

Iconic Connected Dimmer

Device user guide

Information about features and functionality of the device.

09/2024



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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.

Iconic Connected Dimmer



41EPBDWCLMZ-VW
PDL354PBDMBTZ-VW

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.
- The Locking Bar on the grids must be set to the Closed position to ensure that the device cannot be removed during normal operation.
- There are no user serviceable parts inside the device.

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

NOTICE

EQUIPMENT DAMAGE HAZARD (LOAD AND OPERATION)

- Operation of the device at elevated temperatures or voltages outside of specification (240 V A.C. and 25 °C) may cause the over-temperature protection circuitry to operate.
- Reduce the size of the connected load or use a different brand of fan to prevent recurrence.
- Do not operate the product for prolonged periods in extreme conditions.

Failure to follow these instructions can result in equipment damage.

About the device

The Iconic Connected Dimmer (hereinafter referred to as Dimmer) is a push-button device that can be used to switch and dim LED, ohmic, inductive or capacitive loads manually or remotely. It can detect the load automatically and provides thermal protection, overload-resistance and short-circuit protection.

Installing the device

Refer to the installation instructions supplied with this product.

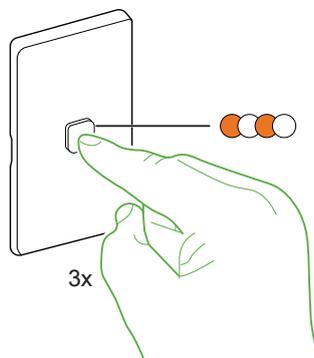
Pairing the device

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

1. On the Home page, tap .
2. Tap **Devices** >  > **Lights** >  **Iconic switch/dimmer** > **Next**.

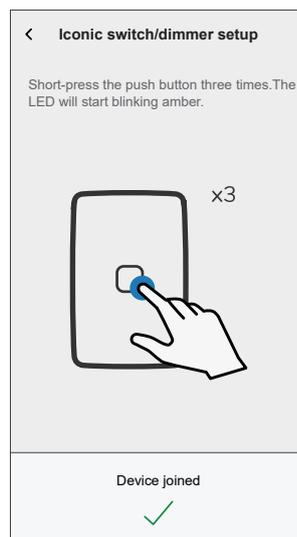
NOTE: The next screen shows the joining process of dimmer.

3. Short press the push button 3 times and make sure that the LED blinks amber.



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

NOTE: If the LED is blinking green and red, see the instructions by tapping the link **LED blinking green and red?**



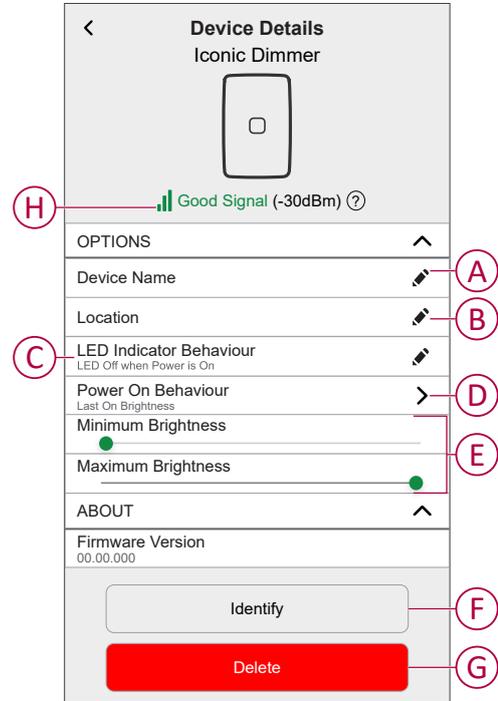
5. Tap **Next** to enter the name of the device and assign the device to a new room or an existing room.

The dimmer is now listed under **All** devices.

Configuring the device

Using the Wiser home app, you can configure the device according to your preferences.

1. On the Home page, tap .
2. Tap **Devices > Lights > Dimmer** to locate to the **Device Details** screen.

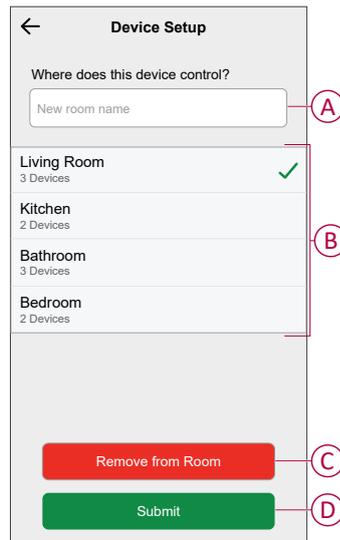


A	Device Name: Tap to change the name of the device.
B	Location: Tap to assign the Dimmer to any room (such as living room, bedroom, kitchen etc). Refer to <i>Setting the device location</i> , page 8 for more details on how to set the location.
C	LED Indicator Behaviour: Tap to set the LED indicator behaviour of the dimmer as per your preference. Refer to <i>Setting up the LED Indicator Behaviour</i> , page 9 for detailed information on each options.
D	Power On Behaviour: Tap to set the default brightness level of the dimmer when it is turned on. Refer to <i>Setting up the Power On Behaviour</i> , page 10 for detailed information on each options.
E	Minimum Brightness and Maximum Brightness: This setting lets you set limits on the maximum and minimum brightness of the connected load. This is done to avoid flickering and switching off the LED. Drag the slider bar to increase or decrease the Minimum Brightness and Maximum Brightness .
F	Identify: Tap to identify the device. The status LED blinks red and connected lighting devices blinks On/Off, upon successful identification of the dimmer. Tap OK when you finish identifying the device.
G	Delete: Tap to remove the device from the system. NOTE: <ul style="list-style-type: none"> • Removing the device will also reset the dimmer. After reset, the LED turns amber indicating that the dimmer is ready for pairing. • If there is a problem while pairing or resetting the dimmer, refer to <i>Resetting the device manually</i>, page 24.
H	Zigbee Signal Strength Indicator: Zigbee Signal Strength indicator which displays the current signal strength of the device. <ul style="list-style-type: none"> •  Good Signal (between 0 & -54dBm) •  Normal Signal (between -54 & -79dBm) •  Poor Signal (<-79dBm) •  No Signal (device is offline)

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).

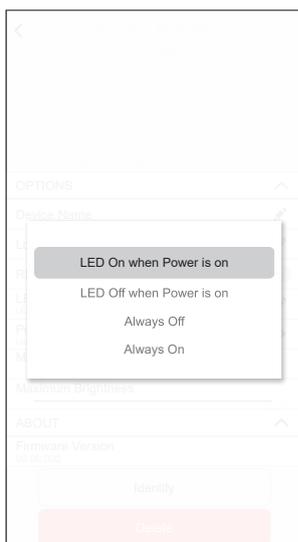
Setting up the LED Indicator Behaviour

Using the Wiser Home app, you can set the behaviour of the LED indicator on your device to identify the device status.

1. On the Home page, tap .
2. Tap **Devices > Lights**.
3. Select the device you want to update and tap **LED Indicator Behaviour**.

NOTE: If you are unable to find the option in your app, reset the device to factory default and perform the pairing process.

4. Select one of the following options as per your preference.



LED On when Power is on	The LED turns On when the device is On.
LED Off when Power is on	The LED turns Off when the device is On.
Always Off	The LED stays Off all the time.
Always On	The LED stays On all the time.

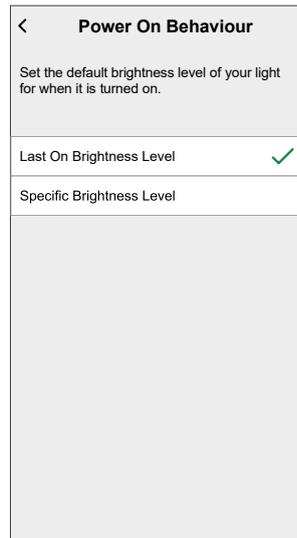
Setting up the Power On Behaviour

You can set the brightness level of your device when turned on.

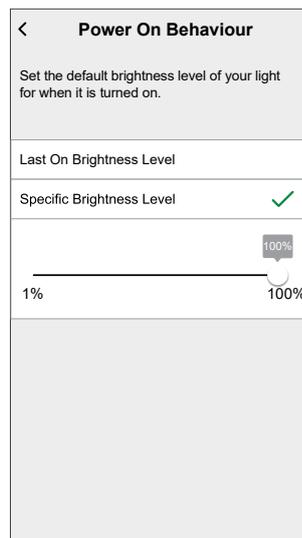
1. On the Home page, tap .
2. Tap **Devices > Lights**.
3. Select the device you want to update and tap **Power On Behaviour**

NOTE: If you are unable to find this option in your app, reset the device to factory default and perform the pairing process.
4. Select one of the following options as per your preference:

Last On Brightness Level: The light turns on at the same brightness as when it was last turned off.



Specific Brightness Level: This option allows you to get the desired brightness level every time you turn on the light. Drag the slider bar to set the brightness.

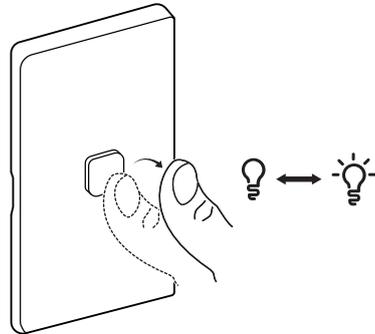


Using the device

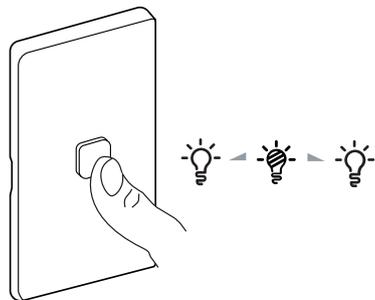
Switching/Dimming the device manually

You can turn on/off and increase/decrease the brightness of the dimmer manually.

Short press the push-button once to switch on/off the dimmer.



Long press the push-button to increase/decrease the brightness of the dimmer.



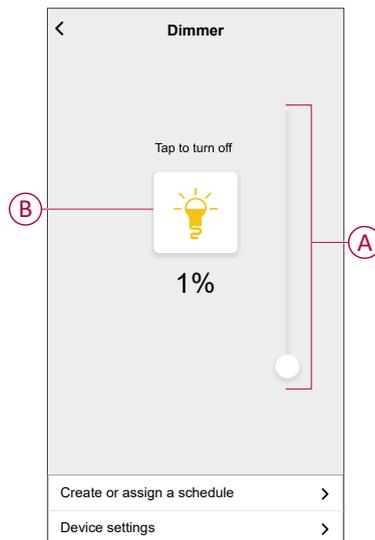
Adjusting the brightness level using app

By using the Wisier Home app, increase/decrease the brightness level in the dimmer.

1. On Home page, tap **All** and find the device.
2. On the control panel page, drag the sliding bar up/down to increase/decrease the brightness (A).

TIP: You can also turn On/Off the dimmer on the control panel page, tap

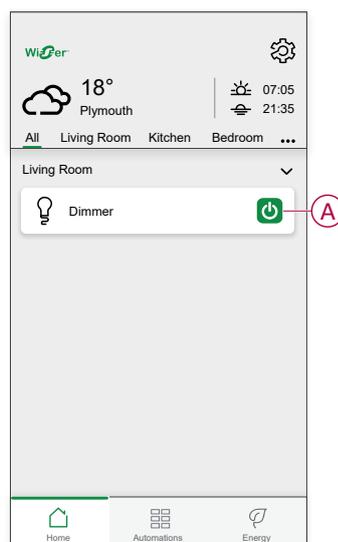
💡 (B) to turn On/Off dimmer.



Turning On/Off device using app

Using the Wisier Home app, you can turn On/Off the dimmer remotely.

1. On the Home page, tap **All** and find the device.
2. Tap ⏻ (A) to turn On/Off dimmer.



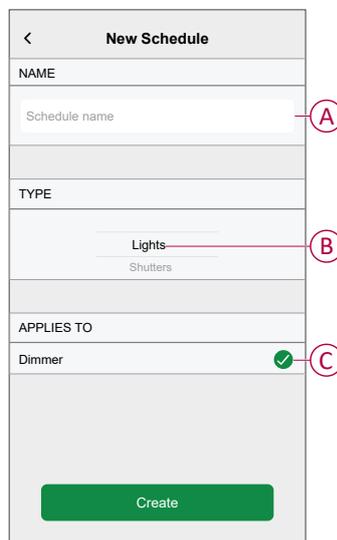
Schedule

You can set up schedules to specify the times at which a state of the device changes.

Setting up a schedule

The dimmer can be fully controlled by a schedule. Once the schedule is set, the dimmer operates at a given time.

1. On the **Home** page, tap .
2. Go to **Schedules** >  to create a schedule.
3. Enter the name of the schedule (A).
4. In the **TYPE** menu, select **Lights** (B).
5. In the **APPLIES TO** menu, select **Dimmer** (C) from the listed devices.
6. Tap **Create** to setup events.



7. Under **EVENTS** menu, select a day and then tap  to add an event such as **STATE** (lights Off or dimming level in %) and **WHEN** (sunrise/sunset or specific time range).
8. Tap **Set** to save the schedule.

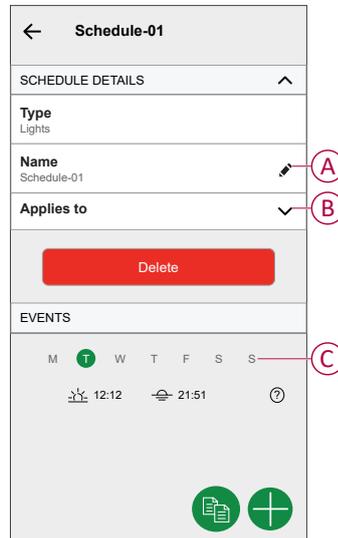
TIP:

- 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**.

Editing a schedule

1. On the Home page, tap  > **Schedules**
2. Tap the schedule you want to edit.

3. Tap the **SCHEDULE DETAILS** and you can do the following actions:
 - Rename the schedule (A).
 - Within the **Applies to** (B) menu, you have the option to select from the listed devices or deselect those that are already selected.
 - Under the **EVENTS** (C) menu, you can edit the day and then tap  to edit an event such as **STATE** (lights Off or dimming level in %) and **WHEN** (sunrise/sunset or specific time range).



NOTE: When the above changes are edited, the schedule is saved automatically.

Deleting a schedule

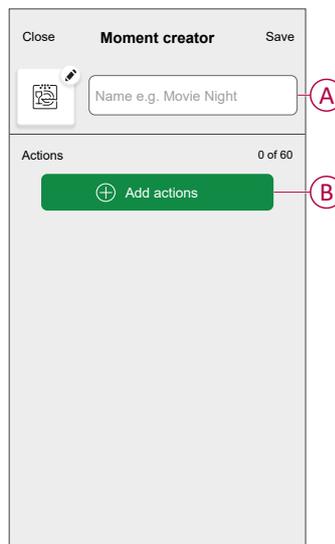
1. On the Home page, tap **Automations**  > **Schedules**.
2. Tap the schedule you want to delete.
3. Tap the **SCHEDULE DETAILS** and then tap **Delete**.

Moments

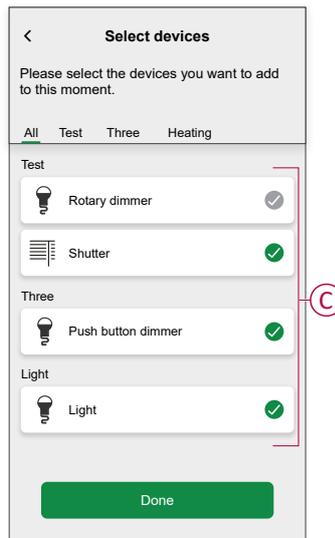
Moment allows you to group multiple actions that are usually performed together. By using the Wisier Home app, you can create moments based on your needs.

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.

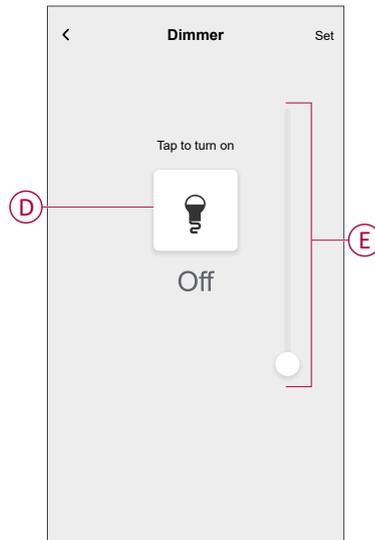


5. In the **Add actions** menu, you can select the devices (C).



6. Once the device are selected, tap **Done**.

7. On the **Moment creator** page, tap the device to set the condition. For example if it is a dimmer:
 - Tap to turn on (D)
 - Drag the sliding bar up/down to increase/decrease the brightness (E) and tap **Set** on the upper right corner.



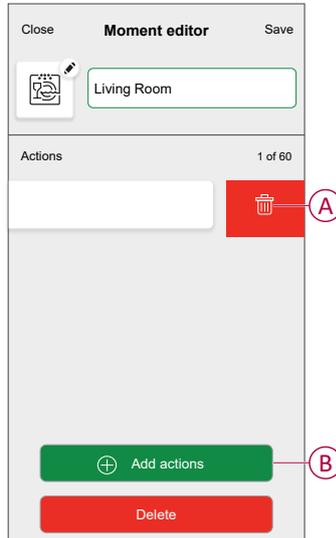
8. After setting all conditions, tap **Save**.
Once the moment is saved, it will appear on the **Moments** tab. Tap on the moment to enable it.

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:

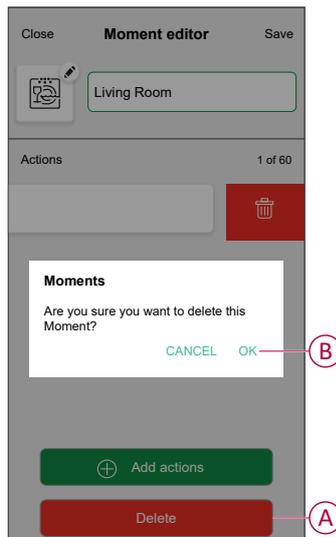
- Change the icon .
- Rename the moment.
- Tap each action to change the settings.
 - To remove an action, slide the action to the left and then tap  (A) to delete it.
 - Tap  **Add actions** (B) to add new action.



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).



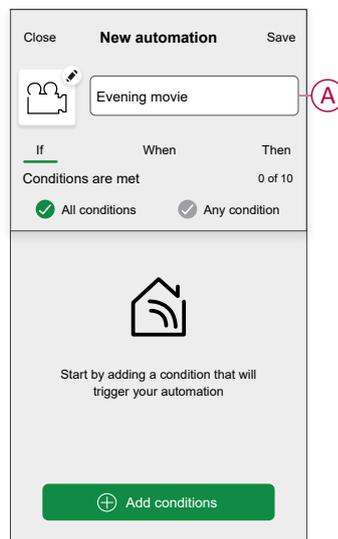
Automation

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

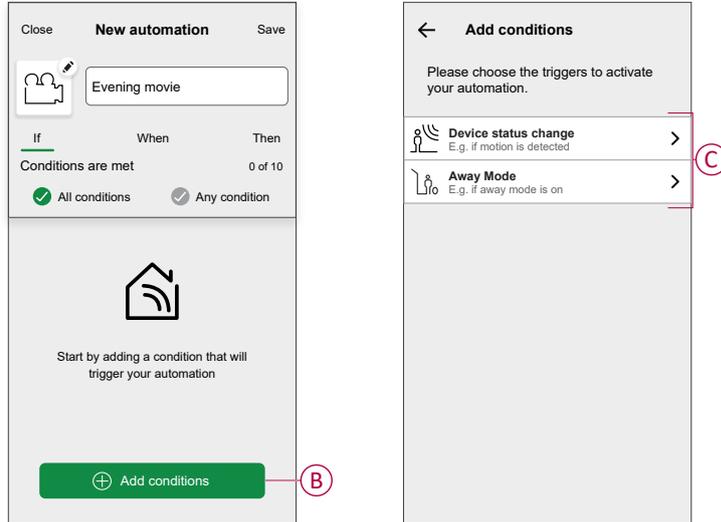
1. On the **Home** page, tap .
2. Go to **Automation** and then tap  to create an automation.
3. Enter the name of the automation (A) and select any of the following conditions to trigger an automation.
 - **All conditions:** All conditions must be met to trigger an automation.
 - **Any condition:** Any one of the condition must be met to trigger an automation.

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

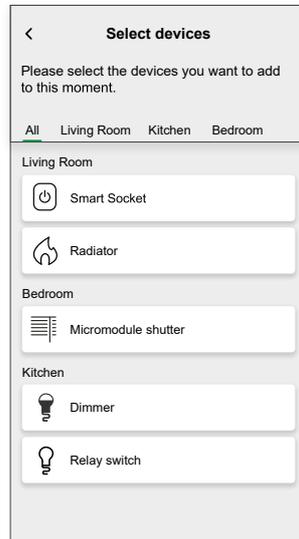


4. Tap **Add conditions** (B) and select any of the following (C).
 - **Device status change** (Select the device): An automation will be triggered based on a device status, such as the opening of a shutter or the detection of movement by a motion sensor.
 - **Away Mode** (Enable or Disable): Away mode can also trigger an automation to turn on the lights, close the shutter etc. For more information about **Away Mode**, refer to the system user guide.

NOTE: Maximum 10 conditions can be added.



- a. In this example, we will select **Device status change** and choose a device to set the condition. Then, we will select the state of the device that will trigger the automation, such as the closed state of a micromodule shutter.



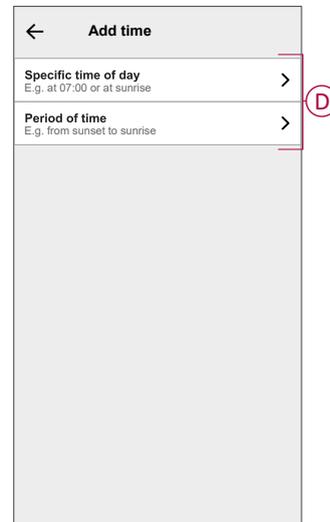
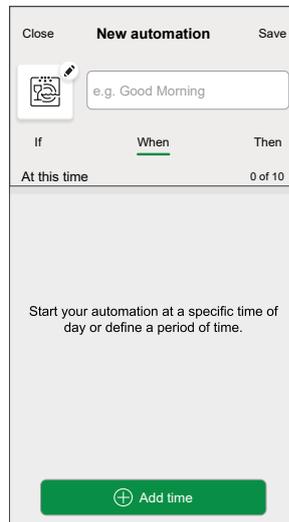
- b. After selecting the device, tap **Set** on the upper right corner.

TIP: If you want to change the condition, swipe it to the left and tap the bin icon. Then add a new condition with the required parameters.

5. To start your automation at a particular time, tap **When > Add time** and select any of the following (D):

NOTE: Maximum 10 time entries can be added.

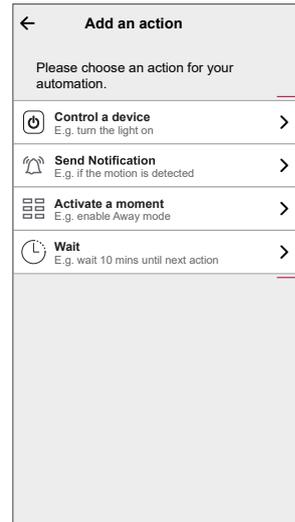
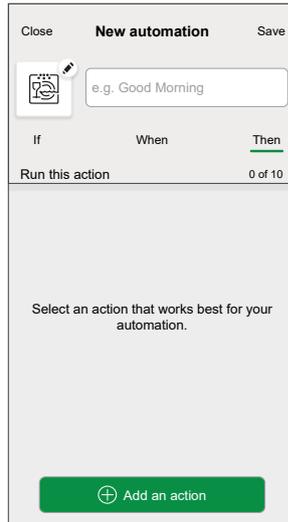
- **Specific time of day** - The automation will trigger at a specific time of the day, such as at sunrise, sunset, or at 8:00 AM.
- **Period of time** - The automation will be trigger during time periods such as from sunrise to sunset, or sunset to sunrise, or from 8:00 AM to 5:00 PM.



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

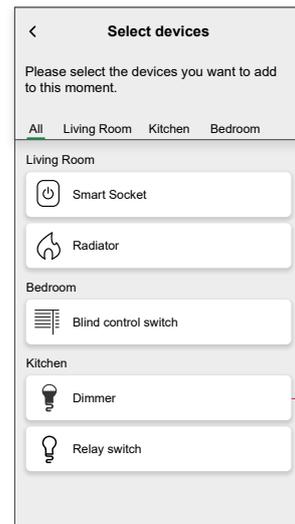
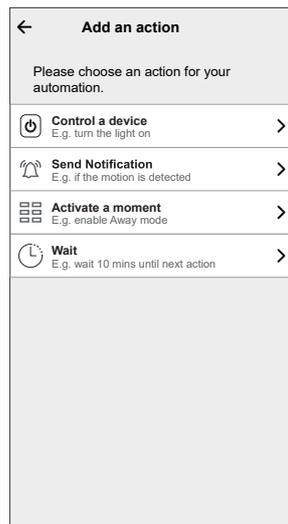
NOTE: Maximum 10 actions can be added.

- **Control a device** - Select the device and set the desired state of the device.
- **Send notification** - You will be notified if the condition is met.
- **Activate a moment** - Select a Moment to activate during the automation.
- **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.

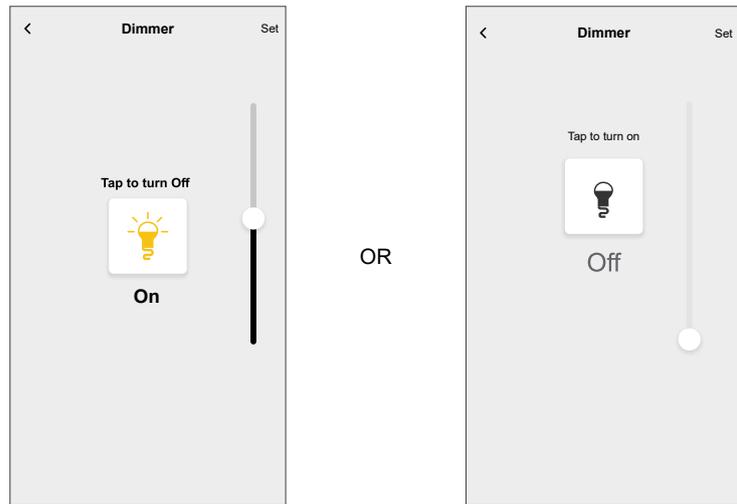


a. In this example, we will initially select **Control a device** and select **Dimmer** (F) as the device to trigger an action, later, we will select for the **Wait** option to add a delay in the automation.

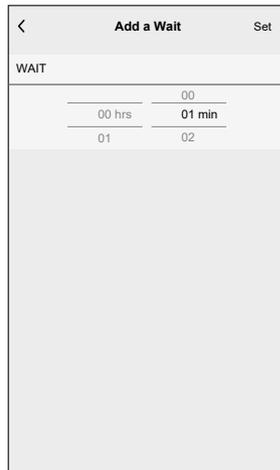
IMPORTANT: You cannot select the same device that you selected for **Add conditions** in Step 4. The device should be different.



b. Set the state, such as increase/decrease the dimmer brightness or switching the dimmer On/Off. Then, tap **Set** located on the upper right corner.

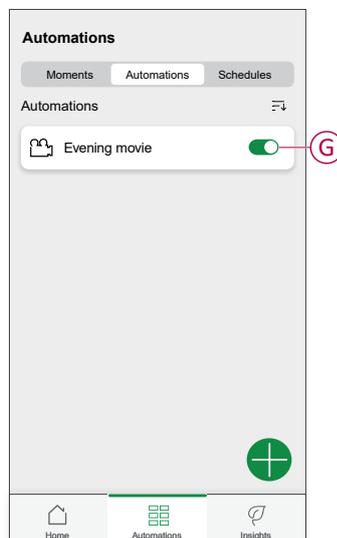


- c. Again, tap **Add an action** and select **Wait** option.
- d. Scroll through the minutes and set the wait time to 1 minute. Then, tap **Set** located on the upper right corner.



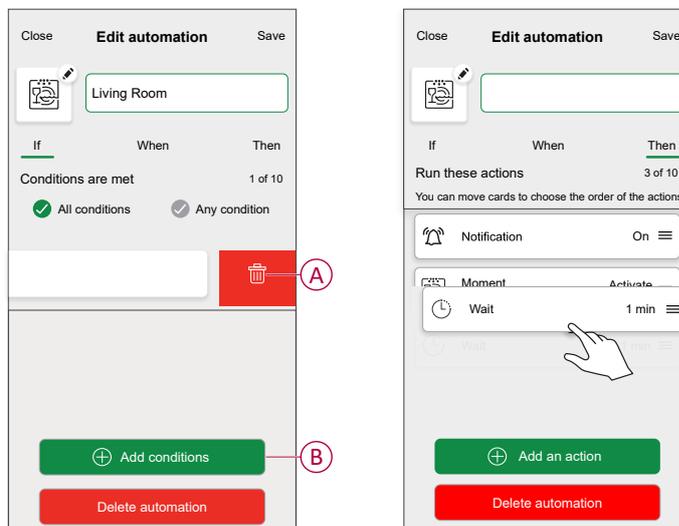
7. Tap **Save**.

The saved Automation is displayed on the **Automation** page. Tap the toggle switch (G) on the Automation page to enable/disable the Automation.



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.

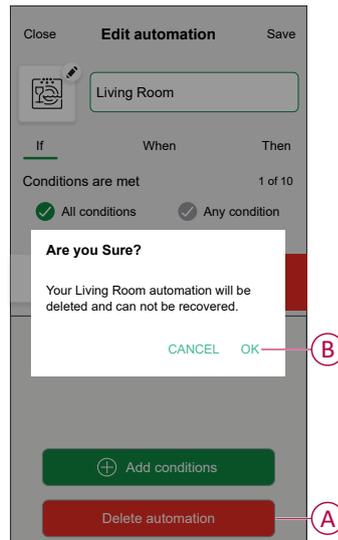


4. Tap **Save** to save the changes.

Deleting an automation

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

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

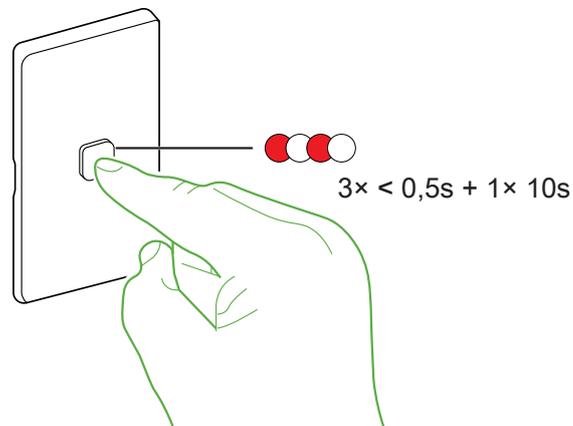


Resetting the device manually

You can reset the device to factory default manually.

Short press the push button three times (<0,5 s) and then long press the push button once (>10 s).

After 10 s, release the push button when the LED starts blinking red.



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

LED Indication

Pairing

User Action	LED Indication	Status
Press the push-button 3 times	<p>LED blinks amber/orange</p>  <p>LED blinks orange for Zigbee.</p>  <p>LED blinks red green, for Bluetooth.</p> 	<p>Pairing mode is active for 30 seconds. When pairing is completed, LED glows green for some time before turning off.</p> 

Changing protocol

User Action	LED Indication	Status
Short press the push-button 3 times and long press once for > 20 s.	LED blinks red rapidly indicating commencement of protocol change. 	<p>On successful change in protocol:</p> <ul style="list-style-type: none"> Zigbee to Bluetooth - No colour indication, white back light only. Bluetooth to Zigbee - Flashing Amber LED (Indicating that device is in pairing mode), if pairing is not completed will become solid Amber

Resetting

User Action	LED Indication	Status
Press the push-button 3 times and long press once for > 10 s.	<p>After 10 s, the LED blinks red.</p> 	<p>The device resets to the factory default after 10 seconds. The device then restarts and the LED blinks amber/orange indicating that it is ready for pairing.</p>  <p>For Zigbee, the device is reset to the factory settings after 10 seconds. The device then restarts and the LED blinks orange indicating that it is ready for pairing.</p>  <p>For Bluetooth, the device is reset to the factory settings after 10 seconds and the device turns off.</p>

LED Indicator Mode

Load Status	ON	OFF
Reverse with load	No LED	White LED is on
Consistent with load	White LED is on	No LED
Always Off	No LED	No LED
Always On	White LED is on	White LED is on

Troubleshooting

Symptom	Solution
Dimming up not possible.	<ul style="list-style-type: none"> Reduce/increase load. Allow the Dimmer to cool in case of overheating. Change the load (if the load is incompatible with the Dimmer).
Switching On not possible.	<ul style="list-style-type: none"> Allow the Dimmer to cool in case of overheating. Reduce load. Change load. Check wiring between the push button and the Dimmer.
Flickering at minimum brightness.	<ul style="list-style-type: none"> Increase minimum brightness (if flickering still persists, install a 31LCDA load correction device). Change the load (if the minimum brightness is insufficient). Set to RL LED mode, page 7.
Flickering	<ul style="list-style-type: none"> Change load. Set to RL LED mode, page 7.
Only slight dimming capability	<ul style="list-style-type: none"> Change dimming range. Set to RL LED mode, page 7. Change the load (if the load is incompatible with the Dimmer).
The device is not ready to pair after the device is removed from the app.	Reset to factory default settings, refer to reset the device, page 24.

Technical Data

Nominal voltage	AC 220 V - 240 V, 50 Hz		
Nominal power	Load type	Load name	Load value
	 LED	LED	150 W
		Incandescent lamp	300 W
		Halogen lamp	300 W
Load rating	Max 300 W		
Load connection	LED indicator flashes in the event of load disconnection or failure.		
Dimming range	Min 0%, Max 100%		
Protection	Over temperature: Yes Short circuit: Yes Overcurrent/thermal fuse: Yes		
LED indicator	Yes		
Multiway control	Yes, via ControlLink		
Multiway limits	Max 5 - way dimming (Max 3 Iconic Dimmers remainder Control Link Modules.)		
Control Link/Active cable limit	Total length of CTL and Active loop: max. 50 m		
Supported protocols	Zigbee, BLE		
Compatible plate ranges	Iconic, Iconic Styl, Iconic Essence, Pro Series		
Mounting centres	84 mm pattern plate		

Power failure data retention	Internal date/time retained for at least 6 hrs. Settings preserved indefinitely.
Environmental rating	IP20
Operating humidity	5%–90% RH, non-condensing
Specifications typical at 25 °C	

Compliance

Safety	AS/NZS 60669.2.1
EMC	AS/NZS 60669.2.1
RF	AS/NZS 4268

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

Click the link below to read about Schneider Electric's Green Premium product strategy.

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



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DUG_Iconic Dimmer_WHP-01