motion sensing function of the motion sensor (ACTIVE MODE), set dial to 5, and hold P2 until the remote emits two beeps.

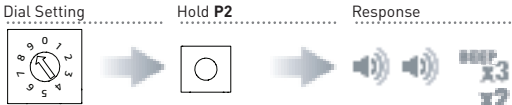In this mode, sensitivity is adjusted by the dial.

When motion sensor is triggered, shade will move to upper limit. After each trigger, the motion sensor will not trigger again for another 30 seconds.

Dial Setting .... Hold **P2** .... Response

3.5 ADDITIONAL FUNCTION | INACTIVE MODE

To turn off motion sensing function of the motion sensor (INACTIVE MODE), set dial to 9, and hold P2 until the remote emits two beeps.

In this mode, the motion sensor will not trigger the shade to move. The sensor can still be used as a remote to move the shade up or down.

Dial Setting .... Hold **P2** .... Response

Problem	Cause	Remedy
Sensor does not work	Battery is discharged	Replace battery
	Battery is inserted incorrectly	Check battery polarity
Motor is not responding	Radio interference / Shielding	Ensures sensor is positioned away from metal objects and that aerial on motor is kept straight and away from metal
	Receiver distance is too far from transmitter	Move sensor to a closer position
	Power failure	Check power supply to motor is connected and active
	Incorrect wiring	Check wiring is connected correctly (refer to motor installation instructions)
	Pairing error	Set dial to 5 or 9 and press multi function button to verify motor reacts
Awning constantly retracts during operation	Sensitivity set too high	Reduce sensitivity
Awning does not react to wind setting	Wind Sensitivity is too high	Adjust sensitivity
	Duration of wind intensity level is less than 3 seconds	Wind gust durations must be over 3 seconds to trigger
Sensor causes awning to extend instead of retract	Direction is incorrect	Use remote to delete existing upper/lower limits, hold **UP** and **DOWN** button to reverse direction, then set the upper/lower limits again
Sensor beeps every five seconds	Flat batteries	Replace batteries with correct type