AUTOMATE®

PROGRAMMING INSTRUCTIONS MANUAL

ARC Motion Sensor

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
- Loss of communication safeguard technology

CONTENTS

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

IMPORTANT INFORMATION

Each motor can only be paired with one sensor at a time. It is not possible to connect multiple sensors to a single motor, including any combination of, but not limited to:

- Sun & Wind Sensor + Motion Sensor
- Internal Sun Sensor + Motion Sensor
- Two Sun & Wind Sensors
- Two Motion Sensors
- Two Internal Sun Sensors

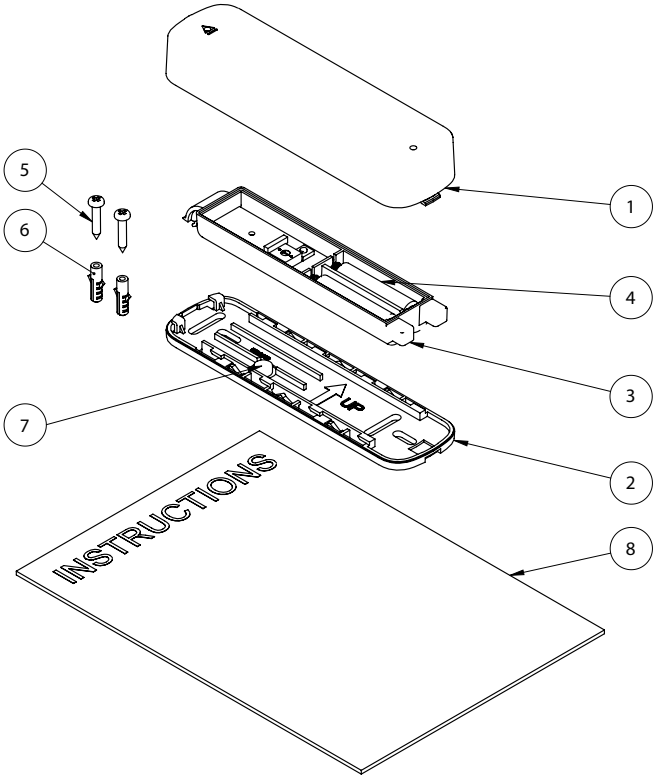
If a new sensor is paired with a motor, it will override the previously paired sensor.
Multiple motors can be paired to one sensor. E.g., one Sun Sensor and three motors.

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

FCC ID: 2AGGZMT0203012
IC: 21769-MT0203012

2 OVERVIEW

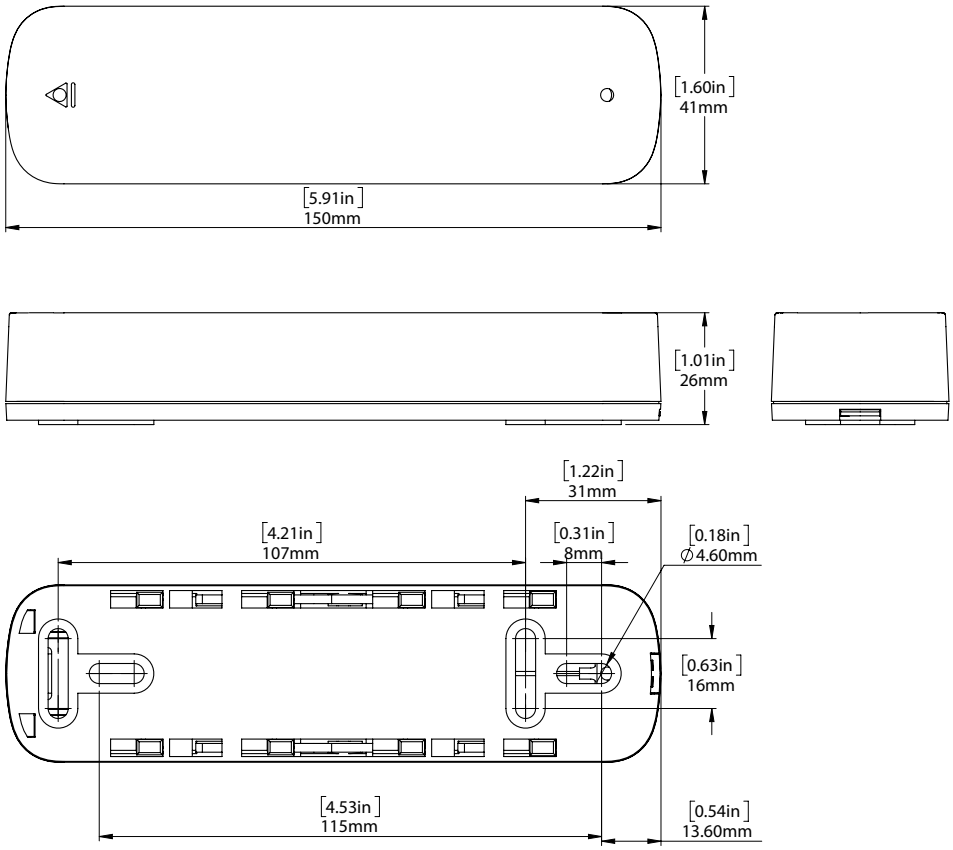
2.1 COMPONENTS



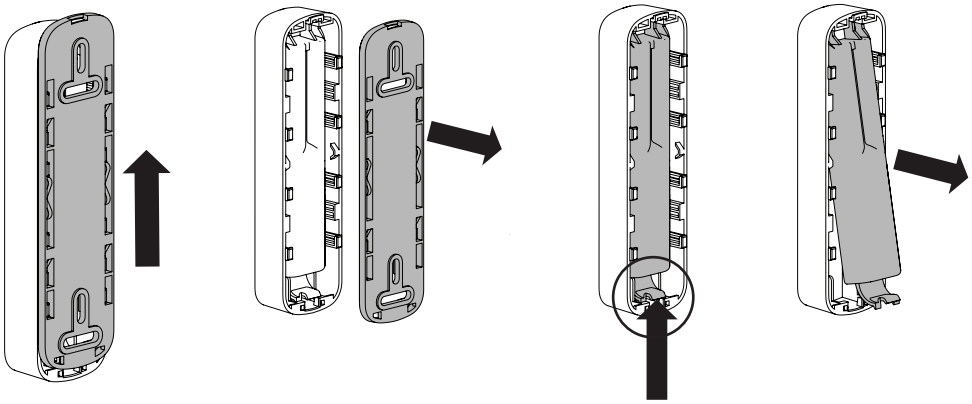
1. Motion Sensor Cover
2. Motion Sensor Bracket
3. Motion Sensor Cradle
4. AAA Battery x2
5. Screw x2
6. Wall Mount x2
7. Disc Magnet
8. Instructions

2 OVERVIEW

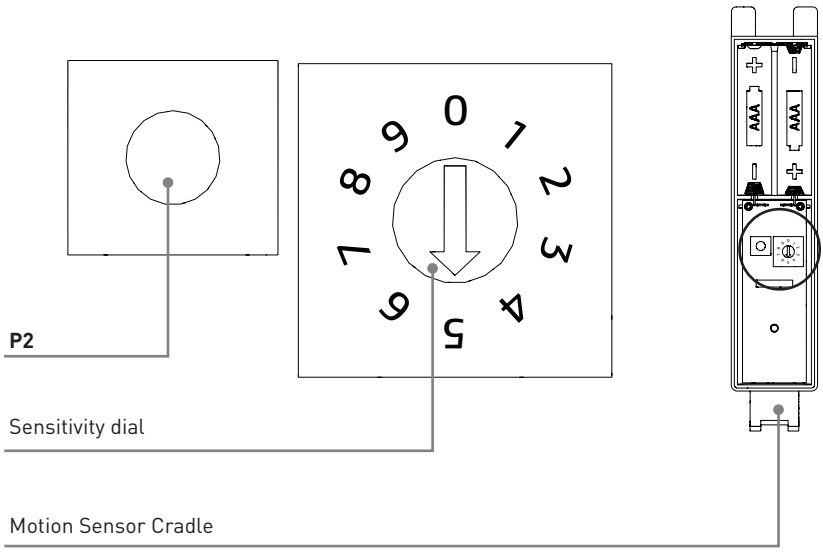
2.1 DIMENSIONS



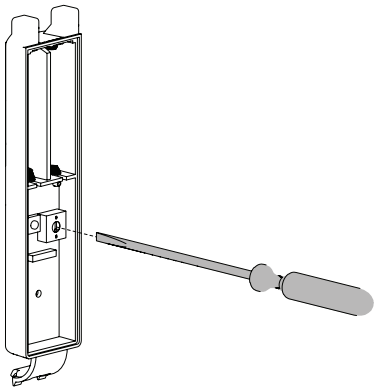
2.2 COVER REMOVAL

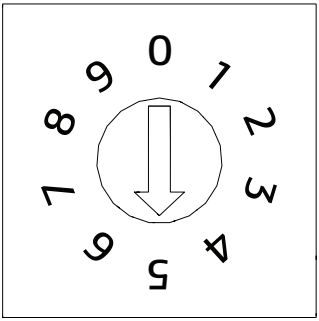


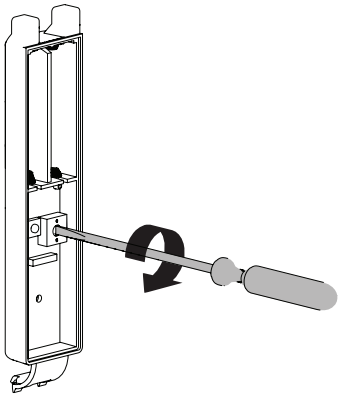
2.3 P2 BUTTON & SENSITIVITY DIAL

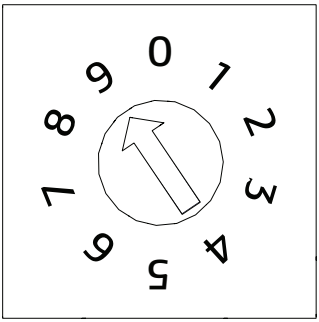


2.4 SENSITIVITY DIAL ADJUSTMENT









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.

3.2 SAFEGUARD TECHNOLOGY

Once the sensor is paired to an Automate external motor, the sensor will check in with the motor every 30mins.

If the motor does not receive the signal at the checkpoint, the motor will close the awning as a protective measure.

This is a sign that there is a fault in the sensor or that the batteries have gone flat. If this happens, you will need to replace the 2 X AAA alkaline batteries. To access the sensor, press down on the remote and the awning will move in a stepping mode to allow for easy access and appropriate troubleshooting/action.

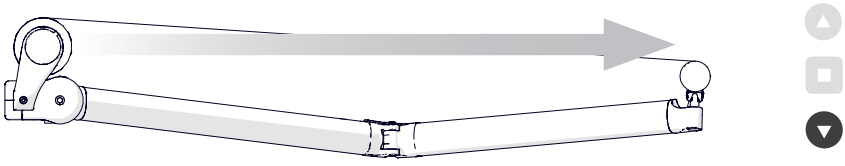
NOTE: We recommend replacing the batteries every 12 months.

3.3 AWNING DIRECTION

Confirm that awning direction is setup as below so any paired sensors will activate correctly.

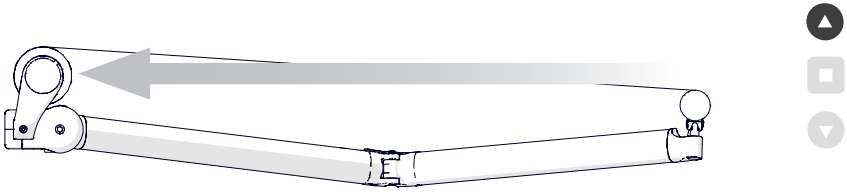
DOWN on the remote OPENS the Awning (awning moves in an outward direction).

E.g.



And **UP** on the remote CLOSES the Awning (awning moves in an inward direction).

E.g.



4 SETUP

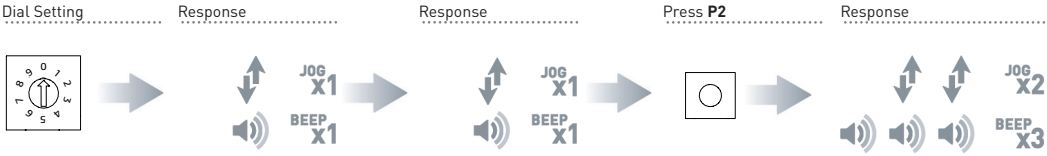
4.1 PAIRING TO MOTION SENSOR

The ARC Motion Sensor can only be connected and paired to External Motors (15Nm and above).

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

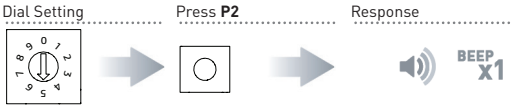
STEP 1	STEP 2		STEP 3
Set Dial to 0.	Press **P2** on controller A.	Press **P2** on controller A.	Press **P2** on Motion Sensor B to add or remove.



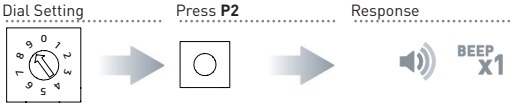
Once paired, confirm Motion sensor is working with motor. To do this, use the Sensor as a Remote.

4.2 USE SENSOR AS REMOTE

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

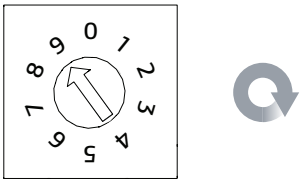


To move shade to bottom limit, set dial to 9 and press P2.



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

Dial set to 1-9: Sensitivity, Highest - Lowest.

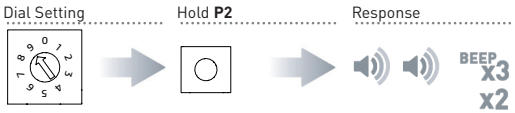


5 ADDITIONAL FUNCTIONS

5.1 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.

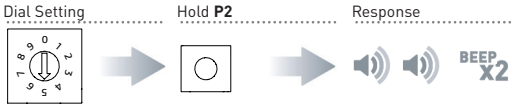


5.2 ACTIVE MODE

To turn on motion sensor back into (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.



6 ADDITIONAL INFORMATION

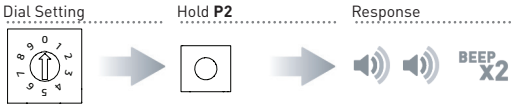
6.1 WARNING / CAUTION

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.

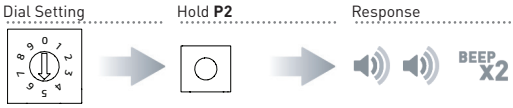
6.2 UNPAIR MOTION SENSOR

To unpair motion sensor set the dial to 0 and press and hold p2 on motion sensor until 2 beeps.



6.3 RE-PAIR MOTION SENSOR

To re-pair motion sensor move the dial to 5 and press and hold p2 on motion sensor until 2 beeps.



Alternatively, you can factory reset the motor to clear all paired sensors.

7 TROUBLE SHOOTING

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 beeps every five seconds	Flat batteries	Replace batteries with correct type
Awning retracts after approximately 30mins	Safeguard feature	Communication between motor and sensor has been lost. Replace the 2 x alkaline batteries and check motion sensor is working correctly.
Awning retracted and not operating (not getting stepping mode function)	Sensor has been triggered.	Once the sensor has been triggered there is an 8min lockout as a protective measure.
Safeguard feature is not triggering	Motor and sensor checking timing	Motor and sensor need to have at least 1 check in before this feature is enabled, this occurs every 30mins.

NOTE

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