

Wiser Micro Module Switch

Device user guide

Information about features and functionality of the device.

06/2024

CLIPSAL[®]



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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.

Wiser Micro Module Switch



CLP5011WSZ
PDL5011WSZ

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 Switch (hereinafter referred to as / **Micro Module Switchmodule**) combines the advantages of smart switch functionality with ordinary mechanical push-button switches. It transforms a conventional switch into a connected device that can be controlled from the switch or through the Wiser app. It can switch ohmic, inductive or capacitive loads.

NOTE: Do not control any devices that depend on a permanent power supply.

Additional features:

- Remote controlled with maximum of 10 mechanical push-buttons.
- Setting a time schedule via Wiser Home app.

Installing the device

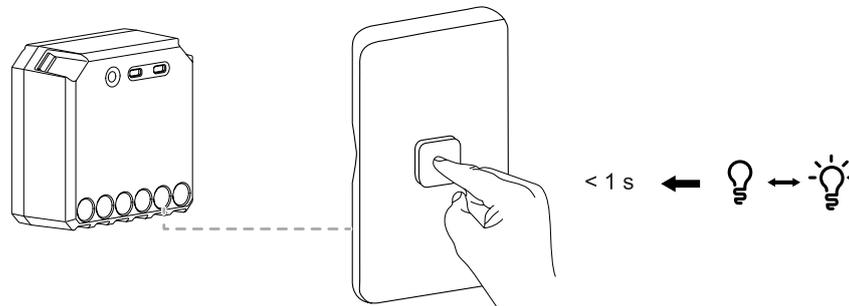
Refer to the installation instruction supplied with this product.

See [Wiser Micro Module Switch](#).

Testing the device

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

Short press the push button once, the connected device turns on/off.



Pairing the device with the Wiser Hub

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

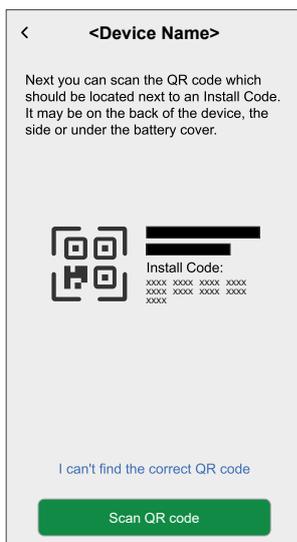
To pair the puck:

1. On the **Home** screen, tap .
2. Tap **Devices** > **+** > **Lights** > **Micromodule Switch**.

TIP: You can also navigate by tapping **Control** > **+** > **Lights** > **Micromodule Switch**.

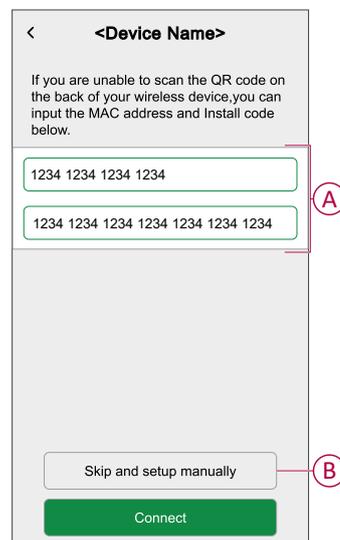
3. Tap **Scan QR code** and allow the Wiser Home app to access your camera. Then, scan the QR code located on the device.

NOTE: If you are unable to find the correct QR code, tap **I can't find the correct QR code** to pair the device manually and proceed to step 4.



If the QR code is incorrect, a message **Incorrect QR code scanned** will appear. Tap **I can't scan the QR code** and choose one of the following options:

- **(A):** Enter the MAC Address and Install Code, then tap **Connect**. The app will verify if the MAC address and Install code are valid.
- **(B):** Tap this option if you are unable to find the MAC address and Install code.

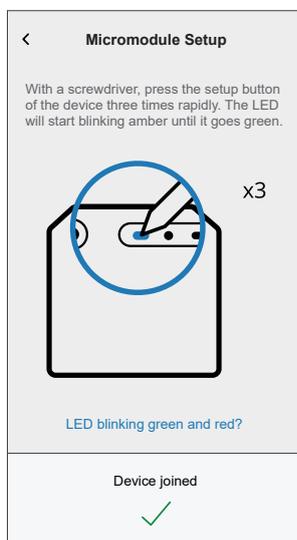
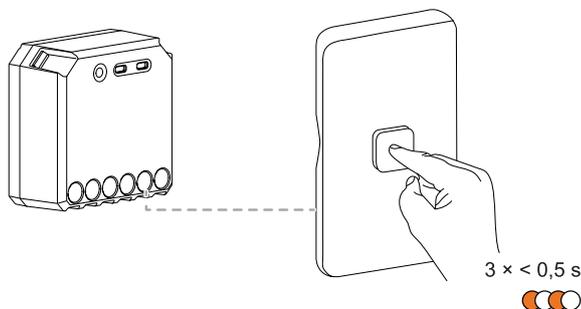


4. Tap **Next** and select any one of the options to add the device:

- 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.

Wait for a few seconds until the LED turns green and the app confirms that the device is joined.



NOTE: If the LED is blinking green and red, see the instructions by tapping **LED blinking green and red?** or refer to the [Troubleshooting, page 26](#) topic.

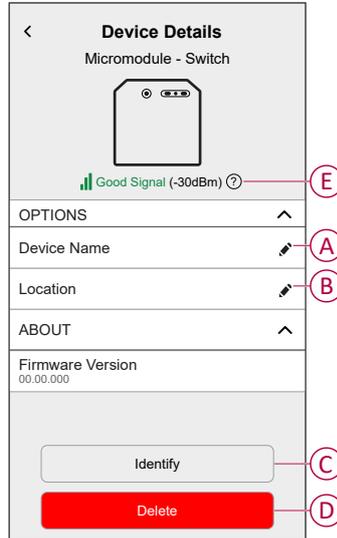
5. Tap **Next** to enter the name of the device and assign the device to a new room or an existing room.

The **Puck** is now listed on the **Control** tab under the **All** and **Room** tabs.

Configuring the device

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

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



A	Device Name: Tap to change the name of the device. For more information refer to the Renaming the device, page 11 topic.
B	Location: Tap to assign the Device to any room (such as living room, bedroom, kitchen etc). Refer to Selecting the device location, page 9 for more details on how to set the location.
C	Identify: Tap to identify the device. The status LED blinks red and connected lighting devices blinks On/Off, upon successful identification of the switch. Tap OK when you finish identifying the device. For more information refer to the Identifying the device, page 11 topic.
D	Delete: Tap to remove the device from the system. NOTE: <ul style="list-style-type: none"> • Removing the device will also reset the switch. After reset, the LED turns amber indicating that the switch is ready for pairing. • If there is a problem while pairing or resetting the switch, refer to Resetting the device, page 25.
E	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)

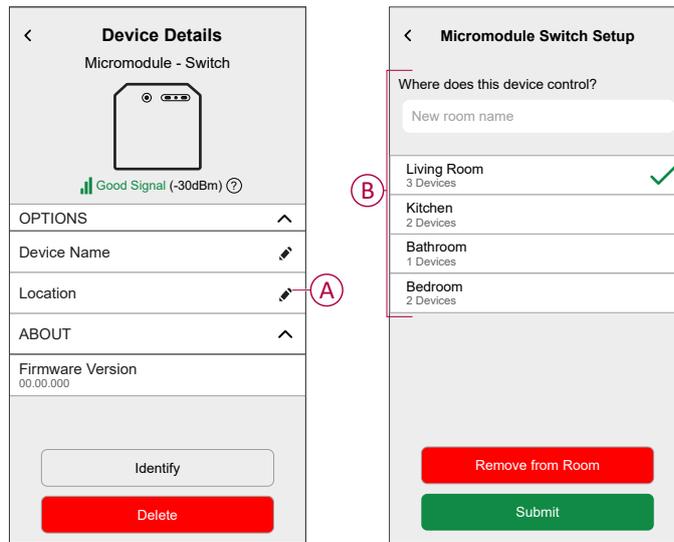
Selecting the device location

Using the Wiser Home app, you can add your puck to any room (such as living room, bedroom, kitchen etc).

1. On the **Home** screen, tap .

2. Tap **Devices > Micromodule Switch > Location (A)** to assign the puck to an existing room or a new room (B) and tap **Submit**.

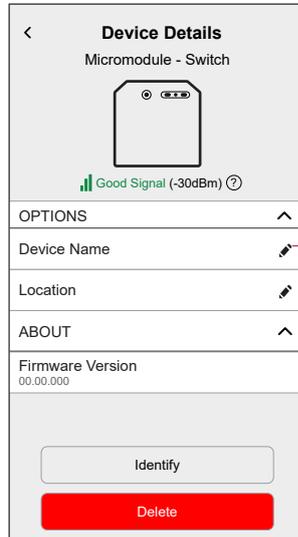
TIP: If the device is already assigned, you can remove it from the existing room. Tap **Remove from Room**.



Renaming the device

Rename the device using the Wiser Home app.

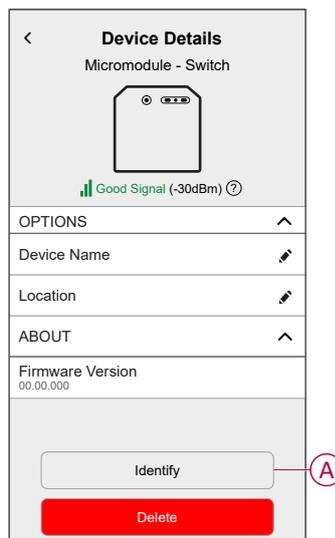
1. On the **Home** screen, tap .
2. Tap **Devices > Micromodule Switch > Device Name (A)** to rename the device.



Identifying the device

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

1. On the **Home** screen, tap .
2. Tap **Devices > Micromodule Switch > Identify (A)**.



The status LED blinks red and connected devices blinks on/off, upon successful identification of the puck.

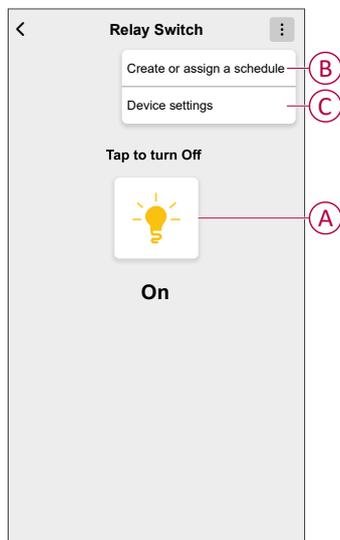
3. Tap **OK** to finish identifying the device.

Using the device

The Device Control Screen allows you to switch ON/OFF the device and control various settings.

On the **Control** tab, select the relay switch.

The Device Control Screen displays the following options:

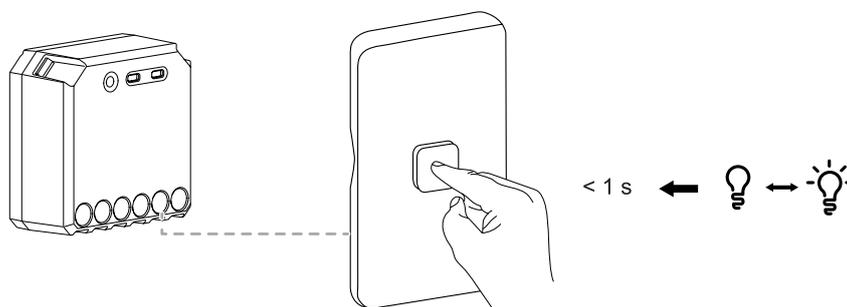


A	Tap to manually turn the device ON/OFF.
B	Tap to redirect you to the Schedule screen, where you can create a schedule. For more information, refer to the Setting up a schedule , page 14 topic.
C	Tap to control various settings from the Device Settings screen. For more information, refer to the Configuring the device , page 9 topic.

Manual operation

When the module is connected to a mechanical push button, the connected devices can be controlled manually by short pressing the push button.

NOTE: When the module is installed inside the wall box, the status LED is not visible while using the module.



Turning the puck On/Off using app

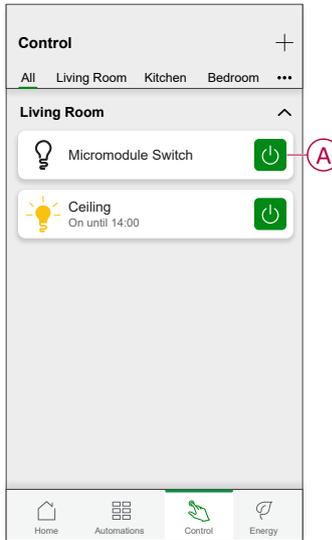
Using the Wiser Home app, you can turn On/Off the puck remotely.

To turn On/Off the puck using the app:

1. On the **Control** tab, tap **All** devices or the room tab where the device is located.

2. Tap  (A) to turn On/Off the puck.

TIP: You can also turn the device On/Off when you add it to your **Favourite** from the **Home** screen. To know more about **Favourite**, refer to the **Managing Favourites** topic in the respective System User Guide.



NOTE: The **Control** tab will not be visible if you have only a single device in the Wiser System. All functions will be accessible through the **Home** screen.

Schedule

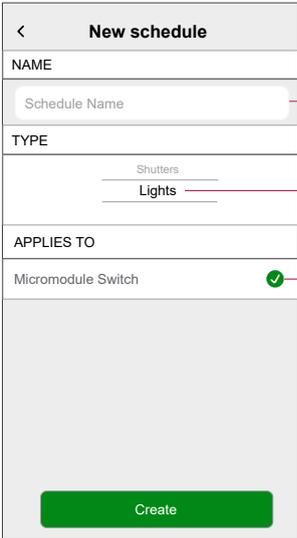
You can set up schedules to specify the times at which a state of the device changes.

Setting up a schedule

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

To create a schedule:

1. On the **Home** screen, 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 **Micromodule Switch** (C) from the listed devices.
6. Tap **Create** to setup events.



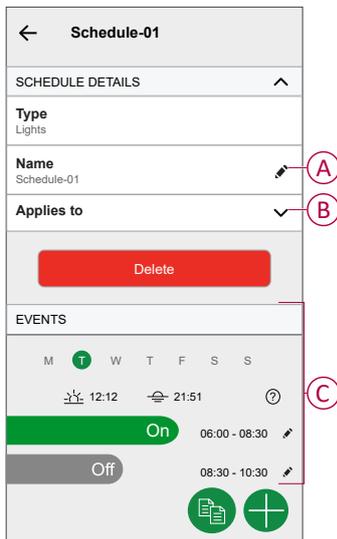
7. Under **EVENTS** menu, select a day and then tap  to add an event such as **STATE** (lights On/Off) and **WHEN** (sunrise/sunset or specific time range).
8. Tap **Set** to save the schedule.

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**.
- When the schedule begins, you can see the **until time** in the following screens:
 - Device Control Screen.
 - Control tab under the device name.
 - Favourite devices section on the home screen.

Editing a schedule

1. On the **Home** screen, tap **Automations**  > **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.



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

4. Under the **EVENTS** (C) menu, you can do the following actions:
 - Tap  to update an event, such as **STATE** (lights Off or dimming level in %), **WHEN** (sunrise/sunset or a specific time range), and you can also delete an event.
 - Tap **Set** to save the schedule.

Deleting a schedule

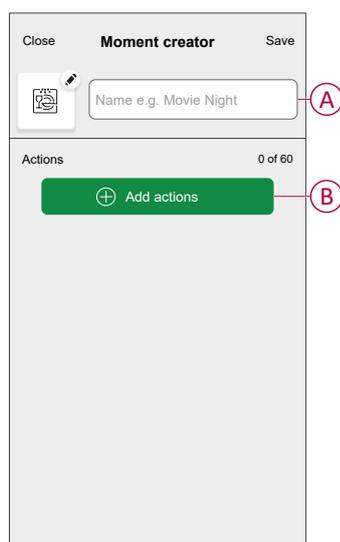
1. On the **Home** screen, tap **Automations**  > **Schedules**.
2. Tap the schedule you want to delete.
3. Tap **SCHEDULE DETAILS**, tap **Delete**, and then select **OK**.

Moments

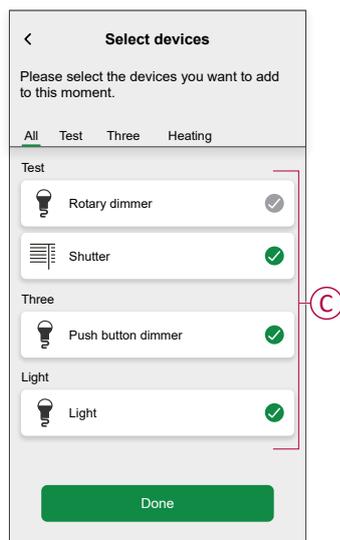
Moment allows you to group multiple actions that are usually performed together. By using the Wiser Home app, you can create moments based on your needs.

Creating a moment

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



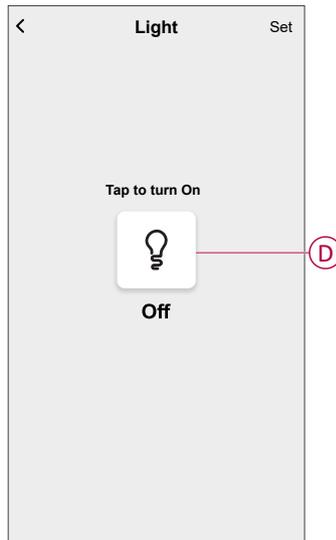
5. In the **Add actions** menu, you can select the devices (C).



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

7. On the **Moment creator** page, tap on the device to set the condition. For example, select micromodule switch.

- Tap  (D) to turn on.



When the desired condition is set, tap **Set**.

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

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

TIP:

- If you want to see the created moments on the **Home** screen, go to **Home** >  > **Home Screen** > **Moments** and enable the Moments toggle switch.
- You can also rearrange the moments by tapping **Edit** from the Moments tab on the Home screen, or by tapping **Automation** > **Moments** > **Reorder**.

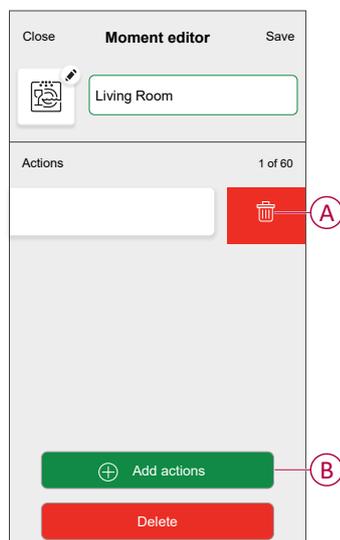
Editing a moment

To edit a moment:

1. On the **Home** screen, tap .
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.

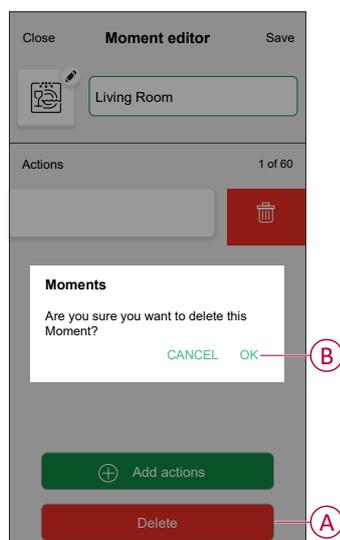


4. Tap **Save** to save the changes.

Deleting a moment

To delete a moment:

1. On the **Home** screen, tap .
2. Go to **Moments**, locate the moment you want to delete and tap  (A).
3. On the Moment Editor page, tap **Delete** (A) and tap **OK** (B).



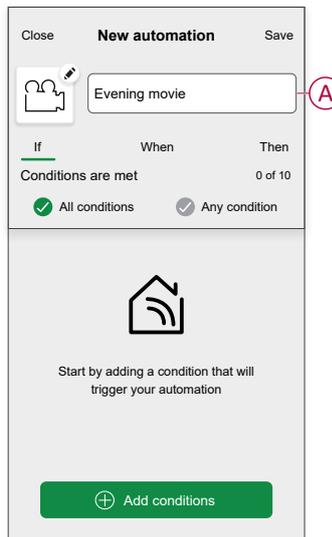
Automation

An automation allows you to trigger an action automatically or at scheduled times when certain conditions are met. 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** screen, tap .
2. Go to **Automation** and then tap  to create an automation.
3. Enter a 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.

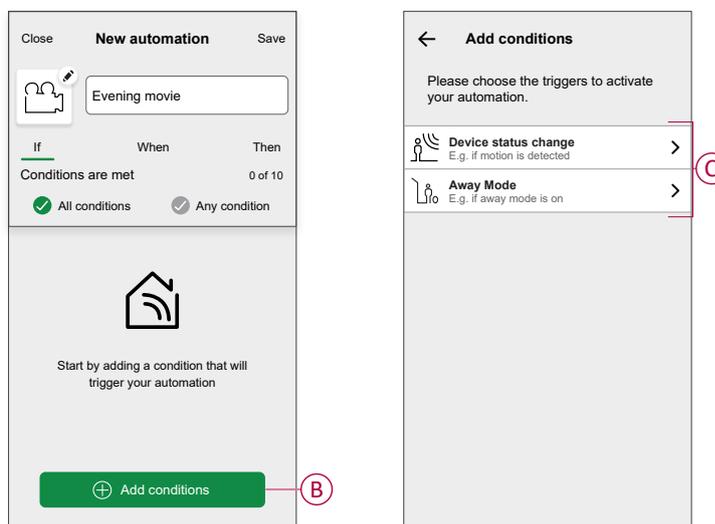
TIP: You can choose the cover image that represents your automation by tapping .



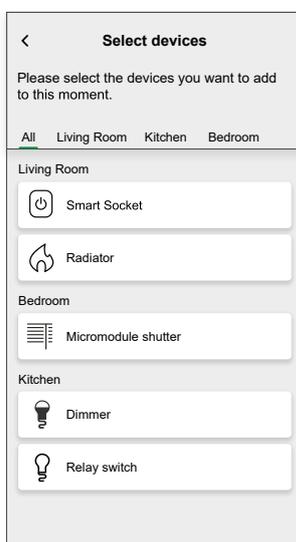
4. Tap **Add conditions** (B) and select any of the following (C):

- **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. Refer to the *Away Mode* topic in the respective 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.



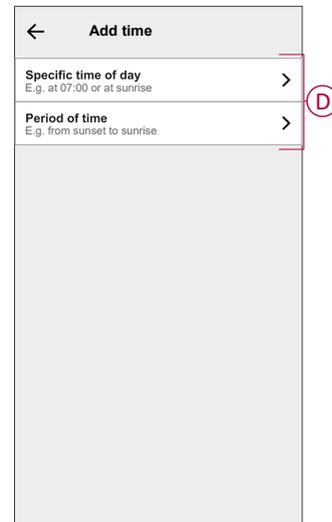
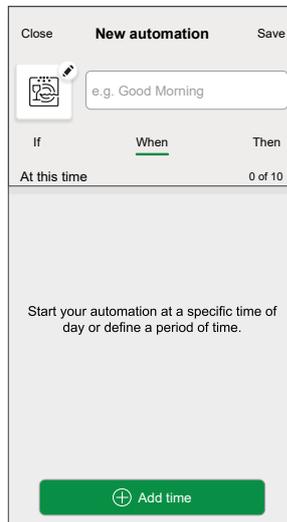
- b. After selecting the device, tap **Set** on the top-right screen.

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.

- 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.

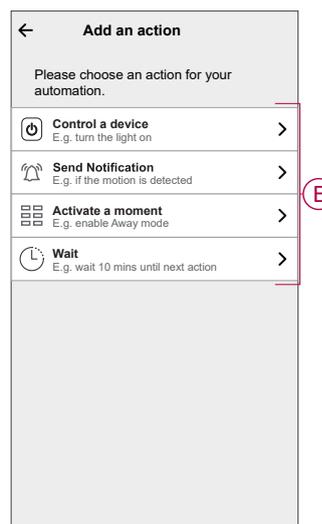
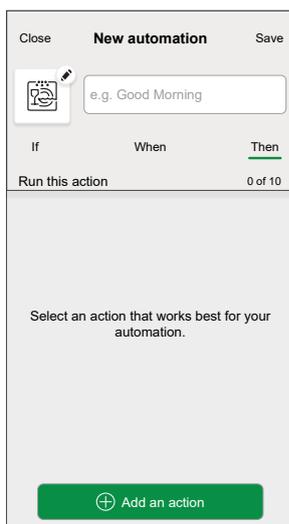
- **Specific time of day** - The automation will trigger at a specific time of the day, such as at sunrise, sunset, or at 8:00 AM.
- **Period of time** - The automation will be trigger during time periods such as from sunrise to sunset, from sunset to sunrise, or from 8:00 AM to 5:00 PM.



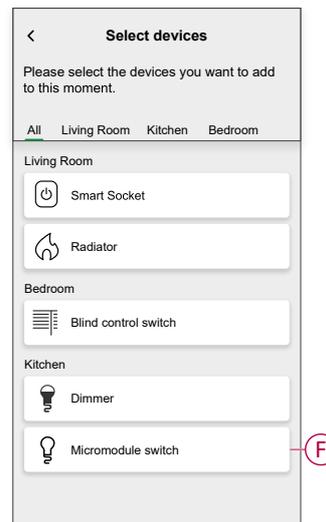
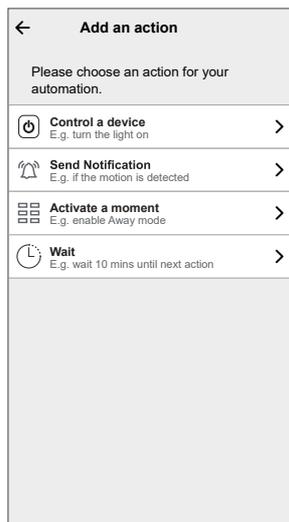
6. To add an action, tap **Then > Add an action** and select any of the following (E):

NOTE: Maximum 10 actions can be added.

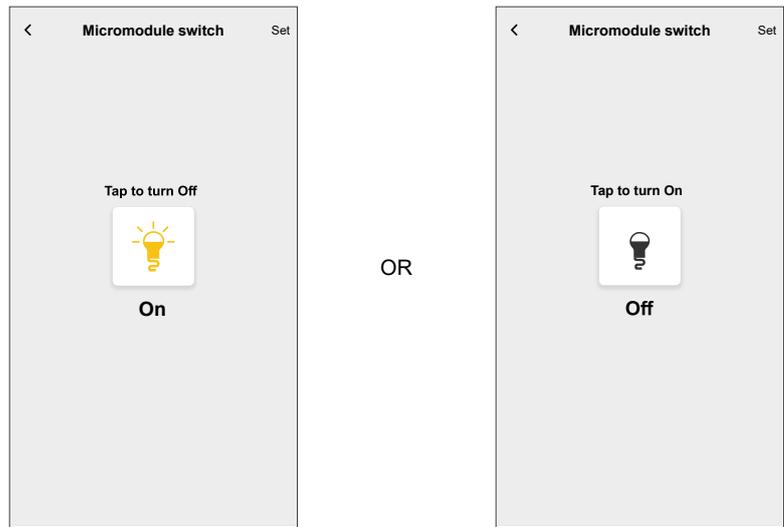
- **Control a device** - Select the device and set the desired state of the device.
- **Send notification** - You will be notified if the condition is met.
- **Activate a moment** - Select a Moment to activate during the automation.
- **Wait** - This option allows you to add a delay in an automation 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.



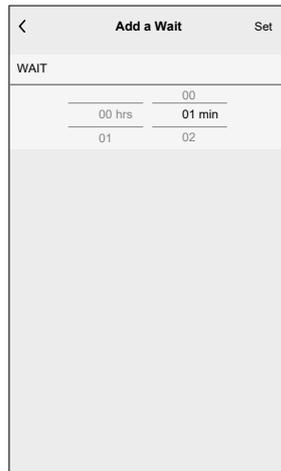
- a. In this example, we will select for **Control a device** and choose **Micromodule switch** (F) as the device to trigger an action.



- b. Set the state, such as turning the Micromodule switch On/Off. Then, tap **Set** on the top-right screen.

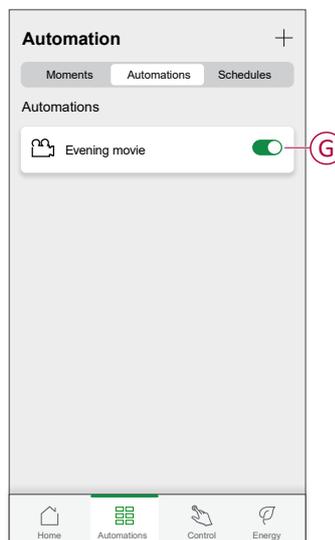


- c. Again, tap **Add an action** and select **Wait** option.
- d. Scroll through the minutes and set the wait time to 1 minute. Then, tap **Set** on the top-right screen.



7. Tap **Save**.

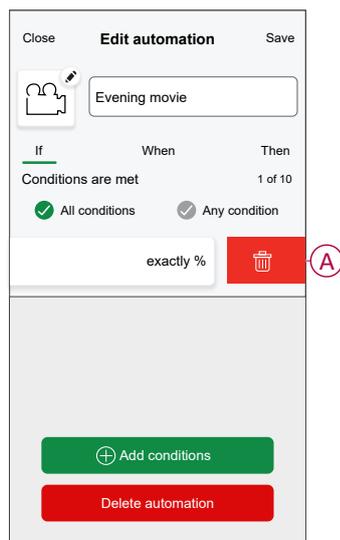
The saved automation is displayed on the **Automation** tab. Tap the toggle switch (G) on the Automation tab to enable/disable the Automation.



Editing an automation

To edit an automation:

1. On the **Home** page, tap .
2. Go to **Automation**, tap the automation you want to edit.
3. On the **Edit automation** page, you can:
 - Change the icon.
 - Rename the automation.
 - Change/Delete the condition or action.
4. Remove the Condition or Action by swiping it to the left and tapping the **bin** (A).

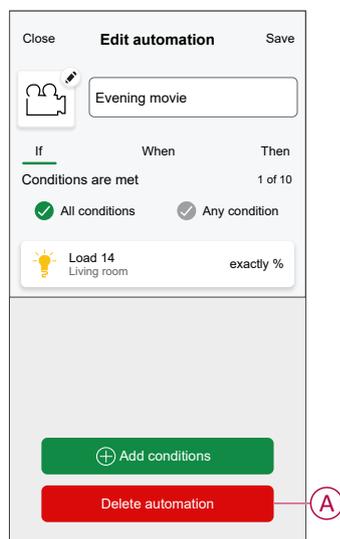


5. Add a new condition or action and then tap **Save**.

Deleting an automation

To delete an automation:

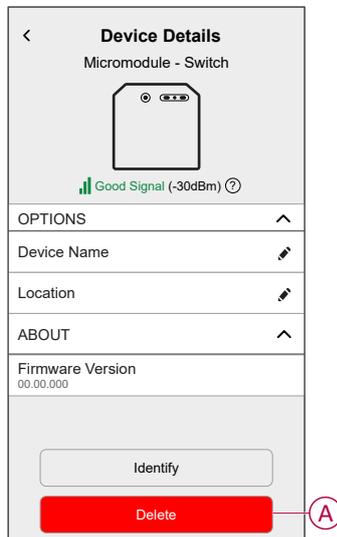
1. On the **Home** page, tap .
2. Go to **Automation**, tap the automation you want to delete .
3. On the Edit automation page, tap **Delete Automation** (A) and tap **Ok**.



Removing the device

Using the Wiser app, you can remove the puck from the system.
To remove the device:

1. On the **Home** screen, tap .
2. Tap **Devices > Micromodule Switch > Delete (A)**.



NOTE:

- Removing the device will reset the puck. After reset the LED turns amber indicating that the puck is ready to pair with another network.
- If there is a problem while pairing or resetting the puck, refer to [Resetting the device](#), page 25.

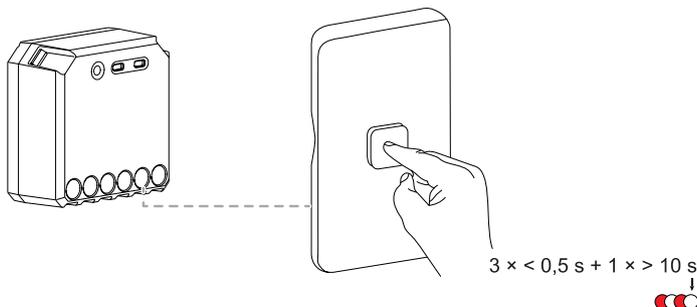
Resetting the device

You can reset the device to factory default manually.

1. Short press the push button 3 times and then long press the push button once for 10 s.
2. After 10 s, LED starts blinking red then release the operation button.

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

The LED stops blinking upon successful reset of the device.
The module restarts and blinks green for a few seconds.



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

Error	Possible cause	Solution
The device is not ready to pair after the device is removed from the app.	The device is not reset correctly.	Reset to factory default settings, refer to Resetting the device manually, page 25.

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 µF
	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 ² , 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

Product Environmental Data

Find and download comprehensive environmental data about your products, including RoHS compliance and REACH declarations as well as Product Environmental Profile (PEP), End-of-Life instructions (EOLI) and much more.

<https://www.se.com/myschneider>



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Schneider Electric (Australia) Pty Ltd
33-37 Port Wakefield Road
Gepps Cross SA 5094
Australia

Customer Care: 13 73 28

www.clipsal.com
www.pdl.co.nz

Schneider Electric (NZ) Ltd
Level 2, Building 6, 64 Highbrook Drive
East Tamaki, Auckland 2013
New Zealand

Customer Care: 0800 741 303

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DUG_Micro Module Switch_WHP-01