

# Wiser Micro Module Blind

## Device user guide

Information about features and functionality of the device.

09/2024



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# Table of Contents

Safety Information.....	4
Wiser Micro Module Blind .....	5
For your safety .....	5
About the device.....	6
Installing the device .....	7
Testing the device.....	7
Pairing the device .....	8
Configuring the device .....	9
Setting the device location .....	9
Renaming the device .....	10
Selecting device type .....	11
Setting the default run time .....	12
Shutter calibration with Wiser app .....	13
Setting Summer Comfort Mode.....	15
Identifying the device .....	19
Using the device .....	20
Manual operation .....	20
Opening/Closing the shutter using app .....	20
Setting up a schedule.....	21
Moments.....	22
Automation.....	26
Removing the device from Wiser system .....	33
Resetting the device .....	34
LED indication.....	34
Troubleshooting .....	34
Technical data .....	35
Compliance.....	36
Compliance information for Green Premium products.....	36
Trademarks.....	36

# Safety Information

## Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that accompany this symbol to avoid possible injury or death.

### **DANGER**

**DANGER** indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

**Failure to follow these instructions will result in death or serious injury.**

### **WARNING**

**WARNING** indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

### **CAUTION**

**CAUTION** indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

### **NOTICE**

NOTICE is used to address practices not related to physical injury.

# Wiser Micro Module Blind



**CLP5015WBZ**  
**PDL5015WBZ**

## For your safety

### **⚡⚠ DANGER**

#### **HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- It is illegal for persons other than an appropriately licensed electrical contractors or other persons authorised by legislation to work on the fixed wiring of any electrical installation.
- To comply with all safety standards, the device must be used only for the purpose described in this instruction and must be installed in accordance with the wiring rules and regulation in the location where it is installed.
- Lock out and tag the input circuit before accessing the wiring connections.
- There are no user serviceable parts inside the device

**Failure to follow these instructions will result in death or serious injury.**

### **⚠ DANGER**

#### **HAZARD OF ELECTRIC SHOCK**

- Make sure that the terminal connection area does not come in contact with the metallic parts of any device installed in the same location.
- Do not short the outputs to neutral.
- The switch contact and live conductor connection must be separated from one another by a 240 VAC basic insulation.
- When working on the device, always disconnect the device from the power supply, as the output may carry electrical current even when the load is switched off
- Isolate the incoming circuit before installation, maintenance, or service (or replacement of the load) of the device.

**Failure to follow these instructions will result in death or serious injury.**

### **⚠ CAUTION**

#### **THE DEVICE MAY BE DAMAGED**

Please ensure that the device is disconnected from its circuit during the insulation resistance test.

**Failure to follow these instructions can result in injury or equipment damage.**

## About the device

The Wiser Micro Module Blind (hereinafter referred to as module) provides the smart shutter functionalities with ordinary mechanical double push-button switches. The shutter module can be controlled directly from a wired-connected double push-button switch or wireless via the Wiser app.

Relay contacts are mechanically locked against each other to prevent simultaneous triggering of the two relay outputs.

**NOTE:** Do not use the module to control any devices depending on a permanent power supply.

## Control options

**Home control using Wiser app:** To control the module through the Wiser app you will need the **Wiser Hub**. Refer to [Pairing the device](#).

**Direct operation:** The module can always be controlled directly on-site. You can also connect it with mechanical double push-button switch. Refer to [Manual operation](#), page 20.

## Additional features:

- Remote control with maximum of 10 mechanical double push-button switches.
- Protection of the motor against damage, using two mutually mechanical and electronic locks between the relay contacts.
- Protection against electronic overload, overheating and short-circuit.
- Setting a schedule using Wiser app.

## Installing the device

Refer to the installation instruction supplied with this product.

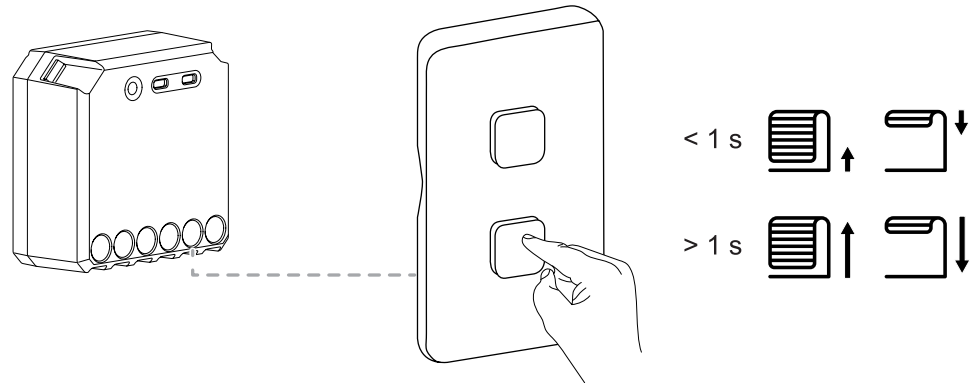
See Wiser Micro Module Blind.

## Testing the device

Before using the module, manually test the module and make sure that it works when connected to the shutter.

To test the module:

1. Short press the push button once.  
The shutter opens/closes gradually.
2. Press and hold the push button.  
The shutter opens/closes fully.
3. Record the time for the shutter to fully open/close.



## Pairing the device

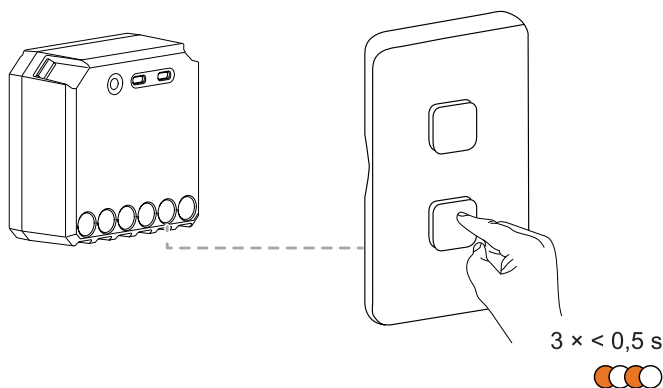
Using the Wiser Home app, pair your Puck with the **Wiser Hub** to access and control the Puck.

1. On the Home page, tap .
2. Tap **Devices** >  and tap **Shutters > Micromodule Switch > Next**.

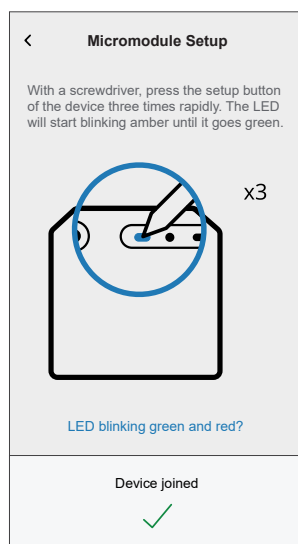
**NOTE:** The next screen shows the joining process of **Puck**.



3. Select any one of the options to add the device:
  - Short press the setup/reset button 3 times on the Puck with a screwdriver and make sure the LED blinks amber.
  - Short press the push button 3 times.

**NOTE:** If the puck is located behind the push button, the status LED is not visible.



4. Wait for a few seconds until the LED turns green. You can also see in the app that the device is joined.



5. Tap , enter a name of the device, tap **Next** and assign the device to a new room or an existing room.
6. Tap **Next** >  and select a **Device Type**:
  - **Shutter**: Proceed to step 7.
  - **Shutter with tilting slats**: Proceed to step 8 and step 9.
7. Tap **Shutter > Next** and enter the open/close duration of shutter. Refer to *Setting default run time*, page 12.





8. Tap **Shutter with tilting slats > Slat Type** , select a slat type and tap **Set**:
  - Horizontal
  - Tilted
  - Vertical
9. Tap **Next** and enter the following durations:
  - a. **Open duration**: Time taken to open the shutter.
  - b. **Close duration**: Time taken to close the shutter.
  - c. **Tilt duration**: Time taken to rotate the slats completely from closed to open position.

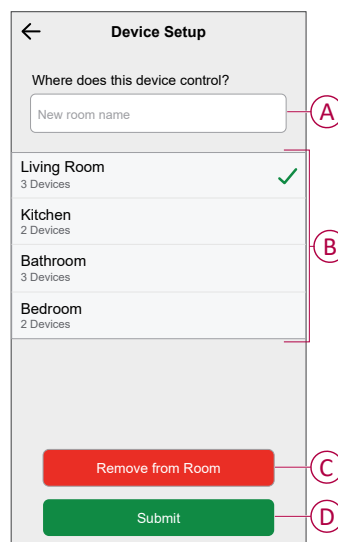
Refer to [Setting default run time](#), page 12.
10. Tap **Submit**.  
Once the pairing process is completed, the device name (example, Puck) is listed under **All** devices in **Home** page.

## Configuring the device

### Setting the device location

You can change the device location using Wiser Home app (such as bedroom, living room, dining room etc.).

1. On the Home page, tap .
2. Tap **Devices**, select the device from the list for which you wish to change the location.
3. Tap **Location**  to open setup page.
4. On setup page, you can enter **New room name** (A) or select an existing room from the list (B).




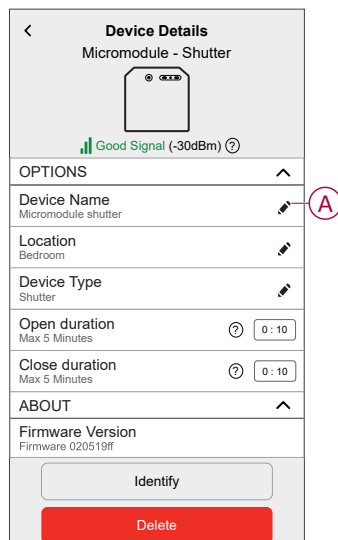
**TIP:** If the device is already assigned, you can remove it from the existing room. Tap **Remove from Room** (C).

5. Once changes are done, tap **Submit** (D).

## Renaming the device

Rename the device using the Wiser Home app.




1. On the Home page, tap .
2. Tap **Devices > Micromodule Shutter > Device Name (A)** to rename the device.

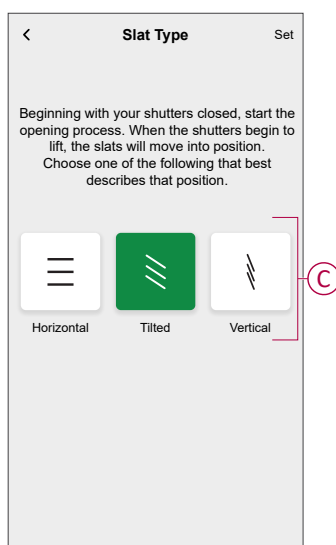


## Selecting device type

Using the Wiser Home app, you can change the device type according to your need.

**NOTE:** The device type was selected as **Shutter** when pairing with the **Wiser Hub**. You can change the device type as **Shutter with tilting slats** if it has a tilt function.

1. On the Home page, tap .
2. Tap **Devices > Shutters**.
3. Tap  (A) and select a device type.
4. If the device type is selected as **Shutter with tilting slats**, tap  (B) and select a slat type (C).
5. Tap **Set**.



## Setting the default run time

Each shutter motor varies in the time it takes to complete the opening/closing movement (i.e., edge to edge). Therefore, the opening/closing time of the shutter must be determined in the app.

To determine the default run time, manually open/close the shutter.


1. Record the time it takes to open/close the shutter completely.
2. Record the time it takes to rotate the slats completely from closed to open position for shutter with tilting slats.

For more information refer to [Testing the device](#), page 7.


Follow the procedure according to your shutter type:

- Shutter, page 12
- Shutter with tilting slats, page 13

## Shutter

1. On the Home page, tap .
2. Tap **Devices > Shutters**.
3. Tap **Open duration/Close duration (A)** and enter the recorded shutter opening/closing time.

## Shutter with tilting slats

1. On the Home page, tap .
2. Tap **Devices > Shutters > Shutter with tilting slats**
3. Tap **Open duration/Close duration** (A) and enter the recorded shutter opening/closing time.
4. Tap (B) and enter the slat tilt duration according to the tilt position.

**IMPORTANT:** The minimum value to set the default time for Tilt duration is 01.00 s. If you set a value less than 01.00 s, it will not be saved.

## Shutter calibration with Wiser app

The shutter motor is supplied in an uncalibrated state. Each shutter motor varies in the time it takes to complete the opening/closing movement (i.e., edge to edge).

**IMPORTANT:**

- It is necessary to select the device type and set the default run time before proceeding with shutter calibration. Refer to [Selecting device type](#), page 11 and .
- Do not use the shutter either manually or on the app during calibration to avoid interruption.
- Follow the procedure for shutter calibration according to the device type: **Shutter** or **Shutter with tilting slats**.

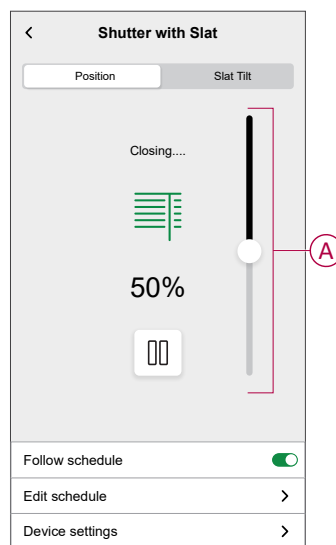
## Shutter

1. Upon setting the default run time, go to the Home page, tap **All** and find the device.
2. On the control panel page, drag the sliding bar up/down to set the desired shutter opening percentage (A).

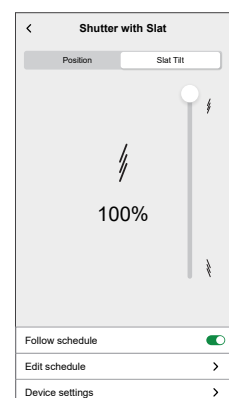
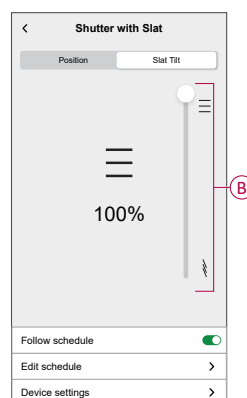
The shutter opens completely and then it reaches to the desired position set in step 2. The shutter is now calibrated.

## Shutter with tilting slats

1. On the Home page, tap **All** and find the device.
2. On the control panel page, in the **Position** tab, drag the sliding bar up/down to set the desired shutter opening percentage (A).



3. Tap **Slat Tilt** tab, drag the sliding bar up/down to set the desired shutter opening percentage (B) according to any one of the following tilt position:
  - Horizontal
  - Tilted
  - Vertical




## Setting Summer Comfort Mode




The **Summer Comfort Mode** automatically adjusts the shutters to a specific position when temperature is too hot both indoor and outdoor. This solution passively cools your home by lowering your shutters.

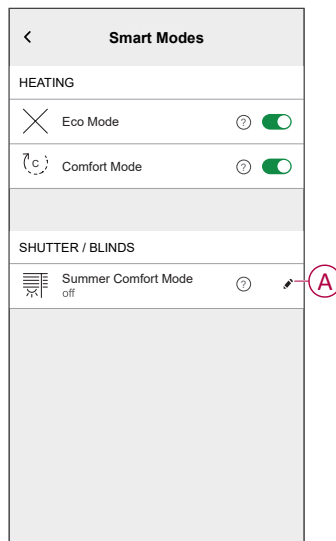
### Features:


- The inside temperature is measured by sensor and the outside temperature is measured based on your location.
- Works only when the sun is out (during daytime).
- By default the blinds closes to 50%
- This feature is active only when there is minimum of 2 degrees difference between inside and outside temperature. For example: Inside temperature a minimum of 26 degrees, while the outside temperature a minimum of 28 degrees.

### Pre-requisite:

- You must have a temperature sensor to measure the indoor temperature.
- Add address to your account. Tap  > **Account** > **My Home**.
- Calibrate your shutters. Refer to [Shutter calibration](#), page 13 or [Shutter calibration with titling slats](#), page 13 based on the shutter type.

1. On the **Home** page, tap  > **Smart Modes**.
2. Tap  to view information about **Summer Comfort Mode**.
3. Tap  (A) to go to the **Summer Comfort Mode** configuration page.



4. Tap the toggle switch (B) to enable **Summer Comfort Mode**.
5. Tap  (C) to set the temperature.
6. Select the indoor and outdoor discomfort temperature (D).

**NOTE:** Indoor temperature must be lower than your outdoor temperature. (minimum of 2 degrees difference between inside and outside).

7. Tap **Set (E)**.

The image displays two screenshots of the Wiser Micro Module Blind app interface, illustrating the steps to set Summer Comfort Mode.


**Left Screenshot: Summer Comfort Mode**

- Header:** < Summer Comfort Mode
- Toggle:** Summer Comfort Mode (On) [B]
- Section: ACTIVATION**  
Select when you would like your Summer Comfort Mode to be activated
- Temperature:** Indoor 25°, Outdoor 27° [C]
- Section: SHUTTERS**  
You can set your shutters to close when summer comfort mode is reached
- Living Room Shutter:** 50%, Slat: 0% [C]
- Shutter two:** 50% [C]
- Section: ROOMS**  
Select the rooms you would like to temperature gauge from for Summer Comfort Mode.
- Room:** Living Room (On) [C]

**Right Screenshot: Temperature**


- Header:** < Temperature Set [E]
- Text:** Your Summer Comfort Mode will be activated when both your Indoor and Outdoor Discomfort temperatures have been met.
- Section: INDOOR DISCOMFORT TEMPERATURE**  
24°  
25°  
26° [D]
- Section: OUTSIDE DISCOMFORT TEMPERATURE**  
26°  
27°  
28° [D]



8. Tap  **Living Room Shutter** (F) and enable the toggle switch (G).

**NOTE:**

- Only the shutters that are eligible for Summer comfort mode will be shown.
- Example, if you have installed both shutters and temperature sensor in your home. Summer comfort mode will measure the ambient temperature sensed in any room and control all the shutters except the legacy ones.

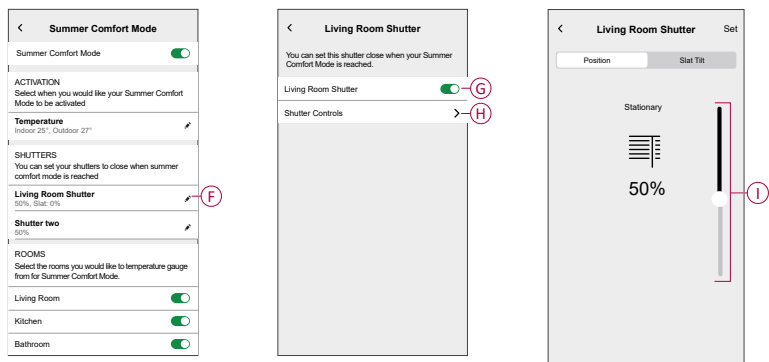
9. Tap  **Shutter Controls** (H), set the shutter position (I) according to the shutter type and tap **Set**.



The following demonstration is shown for shutter with tilting slats.

- **Shutter with tilting slats:**
  - In the **Position** tab, drag the sliding bar (I) up/down to set the desired shutter opening percentage.
  - Tap **Slat Tilt** tab, drag the sliding bar up/down to set the desired shutter opening percentage according to the tilt position: Horizontal, Tilted, Vertical.

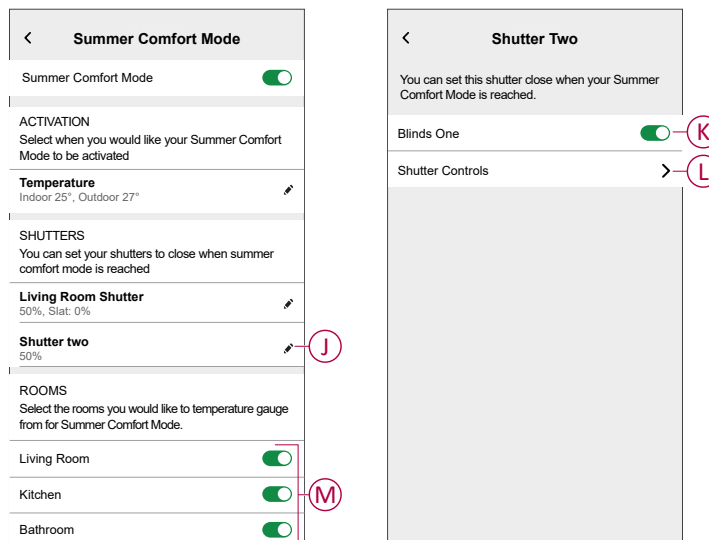
**IMPORTANT:**

- By default the shutter position is set to 50%
- The shutter must not close to 100% to avoid any problems like someone stuck outside (their balcony or garden).



10. Tap  (J) and enable the toggle switch (K) to set the shutter position.
- a. Tap  **Shutter Controls** (L) and drag the sliding bar up/down to set the desired shutter opening percentage and tap **Set**.

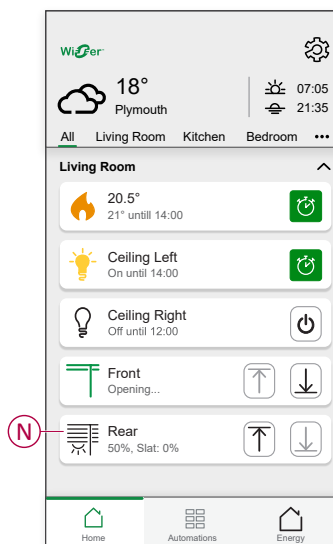
**TIP:** All rooms are enabled by default, you can enable or disable the rooms of your choice (M). Example, you can disable the rooms which cause nuisance triggers (conservatories, utility rooms).



The shutters set as **Summer Comfort Mode** appears on the **Home** page.

**NOTE:**

- If any change is required, tap (N) > **Device settings** > **Summer Comfort Mode** > **Shutter controls** and set the shutter position.
- To disable the **Summer Comfort Mode** specific to a shutter, tap (N) > **Device settings** > **Summer Comfort Mode** and disable the toggle switch.

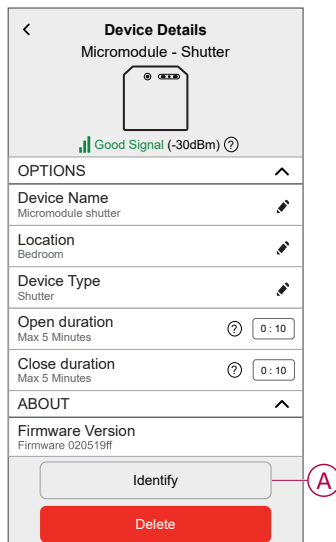


- To disable the **Summer Comfort Mode** completely, tap  > **Smart Modes** > **Summer Comfort Mode** and disable the toggle switch.

## Identifying the device

Using the Wiser Home app, identify the Puck among the devices available in a home.

1. On the Home page, tap .
2. Tap **Devices > Shutters > Micromodule Shutter** or **Shutter slat > Identify (A)**.



The status LED blinks red and the shutter opens/closes gradually, upon successful identification of the Puck or shutter slat.

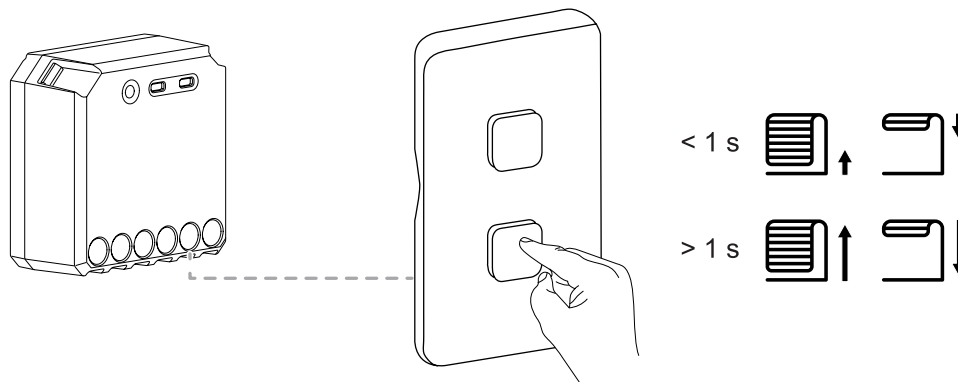
3. Tap **OK** to finish identifying the device.

## Using the device



### Manual operation

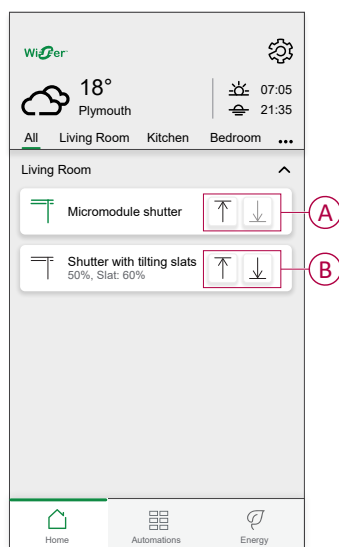
When the module is connected to a mechanical double push-button switch, the shutter can be controlled manually.

- Short press the push button once, the shutter opens/closes gradually.
- Press and hold the push button, the shutter opens/closes fully.



### Opening/Closing the shutter using app



1. Go to the Home page, tap **All** and find the device.
2. Tap   (A) or (B) to open/close the shutter or shutter with tilting slats.

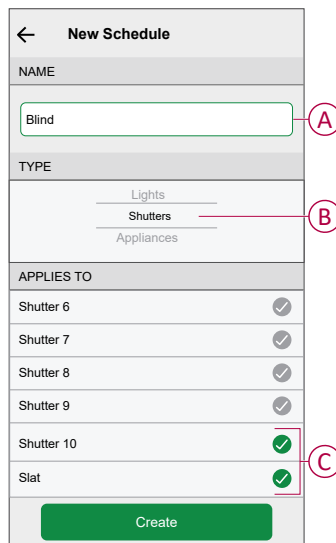



## Setting up a schedule

The shutter can be controlled and triggered by a schedule. Once the schedule is set, your system will follow the active schedule. You can create or modify the schedules at any time. The devices can be fully controlled by schedule. Once the schedule is set, the devices operates at a given time.



To create a schedule:

1. On the **Home** page, tap  > **Schedules** > .
2. Enter a name of the schedule (A).
3. Select a device type (B).
4. Select the list of devices (C) to which the schedule must apply.
5. Tap **Create**.



6. Tap  to add an event.
7. Select a state (Open/Closed/percentage) (D), time period (E) and tap **Set**.




### TIP:

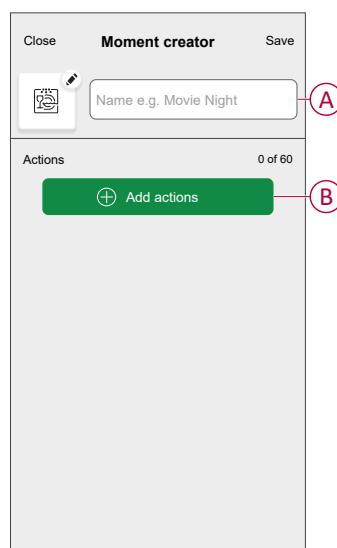
- You can add multiple schedules based on your requirement. Select days, tap , set on/off state and time.
- You can copy the existing schedule to another schedule or to the days of your choice. Tap .
  - Tap **Schedule** and select an existing schedule and tap **Copy**.
  - Tap **Day** and select the days you want to assign and tap **Copy**.

## Moments

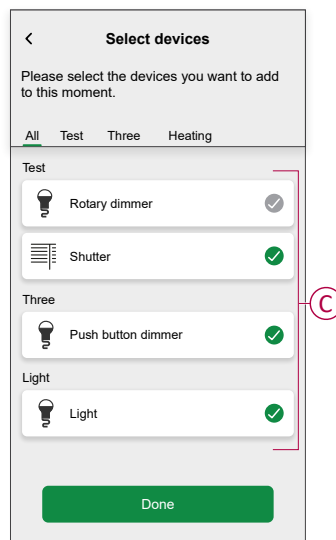
Moment allows you to group multiple actions that are usually performed together. By using the Wiser Home app, you can create moments based on your needs.

### Creating a moment

1. On the **Home** page, tap .
2. Go to **Moments** and then tap  to create a moment.
3. Enter the name of the moment (A).  
**TIP:** You can choose the cover image that represents your moment by tapping .
4. Tap **Add actions** (B) to select the list of devices.



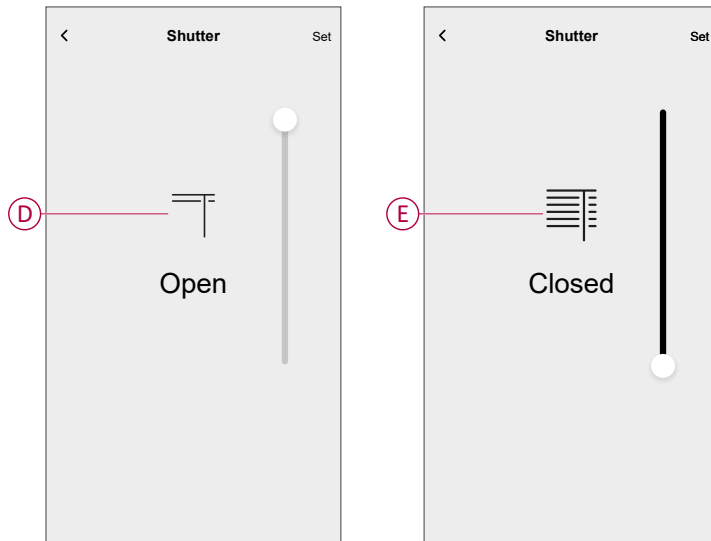
5. Select the devices (C) you want to set an action and tap **Done**.



6. On the **Moment creator** page, select any one of the following device and set actions.

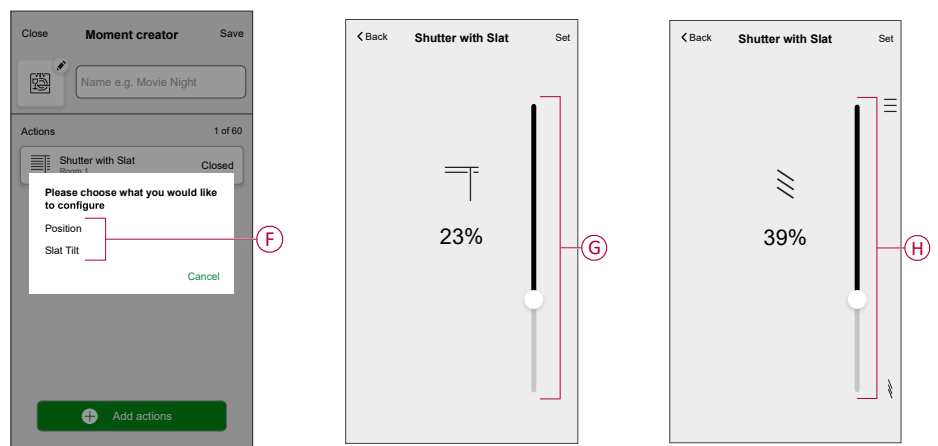
– **For shutter:**

- Drag the sliding bar up/down to open/close the shutter completely (D, E).
- Drag the sliding bar to keep the shutter in the preferred position.



– **For Shutter slat:**

- Select **Position** (F) and drag the sliding bar up/down to open/close the shutter (G).
- Select **Slat Tilt** (F) and drag the sliding bar up/down to adjust the tilt position of the shutter (H).








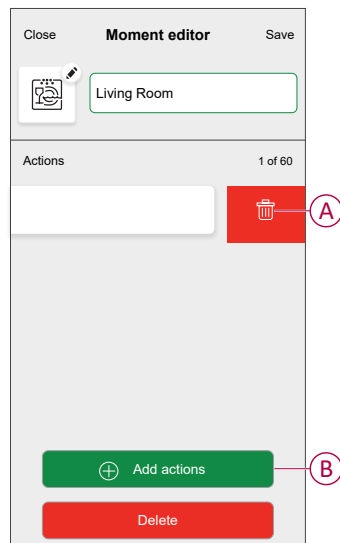
7. Tap **Set**.

8. Once all conditions are set, tap **Save**.

Once the moment is saved, it is visible on the **Moments** tab. You can tap on the moment to enable it.



## Editing a moment

1. On the **Home** page, tap **Automations** .
2. Go to **Moments**, locate the moment you want to edit and tap .
3. On the **Moment editor** page, you can perform following changes:
  - Change the icon .
  - Rename the moment.
  - Tap each action to change the settings.
    - To remove an action, slide the action to the left and then tap  (A) to delete it.
    - Tap  **Add actions** (B) to add new action.



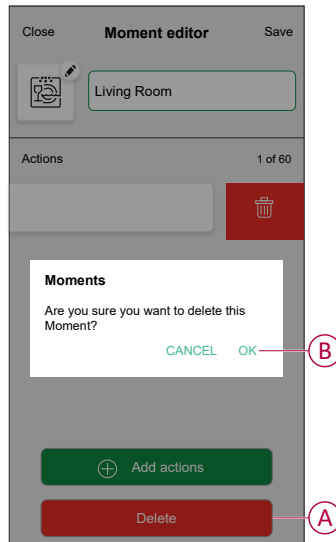
4. Tap **Save**, to save the changes.

## Deleting a moment

1. On the **Home** page, tap **Automations** .
2. Go to **Moments**, locate the moment you want to delete and tap .






3. On the Moment editor page, tap **Delete** (A) and then tap **Ok** (B).

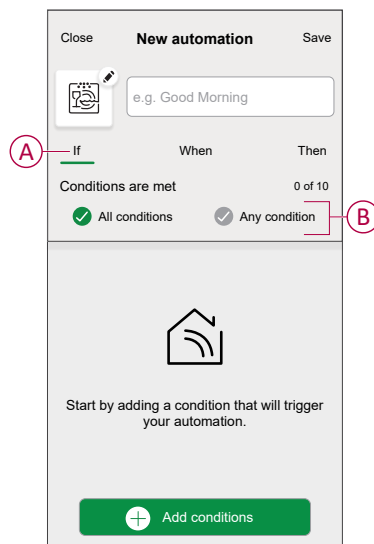


## Automation

An automation allows you to trigger an action automatically or at scheduled times. By using the Wiser Home app, you can create automations based on your needs. This example demonstrates how a device works when the condition is met.

### Creating an automation

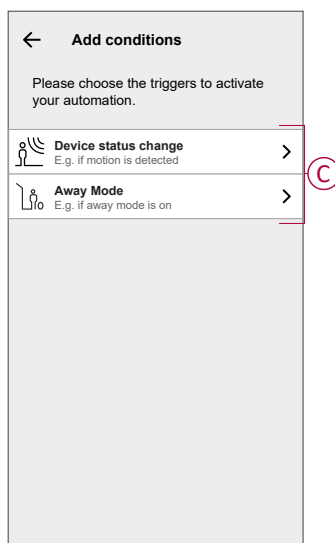
1. On the **Home** page, tap .
2. Go to **Automation** >  to create an automation.  
**NOTE:** Maximum 10 automations can be added.
3. Tap  and choose an icon that best represents your automation.
4. Tap **If** (A) and select any of the following conditions (B):
  - **All conditions:** This triggers an action only when all conditions are met.
  - **Any condition:** This triggers an action when at least one condition is met.




5. Tap **Add conditions** and select any of the following (C):

- **Device status change:** Select a device to enable automation.
- **Away Mode: Enable / Disable** away mode to trigger an action.

**NOTE:** Away mode can also be used as a trigger to turn off the lights, dimmer or closing the shutter etc. For more information refer to *Away mode*.

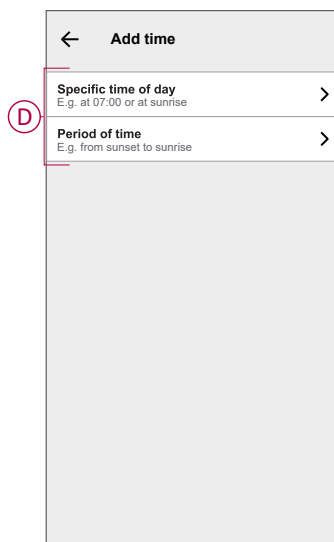



**NOTE:**

- Maximum 10 conditions can be added.
- To remove condition, swipe left and tap .

6. To set a specific time for your automation, tap **When > Add time** and select any of the following (D):

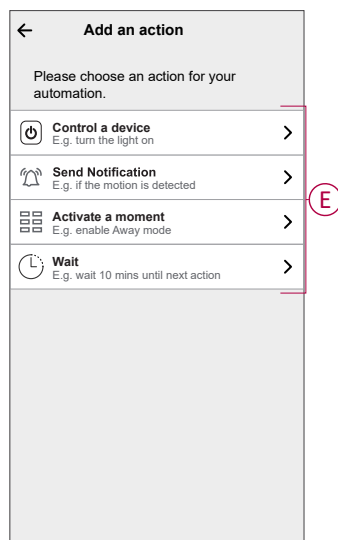
- **Specific time of the day: Sunrise, Sunset, Custom**
- **Period of time: Daytime, Night time, Custom**



**NOTE:** To remove a specific time, swipe left and tap .

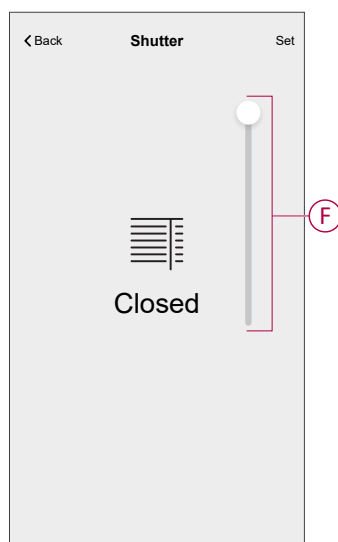
7. To add an action, tap **Then > Add an action** and select any of the following (E):

- **Control a device:** Select a devices that you want to trigger.
- **Send notification:** Turn on the notification for the automation.
- **Activate a moment:** Select the moment that you want to trigger.
- **Wait:** This option allows you to add a delay in an automation sequence. You can set the wait time in increments of 1 hour and 1 minute, up to a maximum of 24 hours. This feature is useful for delaying actions within an automation.




8. Tap **Control a device > Micromodule Shutter**.

Set the required opening/closing percentage or fully open/closed state using the sliding bar (F), then tap **Set**.

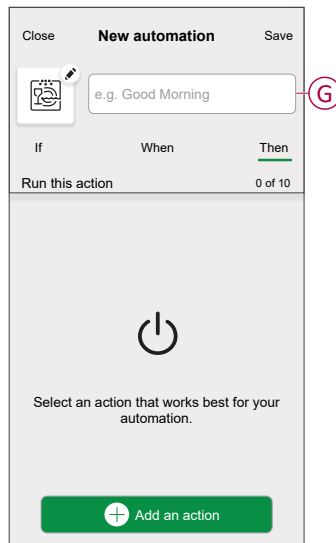


**NOTE:**


- Maximum 10 actions can be added.
- To remove an action, swipe left on the action and tap .

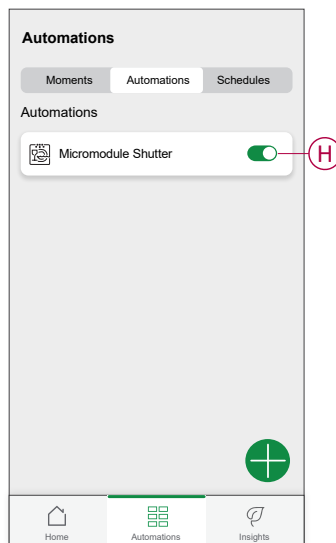
## 9. Enter the automation name (G).

You can choose the cover image that represents your automation by tapping

10. Tap **Save**.

Once the automation is saved, it is visible on the **Automation** tab.

Using the  (H) you can enable or disable the automation.

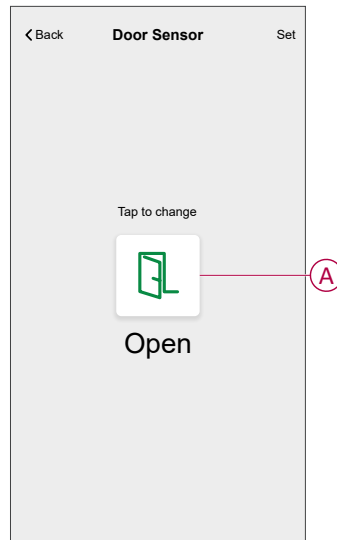


## Example of an automation

This demonstration shows how to create an automation that closes the Shutter when the Door is open during Night time.

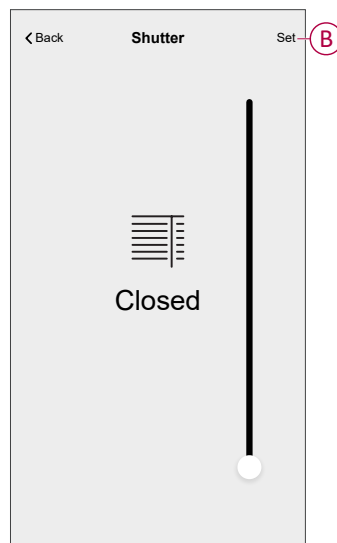
1. Go to **Automation** >  to create an automation.

2. To add a condition, tap **Add Condition > Device status change > Door Sensor**, tap (A) to **Open**, then tap **Set**.




3. Read the information and tap **OK**.
4. To set the time, tap **When > Add time > Period of time > Night time > Set**.
5. To add an action, tap **Then > Add an action > Control a device > Micromodule Shutter > Set** (B).

**TIP:** You can set the required opening/closing percentage or fully open/closed state using the sliding bar.




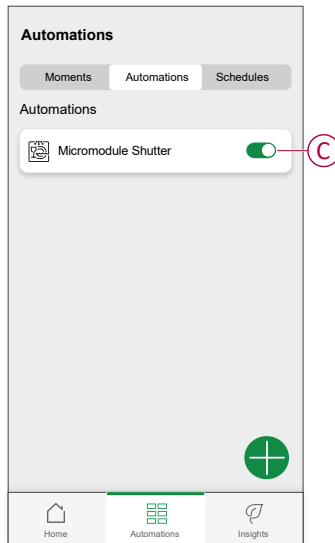
6. Read the information and tap **OK**.
7. Enter the name of the automation.

**TIP:** You can choose the cover image that represents your automation by tapping .





8. Tap **Save**.

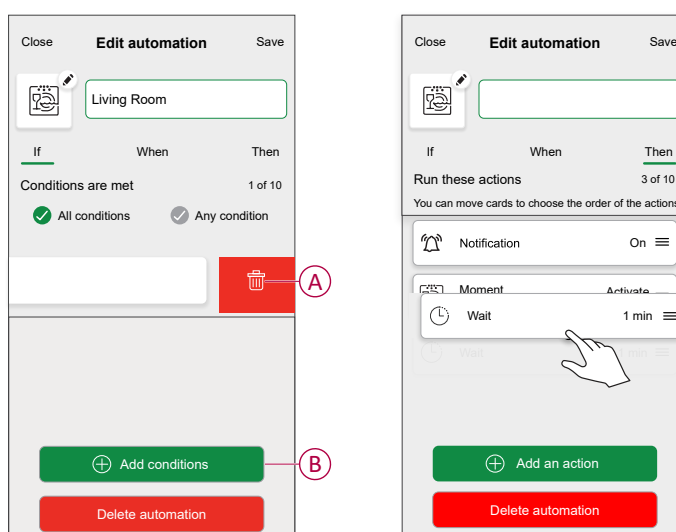
Once the automation is saved, it is visible on the **Automation** tab.

**NOTE:** You can enable or disable automations on the **Automation** tab by using  (C).




## Editing an automation

1. On the **Home** page, tap **Automations** .
2. Go to **Automation**, tap the automation you want to edit.
3. On the **Edit automation** page, you can perform following changes:
  - Change the icon .
  - Rename the automation.
  - Tap each condition to change the settings.
    - To remove a condition, slide the condition towards left and then tap  (A) to delete it.
    - Tap  **Add conditions** (B) to add new condition.
  - To change the order of actions, tap the **Then** option, and hold an action then drag and drop to the desired position.



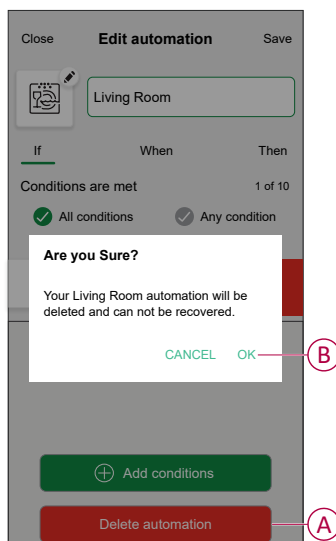
4. Tap **Save** to save the changes.

## Deleting an automation

1. On the **Home** page, tap **Automations** .
2. Go to **Automation**, tap the automation you want to delete.




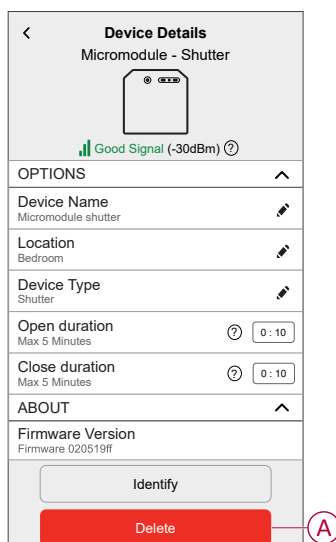
- On the **Edit automation** page, tap **Delete automation** (A) and read the confirmation message and then tap **OK** (B).



## Removing the device from Wiser system

Using the Wiser app, you can remove the Puck from the system.

- On the Home page, tap .
- Tap **Devices > Shutters > Micromodule Shutter** or **Shutter slat > Delete** (A).



### NOTE:

- Removing the device will reset the Puck. The LED starts blinking amber indicating that the Puck is ready to pair.
- If there is a problem while pairing or resetting the Puck, refer to .

## Resetting the device

You can reset the device to factory default manually.

Short press the push button 3 times and then long press the push button once for 10 s.

After 10 s, the LED starts blinking red and then release the operation button.

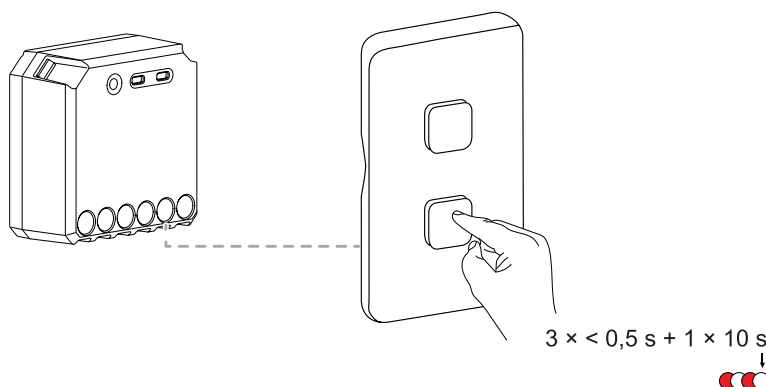
**NOTE:** All configuration data, user data, and network data are deleted. After which

- No connectivity to other devices or rooms
- No timer settings

The LED stops blinking upon successful reset of the device.



The module restarts and blinks green for a few seconds.

**NOTE:** After reset, the LED turns orange indicating that the device is ready for pairing.





## LED indication

### Pairing the device

User Action	LED Indication	Status
Short press the push button 3 times.	LED blinks orange once per second. 	Pairing mode is active for 30 seconds. When pairing is completed, LED glows green for a few seconds before turning off. 











### Resetting the device

User Action	LED Indication	Status
Short press the push button 3 times and hold it down once for > 10 s.	LED blinks red once per second. 	The device is in reset mode. The device then restarts and LED turns orange indicating that the device is ready for pairing. 

## Troubleshooting


Symptom	Solution
No shutter movement or uncontrolled shutter movement.	<ul style="list-style-type: none"> <li>• Check power supply.</li> <li>• Check the wiring between module and push-button switch.</li> <li>• Check the load.</li> </ul>
The device is not ready to pair after the device is removed from the app.	Reset to factory default settings, refer to <a href="#">Resetting the device</a> , page 34.

## Technical data

Nominal power rating for load type		
	Incandescent lamp	2200 W
	Halogen lamp	2000 W
	Iron core transformer	500 VA
	Motor	1000 VA
	Electronic step-down converter	1050 VA
	Capacitive load	10 A, 140 $\mu$ F
	Fluorescent lamp	100 W
	LED	200 W
	Boiler	2000 W
	Room heater	1500 W

Nominal voltage	AC 220-240 V, 50/60 Hz
Nominal current	10 AX
Switching channel	1, dry contact
Standby	Max. 0.3 W
Operating Temperature	0 °C to 35 °C
Neutral conductor	Required
Connecting terminals	Max. 2 x 2.5 mm <sup>2</sup> , solid or stranded types
Extension connection	Max. 10 mechanical push buttons
Length of all cable sections	Max. 50 m for 3-wire NYM cable
Fuse protection	16 A circuit breaker
Operating frequency	2405 - 2480 MHz
Max. radio-frequency power transmitted	<10 mW
IP rating	IP20
Product dimensions (H x W x D)	43 x 43 x 22 mm
Communication protocol	Zigbee 3.0 certified

### Compliance

Product certification	RCM 
Safety	AS/NZS 60669.2.1
EMC	AS/NZS 60669.2.1
RF	EN 300 328

## Compliance

### Compliance information for Green Premium products

Find and download comprehensive information about Green Premium products, including RoHS compliance and REACH declarations as well as Product Environmental Profile (PEP) and End-of-Life instructions (EOLI).

<https://checkaproduct.se.com/>



### General information about Green Premium products

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<https://www.schneider-electric.com/en/work/support/green-premium/>



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