

# AUTOMATE

## Interior Sun Sensor



433 MHz

Internal sun sensor for automatic shade control.

### FEATURES:

- 3 Modes of operation:
  - Close Mode
  - Open / Close Mode
  - Shade Detect Mode
- 4 Light sensitivity levels
- Low battery warning

# CONTENTS

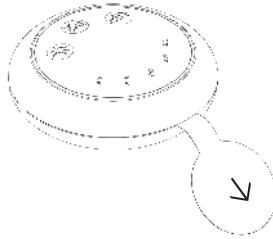
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|          |   |           |
|----------|---|-----------|
| <b>3</b> | <b>INSTALLATION</b>   | <b>5</b>  |
| 3.1      | Sensor battery  | 5         |
| 3.2      | Replacing battery   | 5         |
| 3.3      | Mounting  | 5         |
| <b>4</b> | <b>FUNCTIONAL OVERVIEW</b>                                    | <b>6</b>  |
| 4.1      | Buttons   | 6         |
| 4.2      | Modes   | 6         |
| 4.3      | View and change sensor mode                                   | 7         |
| 4.4      | Light levels of light intensity values                        | 7         |
| 4.5      | Light intensity detection                                     | 7         |
| 4.6      | Low battery notification                                      | 7         |
| 4.7      | <b>UP</b> button  | 7         |
| <b>5</b> | <b>PROGRAMMING</b>  | <b>8</b>  |
| 5.1      | Protocol selection  | 8         |
| <b>6</b> | <b>ADDING OR REMOVING SENSOR &amp; CREATING GROUP CONTROL</b> | <b>9</b>  |
| 6.1      | Using Motor P1 Button   | 9         |
| 6.2      | Using a pre-existing Controller                               | 9         |
| <b>7</b> | <b>TROUBLESHOOTING</b>  | <b>10</b> |
| <b>8</b> | <b>NOTES</b>  | <b>11</b> |

## 3 INSTALLATION

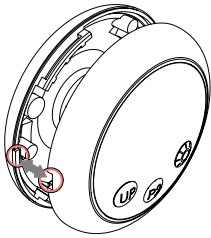
### 3.1 Sensor battery

Pull battery tab out to activate for first use.

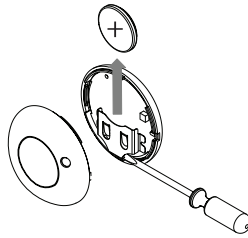


### 3.2 Replacing battery

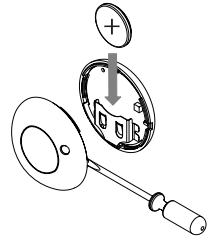
Pry open using flat head screw driver where notches meet on the sensor.



Remove old battery by pressing up from under the battery's position.



Push new battery in with the "+" facing outwards.



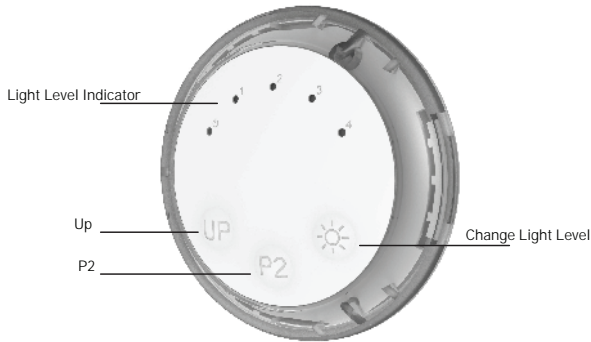
Replace cover by aligning notches and press together.

### 3.3 Mounting

1. Ensure surface on glass is clean and free of dust.
2. On the back of the sensor, peel clear plastic off to reveal adhesive.
3. Find desired position on glass for the sensor and press adhesive side to glass.

## 4 FUNCTIONAL OVERVIEW

### 4.1 Buttons



### 4.2 Modes

#### Mode 1 - DEFAULT

##### Close Mode

Pre-set light level reached

Light level stays above pre-set for 2 mins

Blind goes down

Blind stays down

#### Mode 2

##### Open / Close Mode

Pre-set light level reached

Light level stays above pre-set for 2 mins

Blind goes down

Light < pre-set for >15 mins

Blind goes back up

#### Mode 3

##### Shade Detect Mode

Pre-set light level reached

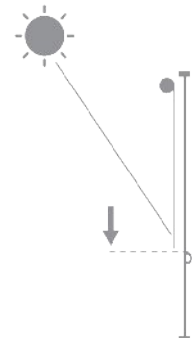
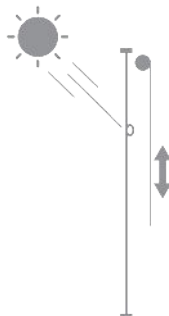
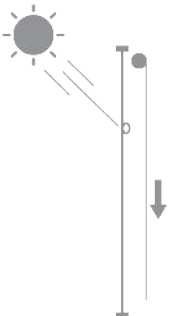
Light level stays above pre-set for 2 mins

Blind goes down until sensor is covered

Blind goes up until sensor is uncovered

Light < pre-set for > 15 mins

Blind goes back up



### 4.3 View and change sensor mode

To view the current mode, press the **SUN** button for one second

1 blink indicates mode 1

2 blinks indicate mode 2

3 blinks indicate mode 3

**To change the mode:**

Hold the **SUN** button until the LED blinks 5 times. The mode has now shifted up by one. E.g. Mode 2 has changed to Mode 3.

### 4.4 Light levels of light intensity values

|         |                 |
|---------|-----------------|
| 0 Level | Not Operational |
| 1 Level | 15kLUX          |
| 2 Level | 30kLUX          |
| 3 Level | 45kLUX          |
| 4 Level | 60kLUX          |

 **To Change light level setting:** Press the SUN key repeatedly until the desired light level flashes.

### 4.5 Light intensity detection

Press the **SUN** and **P2** buttons for once second



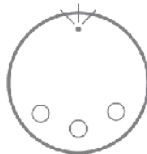
Hold the sensor toward the light

Response

.....  
The unit will indicate light level

### 4.6 Low battery notification

When the battery needs changing, the currently selected light level LED will blink every 2 minutes



### 4.7 UP button

The up button can be used to manually override the sensor and tell the shade to go up.

## 5 PROGRAMMING



### IMPORTANT

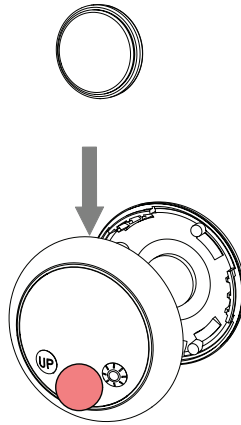
Please refer to the relevant documentation of your motor model for instructions on adjusting motor settings.

### 5.1 Protocol selection

This device can be configured to operate Acmeda line "EL" motors. (The default mode is ARC protocol).

To toggle between ARC & EL modes follow the following steps.

HOLD **P2** whilst inserting battery



To check which mode the sensor is currently in, press the **UP** or **P2** button briefly.

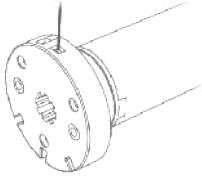
**Acmeda "EL" Protocol:** The current LED will blink slowly 4 times to indicate that the old protocol is currently set.

**ARC Protocol:** The current LED will blink fast 8 times to indicate that the new (ARC) protocol is currently set.

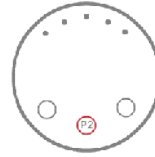
## 6 ADDING OR REMOVING SENSOR & CREATING GROUP CONTROL

### 6.1 Using Motor P1 Button

Hold **P1** button on motor head.



Hold **P2** on sensor to add or remove.



Motor Response



Motor Response



### 6.2 Using a pre-existing Controller

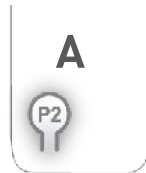
**A**= Existing controller or channel (to keep)

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

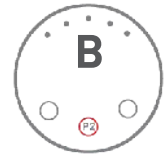
Press **P2** on existing controller.



Press **P2** on existing controller.



Press **P2** on new sensor.



Motor Response



Motor Response



Motor Response



#### IMPORTANT

Consult user manual for your controller or sensor.

## 7 TROUBLESHOOTING

| Problem                 | Cause                                 | Remedy   |
|-------------------------|---------------------------------------|--|
| Motor is not responding | Sensor battery is discharged          | Replace battery (Ref. Section 3.2)   |
|                         | Battery is inserted incorrectly       | Check battery polarity (Ref. Section 3.2)  |
|                         | Radio interference / Shielding        | Ensure remote is positioned away from metal objects and that aerial on motor or receiver is kept straight and away from metal. |
|                         | Sensor distance is too far from motor | 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)   |