

# ELKO - Power Tag Control

## Wiser Home Device User Guide

Information about features and functionality of the device.

10/2025



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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.

# About the document

## Document Scope

This document provides detailed instructions for installing, pairing, and configuring the PowerTag Control device within the Wiser Home system. It explains how to assign device locations, customize settings, and manage connected appliances using the Wiser Home app. Users can create schedules, moments, and automations to control devices based on time or conditions. The guide also covers device identification, renaming, and removal, along with technical specifications.

## Validity Note

The characteristics of the products described in this document are intended to match the characteristics that are available on [www.se.com](http://www.se.com). As part of our corporate strategy for constant improvement, we may revise the content over time to enhance clarity and accuracy. If you see a difference between the characteristics in this document and the characteristics on [www.se.com](http://www.se.com), consider [www.se.com](http://www.se.com) to contain the latest information.

## For your safety

### **DANGER**

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

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks.
- Connecting several electrical devices.
- Laying electric cables.
- Safety standards, local wiring rules and regulations.

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

## General Cybersecurity Information

In recent years, the growing number of networked machines and production plants has seen a corresponding increase in the potential for cyber threats, such as unauthorized access, data breaches, and operational disruptions. You must, therefore, consider all possible cybersecurity measures to help protect assets and systems against such threats.

To help keep your Schneider Electric products secure and protected, it is in your best interest to implement the cybersecurity best practices as described in the [Cybersecurity Best Practices](#) document.

Schneider Electric provides additional information and assistance:

- [Subscribe to the Schneider Electric security newsletter.](#)
- [Visit the Cybersecurity Support Portal web page to:](#)
  - [Find Security Notifications.](#)
  - [Report vulnerabilities and incidents.](#)
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  - [Access the cybersecurity posture.](#)
  - [Learn more about cybersecurity in the cybersecurity academy.](#)
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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>



### **General information about Schneider Environmental Data Program**

Click the link below to read about Schneider Electric's Environmental Data Program.

<https://www.se.com/ww/en/about-us/sustainability/environmental-data-program/>



## Declaration of Conformity

Hereby, Schneider Electric Industries SAS, declares that this product is in compliance with the essential requirements and other relevant provisions of RADIO EQUIPMENT DIRECTIVE 2014/53/EU

Declaration of conformity can be downloaded on:

- <https://www.go2se.com/ref=A9XMC1D3>

## Available Languages of the Document

The document is available in these languages:

- English
- Norwegian

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# PowerTag Control



**A9XMC1D3**

## About the device

PowerTag Control (PTC) is a wireless-communication module explicitly designed for controlling and monitoring applications. It is part of PowerTag System and Wiser System, turning a distribution board into a connected panel.

PowerTag Control monitors circuits wirelessly, collecting status of daisy-chained circuit breakers and notifying the Wiser Hub of information status, such as OFF, Contactor (CT) or Impulse Relay (TL) position indication. The PTC has a volt free relay contact providing control of 230 VAC loads up to 2 A.

- Zigbee technology simplifies cabling and commissioning operations: no wiring is required for the PowerTag Control modules to communicate with the Wiser Hub.
- System scalability: PowerTag Control modules can be easily installed in new or existing panels at any time with a simple commissioning operation.
- PowerTag Control modules are DIN rail mounted.

## Installing the device

Refer to the installation instruction supplied with this product.

It is recommended to install the PowerTag within 3 metres of the Wiser Hub for best results. Signal quality is best maintained when there are no big obstructions (thick walls, metal cabinets etc.) between the PowerTag & your Wiser Hub. This provides a good network strength and helps to prevent online/offline issues, which might result in corrupting data.

Refer installation video: [How to Install PowerTag Control - IO Module](#)

This video is applicable for installation of PowerTag driving an Impulse relay using “remote indication auxiliary and 2 feedback loop wires”. Wherein for the PowerTag driving a contactor does not “require remote indication auxiliary and 2 feedback loop wires”.

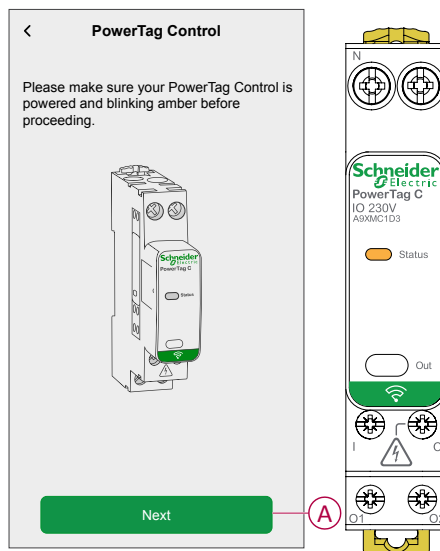
## Pairing the device with the Wiser Hub

Pair your PowerTag Control with the Wiser Hub to access and control it using the Wiser Home app.

**IMPORTANT:** Make sure that the PowerTag Control has been installed by a qualified professional.

1. On the **Home** screen, tap .
2. Tap **Devices** >  > **Energy**.
3. Select **PowerTag Control** and then tap **Next** (A) on setup page.

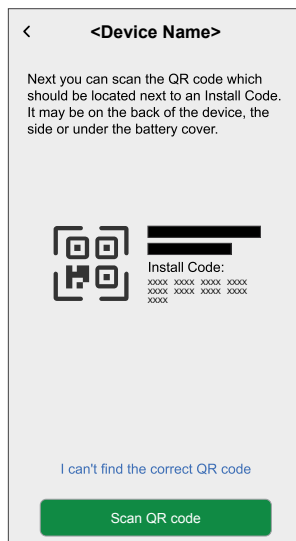
**TIP:** You can also navigate by tapping **Control** >  > **Energy** > **PowerTag Control**.



**NOTE:**

- Make sure your PowerTag Control is powered and blinking amber before proceeding.
- During pairing process, if the PowerTag Control LED is slowly blinking red (every 5 s), wait for 4 min until the LED blinks red several times a second. Then press the setup button for > 10 s to reset the device. When the LED is blinking amber, retry the device pairing.

4. Select an option to pair the device:
- **Scan QR code:** you can scan QR Code on the device for the install code.
  - **I can't find the correct QR code:** you can manually enter the **MAC Address** and **Install Code** of the device if you are not able to scan the QR code.



**IMPORTANT:** It is highly recommended to pair the device with **MAC Address** and **Install Code**.

5. 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 the QR code is incorrect, a message **Incorrect QR code scanned** will appear, then tap **I can't find the correct QR code** and manually enter **MAC Address** and **Install Code** and then tap **Connect**.

If the **MAC Address** and **Install Code** are not visible, you can pair the device by tapping **Skip and setup manually**.

The Wiser Home app verifies as **Confirmed** if the **MAC Address** and **Install Code** are valid.

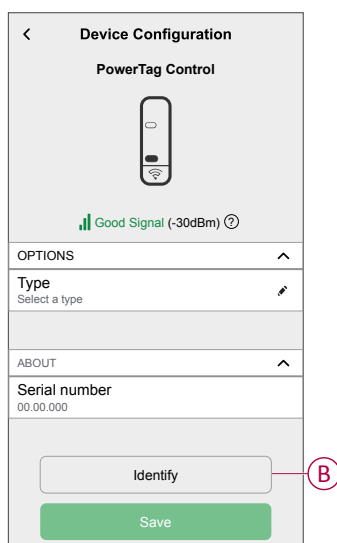
6. Wait a few minutes for the PowerTag Control to be discovered and to join the Wiser system.  
You can check the progress in the app.



Upon successful pairing status LED turns green.

7. After joining, read the pop-up message and tap **OK**.
8. In configuration page, tap **Identify** (B) to identify the PowerTag Control before configuring.

**IMPORTANT:** It is recommended to perform device identification to make sure you are configuring the correct PowerTag Control device.



A notification window is prompted and the status LED flashes fast in green on the PowerTag Control. Tap **OK** on the notification window when you have finished identifying the PowerTag Control.

9. Tap **Type** (C) and select the label that represents your PowerTag Control and tap **Save**.

**TIP:** You can also select **Custom** option at the end of list and select a custom label.

Device Configuration  
PowerTag Control

Good Signal (-30dBm) ?

OPTIONS

Type  
Water Heater

Name  
Water Heater

Output Type  
Select an output

ABOUT

Serial number  
00.00.000

Identify

Save

10. Tap **Name** (D) to enter the name according to your preference.
11. Tap **Next** and assign the device to a new room or an existing room and tap **Submit**.

**IMPORTANT:** The next screen shows the **Device Settings** page, where you have the option to configure the settings during the pairing process or at a later time. If you prefer to configure it later, tap **Submit**. For more information on device settings, refer to [Configuring the device](#), page 18 section.

12. Tap **Output type** (E) and select one for the following electrical output from the drop down menu (F) and tap **Done**.
- **Contactor:** to control electric motors, lighting, heating, capacitor banks, thermal evaporators, pumps, hot water systems, and other electrical loads which are typically used in applications where frequent make-and-break operations are required. Follow [Step 13](#).
  - **Impulse Relay:** to switch when an electrical pulse is applied to its coil. Used in applications where a momentary electrical signal is used to control a circuit. Follow [Step 14](#).

Device Configuration  
PowerTag Control

Good Signal (-30dBm) ?

OPTIONS

Type  
Water Heater

Name  
Water Heater

Output Type  
Select an output

ABOUT

Serial number  
00.00.000

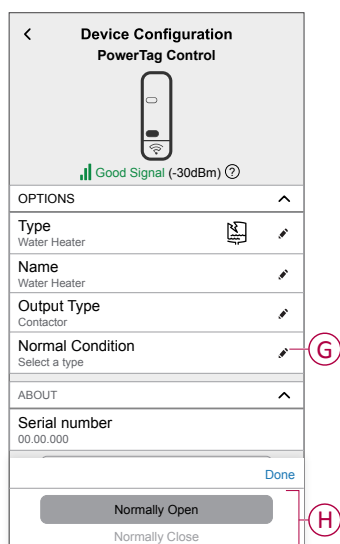
Done

Contactor

Impulse Relay

### 13. For Contactor output type:

- a. Tap **Normal Condition**  (G) and select one for the following states of the contact option from the drop down menu (H) and tap **Done**. These states determine how the contactor behaves when power is applied or removed. The choice between Normally Open and Normally Close contactors depends on the specific control or protection requirements of the electrical circuit.
- **Normally Open:** the contacts are opened when the coil is not energized, and they close when the coil is energized.
  - **Normally Close:** the contacts are closed when the coil is not energized, and they open when the coil is energized.



- b. Tap **Next** to setup page, select the room which PowerTag Control controls and then tap **Submit** to complete pairing process.

**NOTE:** Energy Centre room is created by the system and it is pre selected by default. If you choose an other room, Energy Centre will not be added to the system.

**14. For Impulse Relay output type:**

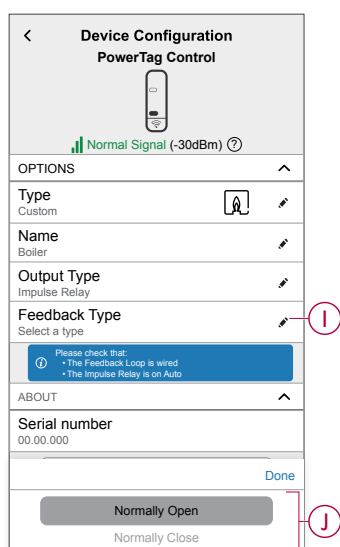
**NOTE:** Check if the Feedback Loop is wired and Impulse Relay is on Auto.

The impulse relay contains a latched technology relay with a resting state that can be either open or closed. Unlike a contactor, which features a monostable technology and a defined resting state.

- a. Tap **Feedback Type** (I) and select one for the following feedback loop from the drop down menu (J) and tap **Done**. These feedback types are important for understanding how the relay communicates its state to other components or systems in a larger control or monitoring setup.

– **Normally Open**: the relay's contacts are open in their resting state. When the relay is energized, these contacts close to indicate the active state.

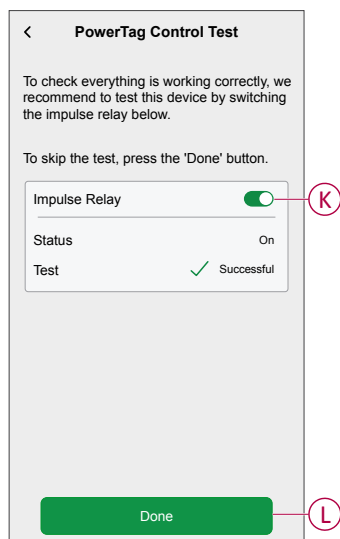
– **Normally Close**: the relay's contacts are closed in their resting state. When the relay is energized, these contacts open to indicate the active state.



- b. Tap **Next** to setup page, select the room which PowerTag Control controls and then tap **Next**.

**NOTE:** Energy Centre room is created by the system and it's pre selected by default. If you choose an other room, Energy Centre will not be added to the system.

- c. After selecting the room you can test the impulse relay feedback to check everything is working correctly by turning on the toggle switch (K) for **Impulse Relay** and wait for few minutes for the test to complete. The App shows the progress of the test.

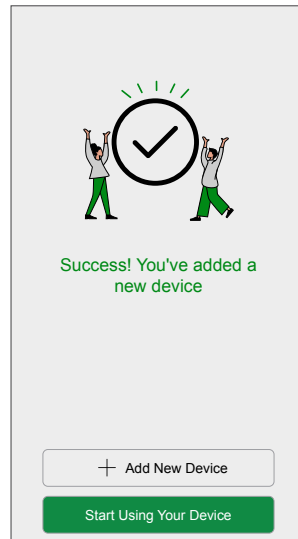


**NOTE:** If the impulse test is not successful refer installation instruction for wiring connection.

- d. Tap **Done** (L) to complete the pairing process.

After you pair the device, a success screen appears with the following options:

- **+ Add New Device:** Tap to continue pairing more devices.
- **Start Using Your Device:** Tap to start using the paired device.



**NOTE:** The success screen appears only if you are logged in as a **Home Owner**.

Now, you can see the newly added device on the **Control** tab under the **All** and **Room** tabs.

**NOTE:** If you only have single PowerTag Control in the Wiser System, the **Control** page will not be visible. All functions will be accessible through the **Home** screen.

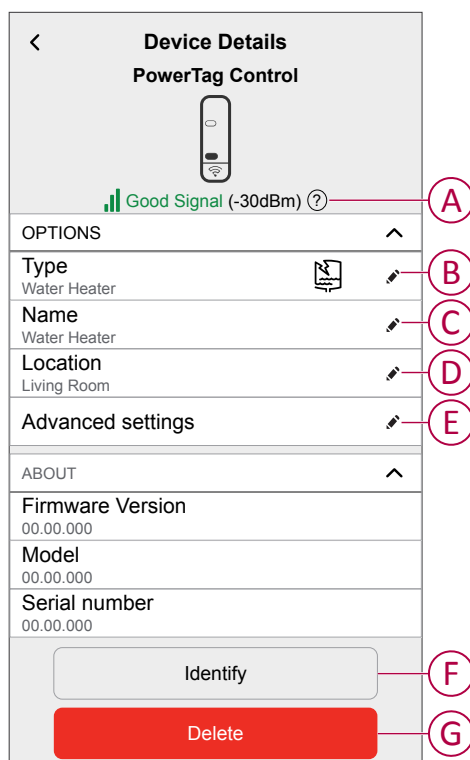
## Configuring the device

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

You can configure the device through its Device Details screen.

1. On the Home screen, tap .
2. Tap **Devices > Energy** (or the room where PowerTag is assigned) and select the device which you want to configure

**TIP:** You can also open device details screen by tapping on **Device settings** on the control panel.

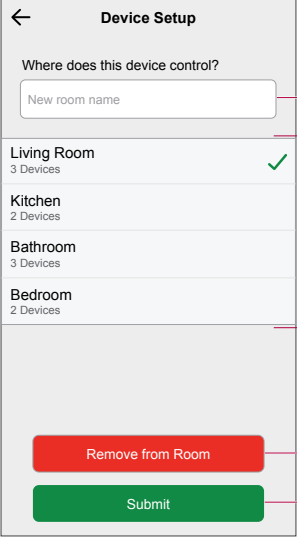


|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | <p><b>Zigbee Signal Strength Indicator:</b> Zigbee Signal Strength indicator which displays the current signal strength of the device.</p> <ul style="list-style-type: none"> <li>•  Good Signal (between 0 &amp; -54dBm)</li> <li>•  Normal Signal (between -54 &amp; -79dBm)</li> <li>•  Poor Signal (&lt;-79dBm)</li> <li>•  No Signal (device is offline)</li> </ul> |
| B | <p><b>Type:</b> Tap to change the label according to your preference.<br/> <b>TIP:</b> You can also select <b>Custom</b> option at the end of list and select a custom label.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| C | <p><b>Device Name:</b> Tap to change the name of the device.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| D | <p><b>Location:</b> Tap to assign the Device to any room (such as living room, bedroom, kitchen etc). Refer to <a href="#">setting the device location</a>, page 19 for more details on how to set the location.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| E | <p><b>Advanced settings:</b> Tap to change the Output type and wiring condition, Refer <a href="#">advanced settings</a>, page 20.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| F | <p><b>Identify:</b> Tap to identify the device. The status LED blinks red and connected lighting devices blinks On/Off, upon successful identification of the dimmer.<br/> Tap <b>OK</b> when you finish identifying the device.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| G | <p><b>Delete:</b> Tap to remove the device from the system.</p> <p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>• All the historical data will be deleted from the app.</li> <li>• If there is a problem while pairing, refer to <a href="#">resetting pairing mode</a>, page 37.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                              |

## Setting the device location

You can add your device to any room (such as bedroom, living room, dining room etc.).

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



Device Setup

Where does this device control?

New room name (A)

Living Room  
3 Devices ✓

Kitchen  
2 Devices

Bathroom  
3 Devices

Bedroom  
2 Devices

Remove from Room (C)

Submit (D)

**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).

## Advanced settings

You can view the PowerTag Control output type and states of the contacts/ feedback loop used in the system configured during pairing.

**IMPORTANT:** The option/settings cannot be modified once it is initially set during pairing. If you find that the settings are not correct, we recommend removing the PowerTag Control from the Wiser system and recommissioning it with the correct option/settings.

Refer:

- Pairing the device, page 9
- Removing the device, page 18

1. On the Home screen, tap .
2. Tap **Devices > Energy** (or the room where PowerTag is assigned) and then tap **Advanced settings**.

## Output type: contactor

A contactor is an electrically-controlled switch used for switching a power circuit. It is commonly used to control electric motors, lighting, heating, capacitor banks, thermal evaporators, pumps, hot water systems, and other electrical loads. Contactor are typically used in applications where frequent make-and-break operations are required. They are designed to handle higher current and voltage levels compared to regular relays.

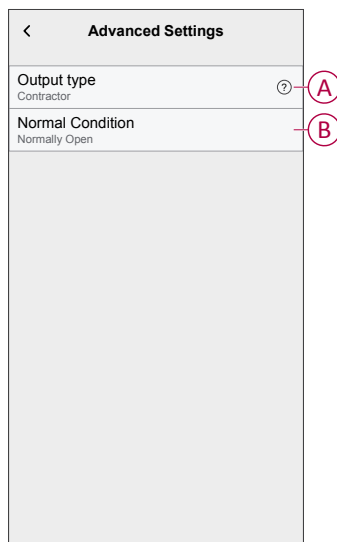
In advanced settings you can view the following option:

A. **Output type as Contactor.**

B. **Normal Condition :**

– **Normally Open:** the contacts are opened when the coil is not energized, and they close when the coil is energized.

– **Normally Close:** the contacts are closed when the coil is not energized, and they open when the coil is energized.



## Output type: impulse relay

An impulse relay is a type of relay that is designed to switch when an electrical pulse is applied to its coil. It is commonly used in applications where a momentary electrical signal is used to control a circuit. Impulse relays are often used in scenarios such as doorbell systems, control circuits, or any application where a temporary electrical signal needs to trigger a specific action.

In advanced settings you can view the following option:

A. **Output type as Impulse Relay**

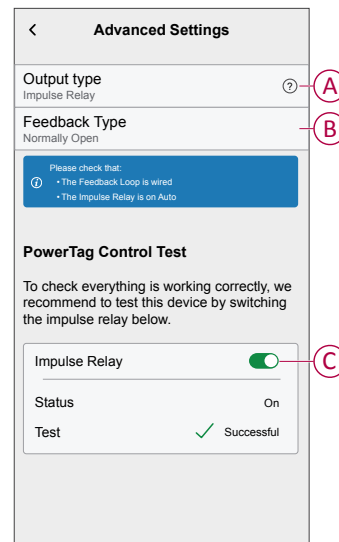
B. **Feedback Type:**

– **Normally Open:** the relay contacts are opened in their resting state. When the relay is energized, these contacts close to indicate the active state.

– **Normally Close:** the relay contacts are closed in their resting state. When the relay is energized, these contacts open to indicate the active state.

C. Test the impulse relay feedback to check everything is working correctly by turning on the toggle switch for Impulse Relay and wait for few seconds (20 s) for the test to complete.

The App shows the progress of the test.



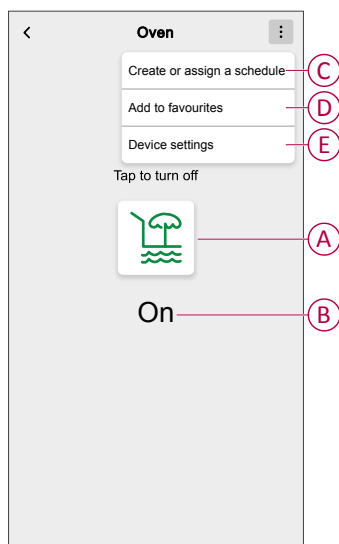
**NOTE:** If the impulse test is not successful refer installation instruction for wiring connection and retry.

## Using the device

The Control Panel allows you to switch the device On and Off and control various settings.

On the **Control** tab, tap **ALL** device or a room tab where the Plug is located, an icon to open Device Control Screen.

On the Device Control Screen, you can see the following:



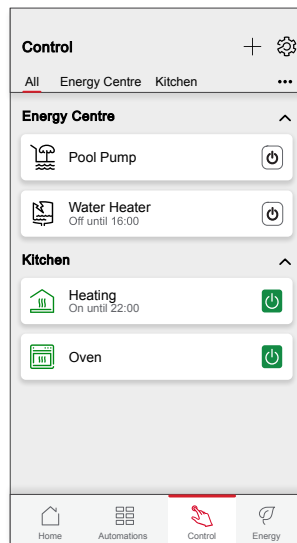
|          |                                                                                                                                                                                                        |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b> | Switch to turn on/off the device.                                                                                                                                                                      |
| <b>B</b> | Current state of the device.                                                                                                                                                                           |
| <b>C</b> | Create or assign a schedule, page 24                                                                                                                                                                   |
| <b>D</b> | Tap to add the device to the <b>Favourite devices</b> section on the <b>Home</b> screen. To know more about <b>Favourite</b> , refer to <b>Managing Favourites</b> in the respective System User Guide |
| <b>E</b> | Device settings, page 18 to change the configuration.                                                                                                                                                  |

**NOTE:** If you only have single PowerTag in the Wiser System, the **Control** tab will not be visible. All functions will be accessible through the **Home** screen.

## Switching On/Off the device using app

Using the Wiser Home app, you can switch on/off the device.

On the **Control** tab, tap the power button to switch on/off the respective device



Alternatively, you can navigate to the control panel of the device and tap label to switch on/off the device.

**NOTE:**

- The control panel shows the current state of the device.
- If you only have single PowerTag in the Wiser System, the **Control** tab will not be visible. All functions will be accessible through the **Home** screen.

TIP: You can also turn the device ON/OFF when you add it to your **Favourites**.

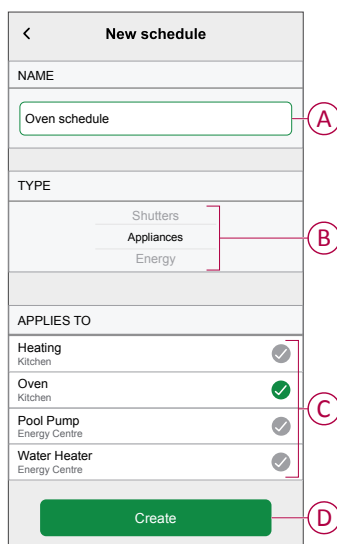
## Schedule

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

### Setting up a schedule

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

1. On the **Home** screen, tap **Automations** .
2. Go to **Schedules** and tap  to create a schedule.
3. Enter the name of the schedule (A).
4. In the **TYPE** menu, select **Appliances** (B).
5. In the **APPLIES TO** menu, select an appliances from the list (C) which is connected to PowerTag.
6. Tap **Create** (D) to setup events.



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

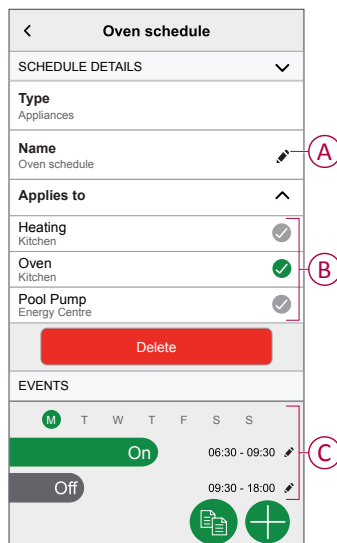
**TIP:**

- 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

You can edit an existing schedule according to you preference.

1. On the **Home** screen, tap **Automations** .
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** (On/Off) and **WHEN** (specific time range).



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

## 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

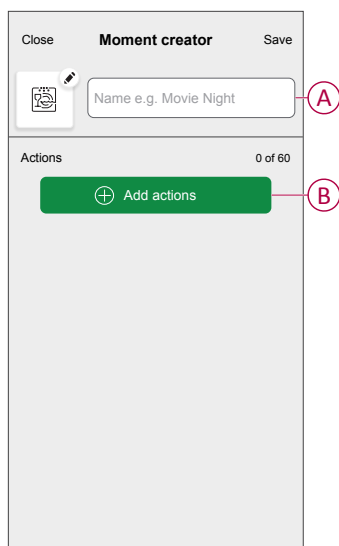
Moment allows you to group multiple actions that are usually performed together. By using the Wisier Home app, you can create moments based on your needs.

### Creating a moment

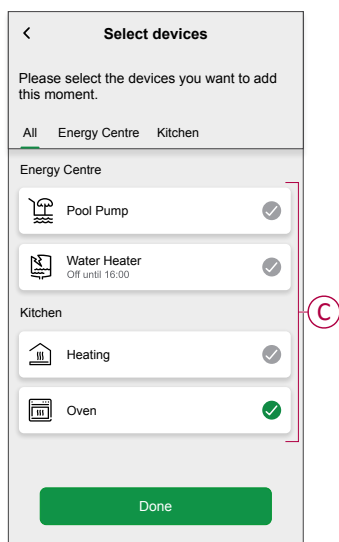
1. On the **Home** screen, tap **Automations** .
2. Go to **Moments** and tap  to create a moment.
3. Enter the name of the moment (A).

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

4. Tap **Add actions** (B) to select the list of devices.

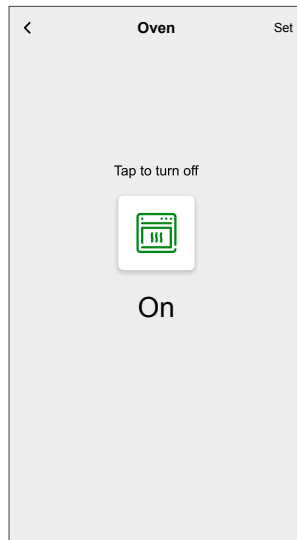


5. In the **Add actions** menu, you can select the devices (C).



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

7. On the **Moment creator** page, tap on the device to set the preferred action (to turn on/off) and then tap **Set** on the upper right corner.



8. After setting all actions, tap **Save**.

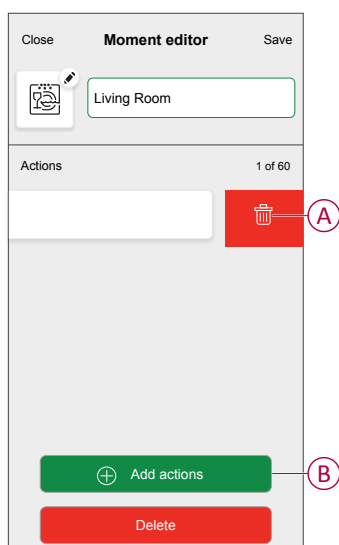
Once the moment is saved, it will appear on the **Moments** tab. Tap on the moment to enable it.

**TIP:**

- If you want to see the created moments on the **Home** screen, go to **Home** >  > **Home Screen** > **Moments**. Enable the toggle button to view moments on the **Home** screen.
- 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

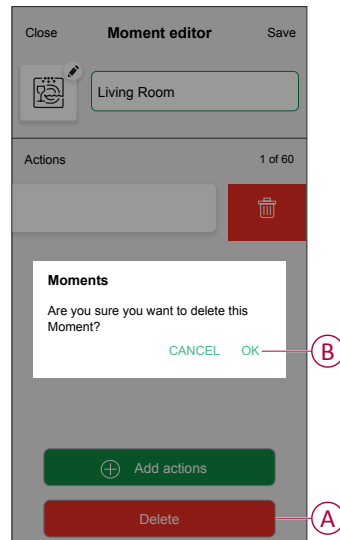
1. On the **Home** screen, tap **Automations** .
2. Go to **Moments**, locate the moment you want to edit and tap .
3. On the **Moment editor** screen, you can perform following changes:
  - Change the icon .
  - Rename the moment.
  - Tap each action to change the settings.
  - To remove an action,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



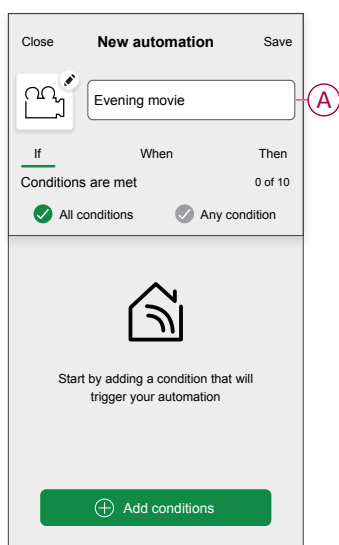
## Automation

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 **Automations** .
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.

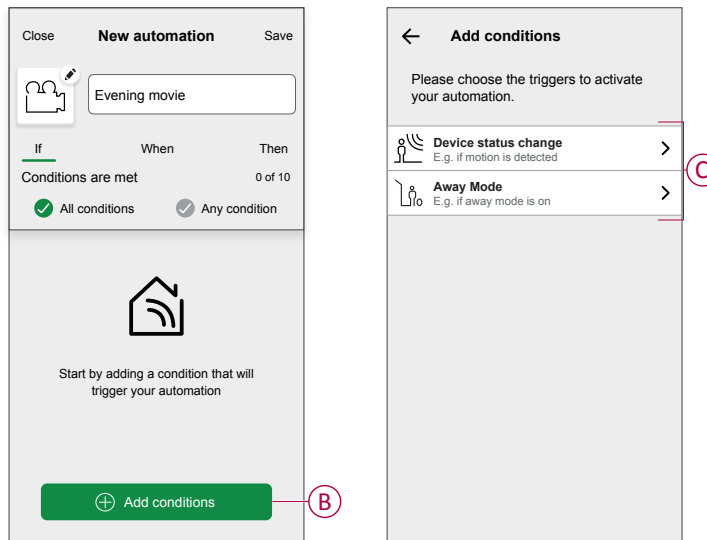
**TIP:** You can choose the cover image that represents your automation by tapping .



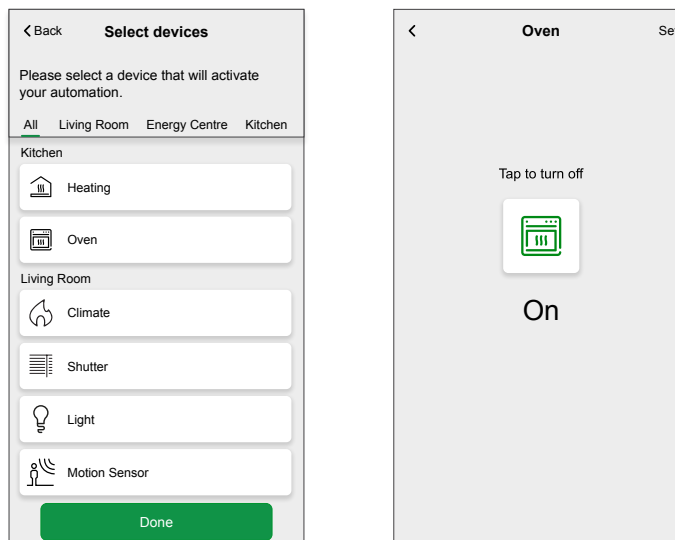
4. Tap **Add conditions** (B) and select any of the following (C):

- **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): The Away Mode is intended to set your Home to a practical state for longer absences, such as leaving for the weekend.

**NOTE:** Maximum 10 conditions can be added.



5. Select a device to set the condition. Then, choose the state of the device that will trigger the automation, such as the On/Off state.



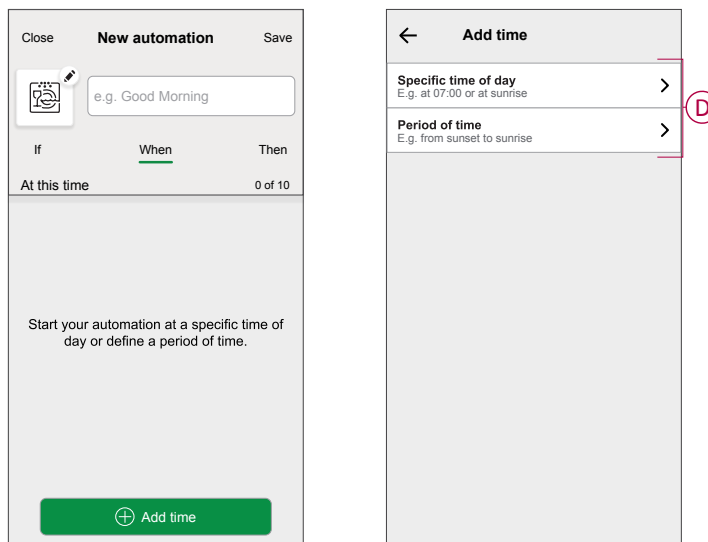
6. Tap **Set** on the upper right corner.

**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.

7. 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.

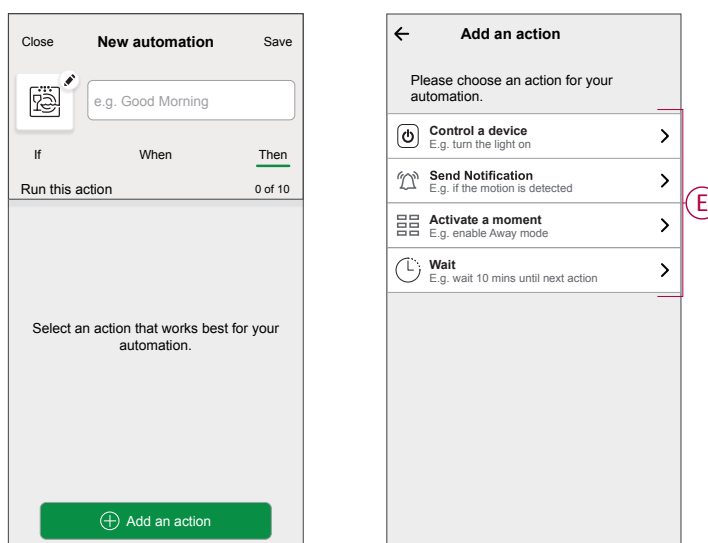
- **Specific time of day:** The automation will trigger at a specific time of the day, such as at sunrise, sunset, or at 8:00 AM.
- **Period of time:** The automation will be trigger during time periods such as from sunrise to sunset, from sunset to sunrise, or from 8:00 AM to 5:00 PM.



8. 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.
- **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.



9. Tap **Control a device** and select the required device to preform the action tap **Set** located on the upper right corner.
10. After setting all condition and action, tap **Save**.

The saved automation is displayed on the **Automation** page. Tap the toggle switch on the automation to enable/disable it.

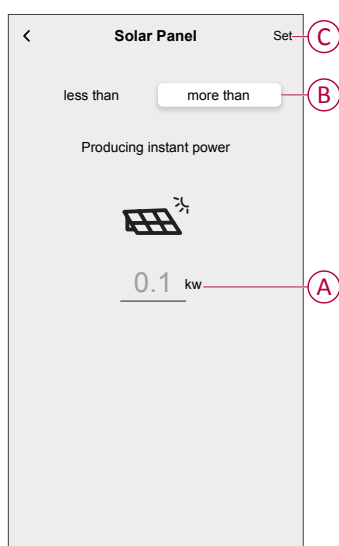
## Example of an automation

This demonstration shows you how to create an automation to controlling a hot water system when solar production is greater than 2 kW.

**TIP:** It is mandatory to create two automations. First, turn on the hot water system when the solar production is greater than 2 kW. Second, turn off the hot water system when the solar production is less.

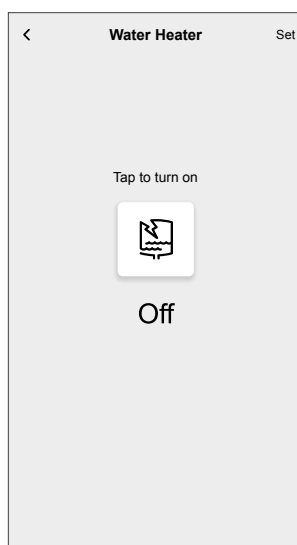
**The hot water system will not turn off automatically until you create another automation.**

1. Go to **Automation** >  to create an automation.
2. To add a condition, tap **Add Condition** > **Device status change** > **Solar Panel**.
3. Set the production power to 2 kW (A) and the condition as **more than** (B) and then tap **Set** (C).



4. Read the information and tap **OK**.
5. To add an action, tap **Then** > **Add an action** > **Control a device** > **Heating**. Set device state as **On** and then tap **Set** located on the upper right corner.

**NOTE:** By default, the state is set to Off.



6. Enter the name of the automation.

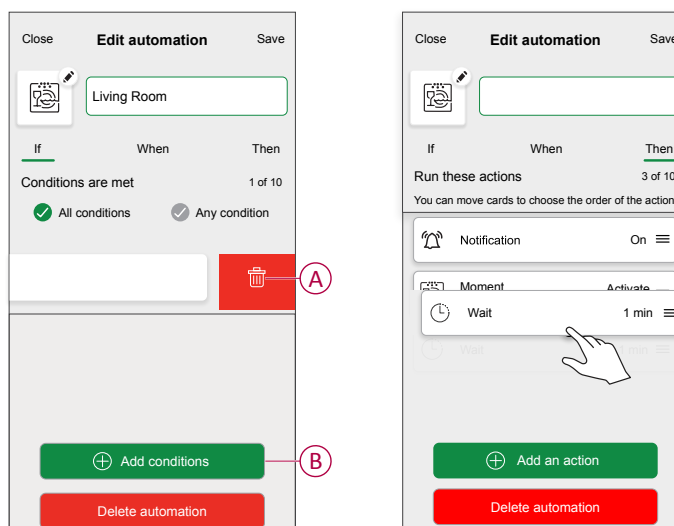
**TIP:** You can choose the cover image that represents your automation by tapping .

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

**NOTE:** You can enable or disable saved automations on the **Automations** tab by using .

## Editing an automation

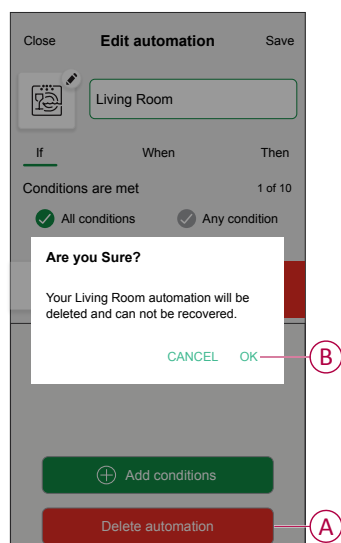
1. On the **Home** screen, tap **Automations** .
2. Go to **Automation**, tap the automation you want to edit.
3. On the **Edit automation** screen, you can perform the following changes:
  - Change the icon .
  - Rename the automation.
  - Tap each condition to change the settings.
    - To remove a 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** screen, tap **Automations** .
2. Go to **Automation**, tap the automation you want to delete.
3. On the **Edit automation** screen, tap **Delete automation** (A) and read the confirmation message and then tap **OK** (B).



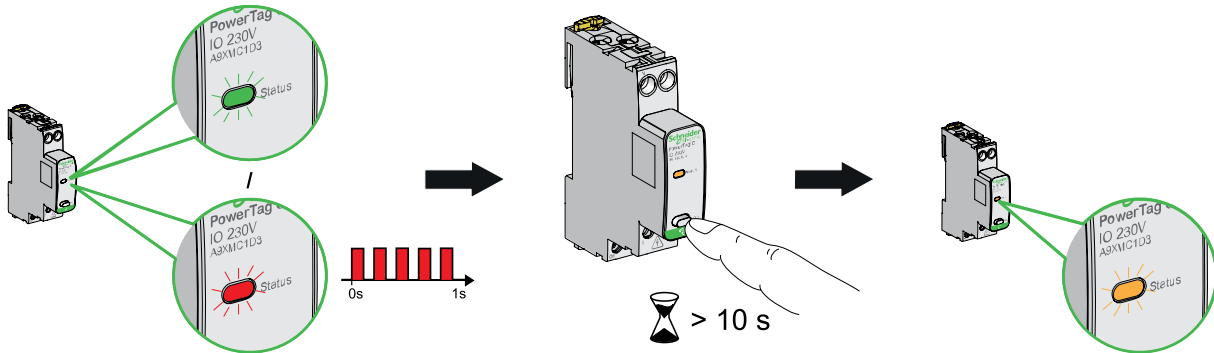
## Resetting pairing mode

If the PowerTag loses connection with the Hub, you can re-enter pairing mode to commission it to the Wiser system.

1. When the PowerTag Control LED blinks red, it indicates a loss of communication between the Wiser Hub and the PowerTag Control, wait for 4 min until the LED blinks red several times a second.

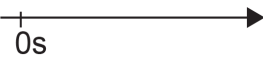
**NOTE:** If an occasional loss of communication is observed, the LED blink red 1 time.

2. Then press the PowerTag setup button for > 10 s to reset the device.



After reset, the status LED blinks amber. PowerTag enters pairing mode.

## LED patterns

| Behavior                                                                            | Communication indicator light                              |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|
|    | PowerTag switched off.                                     |
|    | PowerTag is searching for a Hub in pairing mode.           |
|    | PowerTag is in identification mode.                        |
|    | PowerTag is in network. Normal communication with the Hub. |
|    | Occasional loss of communication.                          |
|  | Loss of communication with the Hub.                        |
|  | Internal error detected.                                   |
|  | Firmware upgrade in progress.                              |

## Troubleshooting

| Symptom                                                                                                           | Possible cause                                                                                                                                                                         | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  displayed in the Wiser Home app | Device Error                                                                                                                                                                           | Try reinstalling the device. If the error persists, replace the device.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PowerTag data is not available in home screen.                                                                    | <ul style="list-style-type: none"> <li>Device is offline.</li> <li>System/Hub is unable to receive data from the PowerTag.</li> <li>Wi-Fi® connection is incorrect for Hub.</li> </ul> | Restart the device. Also, ensure to correct the Wi-Fi® connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| The LED of PowerTag is blinking amber.                                                                            | PowerTag not yet commissioned to the hub for the first time.                                                                                                                           | Commission the PowerTag to the hub. Refer to Pairing the device.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                   | PowerTag is out of range from Hub.                                                                                                                                                     | Perform any of the methods: <ul style="list-style-type: none"> <li>Reduce the distance between the hub and the device.</li> <li>Power OFF any other Hub in the area which have wireless devices.               <ul style="list-style-type: none"> <li>Remove the device from the hub via the app.</li> <li>Do a power cycle by switching OFF and ON the Hub and the circuit breaker on which the PowerTag is installed.</li> <li>Ensure the PowerTag is blinking amber and then pair the device to Hub via app.</li> </ul> </li> </ul>                                                                                                  |
| The LED of PowerTag blinks red rapidly.                                                                           | PowerTag is out of range from Hub.                                                                                                                                                     | Perform any of the methods: <ul style="list-style-type: none"> <li>Reduce the distance between the hub and the device.</li> <li>Power OFF any other Hub in the area which have wireless devices.               <ul style="list-style-type: none"> <li>Remove the device from the hub via the app.</li> <li>Do a power cycle by switching OFF and ON the Hub and the circuit breaker on which the PowerTag is installed.</li> <li>Ensure the PowerTag is blinking amber and then pair the device to Hub via app.</li> </ul> </li> </ul> <p><b>NOTE:</b> If the LED still blinks red, replace with a new device and try adding again.</p> |
|                                                                                                                   | Hub is powered down                                                                                                                                                                    | Power ON the Hub.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| The LED of PowerTag is glowing red permanently.                                                                   | The device is not working permanently.                                                                                                                                                 | Replace with a new device and try adding again.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| The LED of PowerTag is OFF                                                                                        | PowerTag is probably not powered ON.                                                                                                                                                   | Recheck the wiring and power connection of the PowerTag and see if gets powered ON. Try adding the device after it is powered ON.<br><br>If the above mentioned method do not work, replace the PowerTag and retry.                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Technical data

### Main characteristics

|                                             |            |                    |
|---------------------------------------------|------------|--------------------|
| Power supply                                |            | 230 V AC $\pm$ 20% |
| Frequency                                   |            | 50/60 Hz           |
| Maximum consumption                         | IO         | $\leq$ 2 VA        |
|                                             | 2DI        | $\leq$ 3 VA        |
| Operating temperature                       |            | -25° C to +60° C   |
| Storage temperature                         |            | -40° C to +85° C   |
| Relative humidity (60068-2-78)              |            | 93 % at 40° C      |
| Overvoltage category                        |            | Cat. III           |
| Altitude                                    |            | $\geq$ 2000 m      |
| Pollution degree                            |            | 3                  |
| Degree of protection according to IEC 60529 | Front face | IP40               |
|                                             | Casing     | IP20               |
|                                             | IK         | 05                 |

### Characteristics of inputs and outputs

|                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| <b>Digital input</b>                            |                                            |
| Type                                            | 230 V AC, dry contact                      |
| <b>Digital output</b>                           |                                            |
| Type                                            | 230 V AC, dry contact                      |
| Relay type                                      | Normally open or normally closed           |
| Applicable voltage on output                    | 230 V AC $\pm$ 20%                         |
| Minimum/maximum current on output               | 10 mA / 2 A                                |
| Type of output order                            | Pulse or latch                             |
| Pulse length in control mode with impulse relay | Nominal: 300 ms (tolerance -0 ms, +300 ms) |

### Radio-frequency communication

|                                            |                                                                                                |
|--------------------------------------------|------------------------------------------------------------------------------------------------|
| ISM band 2.4 GHz                           | 2.4 GHz to 2.4835 GHz                                                                          |
| Channels As per IEEE 802.15.4              | 11 to 26                                                                                       |
| Isotropic Radiated Power Equivalent (EIRP) | 0 dBm                                                                                          |
| Max. RF power transmitted                  | $\leq$ 10 mW                                                                                   |
| Channel occupancy                          | <ul style="list-style-type: none"> <li>On event</li> <li>Periodically (5 s nominal)</li> </ul> |



Schneider Electric  
35 rue Joseph Monier  
92500 Rueil Malmaison  
France

+ 33 (0) 1 41 29 70 00

[elko.no/contact](mailto:elko.no/contact)  
[www.se.com](http://www.se.com)

As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

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DUG\_PowerTag Control\_ELKO\_WH-00