

PowerTag Energy

Device User Guide

Information about features and functionality of the devices

02/2024

IMPORTANT: Select your system to access the right user guide

If you have
Wiser Gateway
(CCT501901) and
Wiser app, continue
reading this
device user guide.


Wiser by SE System



Wiser app



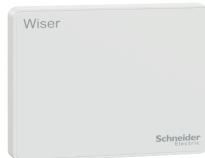
CCT501901
Wiser Gateway

If you have
Wiser Hub/HubR
2nd Generation
(CCT501801 or
CCTFR6311G2) and
Wiser Home app, then
click here 

Wiser Home System



Wiser Home app



CCT501801
Wiser Hub
2nd Generation



CCTFR6311G2
Wiser HubR
2nd Generation

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The information provided in this document contains general descriptions, technical characteristics and/or recommendations related to products/solutions.

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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.



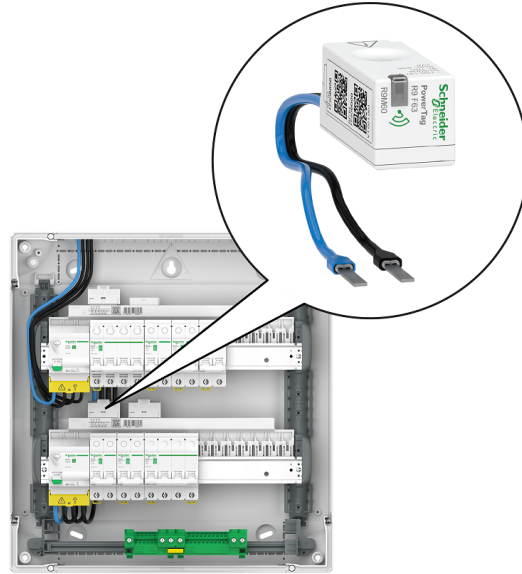
The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



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.

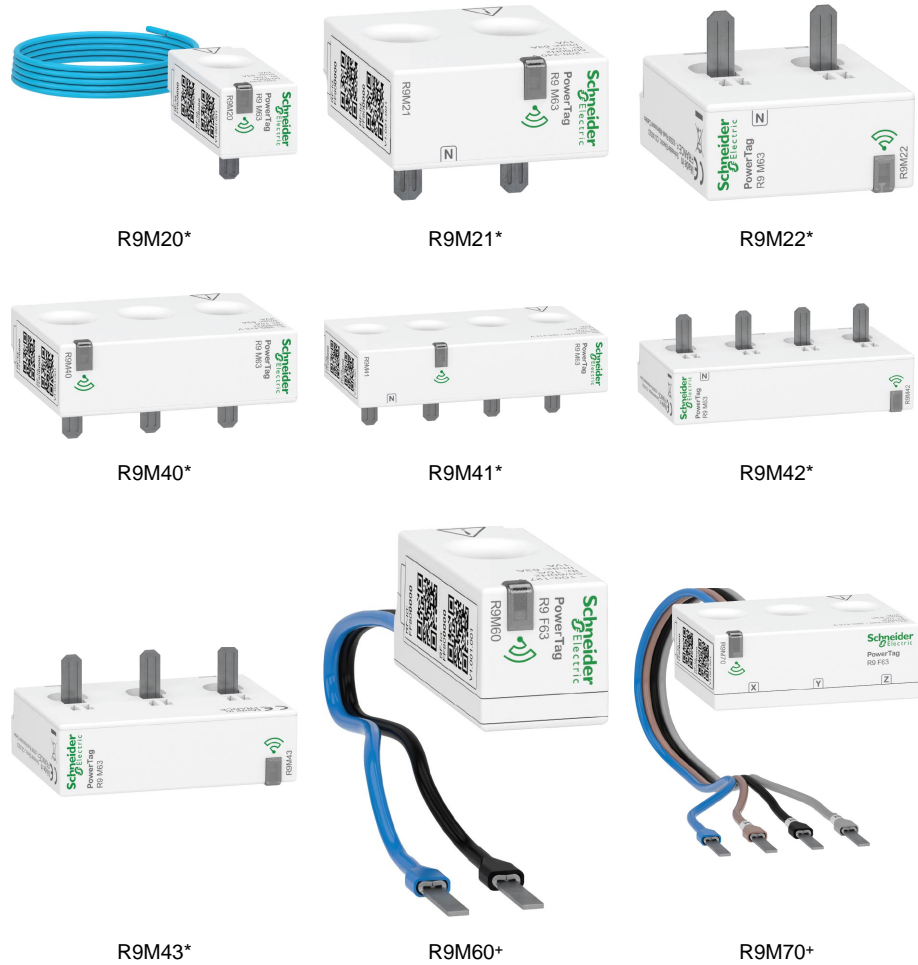
⚡⚠ DANGER
DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury. Failure to follow these instructions will result in death or serious injury.
⚠ WARNING
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ 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.

PowerTag Energy



For country specific commercial references, see the commercial reference topic below.

Commercial references



* Monoconnect series
+ Flex series

You can find the country wise commercial references in the below table.

Sweden	Finland	Spain and Portugal
<ul style="list-style-type: none"> • R9M20 • R9M40 • R9M60 • R9M70 	<ul style="list-style-type: none"> • R9M20 • R9M40 • R9M41 • R9M42 • R9M60 • R9M70 	<ul style="list-style-type: none"> • R9M20 • R9M21 • R9M22 • R9M41 • R9M60 • R9M70

For your safety

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by qualified electrical personnel. Qualified electrical personnel must prove profound knowledge in the following areas:

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

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

About the device

PowerTag E (hereinafter referred as PowerTag) is a compact, robust, and easy-to-install wireless communication energy sensor. It is used together with the **Gateway/Hub** to collect information from every equipped circuit to identify the energy consumption of each connected load. It is designed specifically to manage energy consumption for new and existing residential installations. It monitors and measures energy and power in real-time, and also provides complete visibility of power transfer between power source and loads.

Features of PowerTag:

- Easily mounted with top or bottom position directly on circuit breaker.
- Measures energy consumption and real-time power.
- Sends real-time notifications and alarms to the Wiser app in case of consumption limit set by user in automation exceeds.

Benefits of PowerTag:

- Easy accessibility and fastest installation.
- Energy Class 1: accurate measurement.
- Compact and cost effective.

Installing the device

It is recommended to place the **Gateway/Hub** within 3 meters where PowerTag is installed for best results. This provides good network signal strength and helps to prevent online/offline issues, which might result in corrupt data. Refer to the installation instruction supplied with this product.

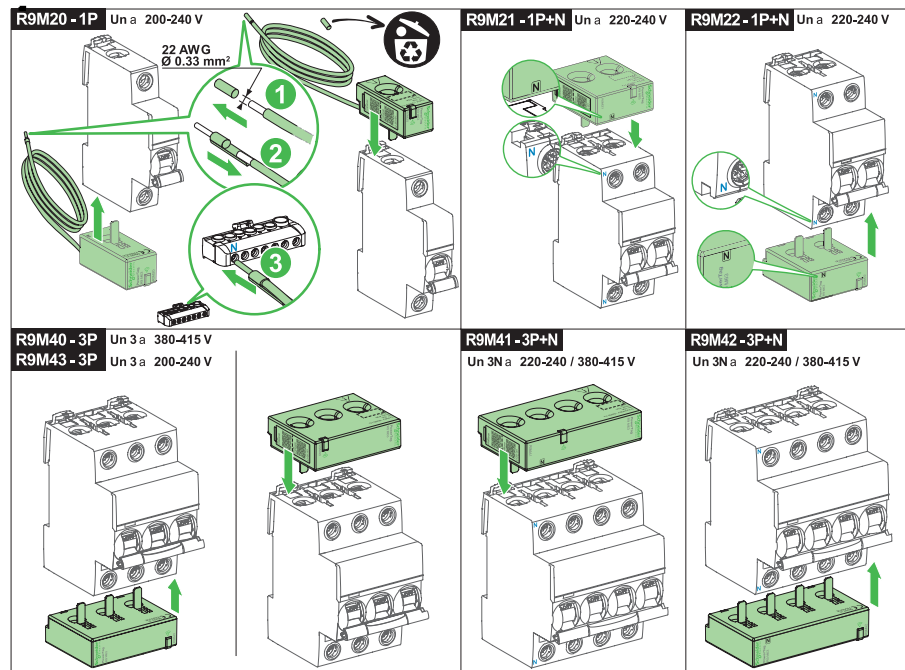
Instruction manual links:

- [PowerTag Resi9 M63](#)
- [PowerTag Resi9 F63](#)

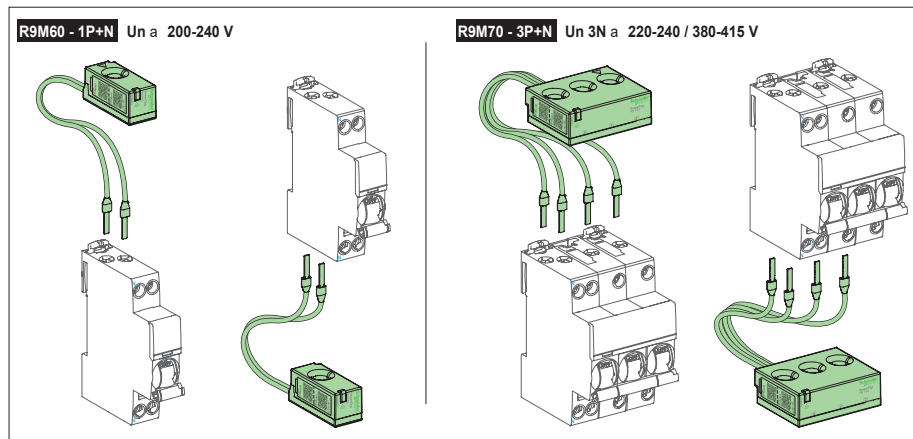
Supported mounting positions

Mounting position	PowerTag Energy	Model number
Primary models		
Top or Bottom	PowerTag Energy R9 M63 3P	R9M40
Top or Bottom	PowerTag Energy R9 F63 1PN	R9M60
Top or Bottom	PowerTag Energy R9 F63 3PN	R9M70
Other models		
Top or Bottom	PowerTag Energy R9 M63 1PW	R9M20
Top	PowerTag Energy R9 M63 1PN	R9M21
Bottom	PowerTag Energy R9 M63 1PN	R9M22
Top	PowerTag Energy R9 M63 3PN	R9M41
Bottom	PowerTag Energy R9 M63 3PN	R9M42
Top or Bottom	PowerTag Energy R9 M63 3P 230V LL	R9M43

Monoconnect series



Flex series



Pairing the device

Pair your PowerTag with the **Gateway/Hub** to access and control the PowerTag using the Wiser app.

- We recommend to configure your main PowerTag as **Grid** on the main incomer of the house. This helps to record the overall consumption.

NOTE:

- **Grid:** main supply (referred as **Grid** in the app) of the house.
- **Load:** power consumed from the Grid or a production source by electrical devices such as light, water heater, and fridge.
- If you have more than one PowerTag installed, it is recommended to pair the main PowerTag first and set it as Grid.


NOTE:

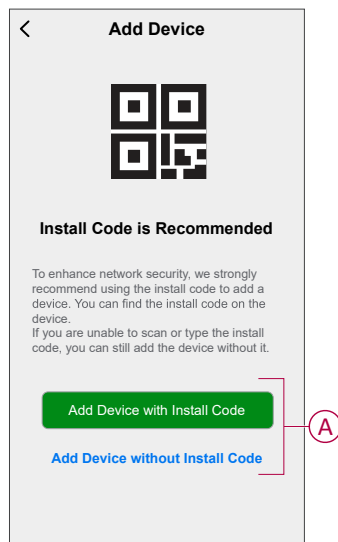
- Main PowerTag is connected to the Grid.
- Additional PowerTag are connected to the loads.

IMPORTANT: PowerTag must be installed by qualified professional.

Pairing device manually

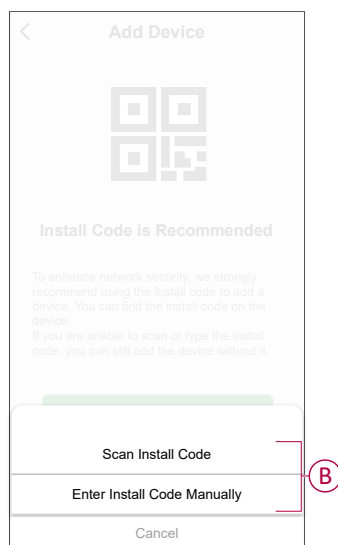
To pair the device manually:

1. On the **Home** page, tap **+**.
2. Tap , select the required **Wiser Hub** on the slide-up menu.
3. Select an option to add the device (A):
 - **Add Device with Install Code**
 - **Add Device without Install Code**



TIP: It is recommended to add the device with install code.

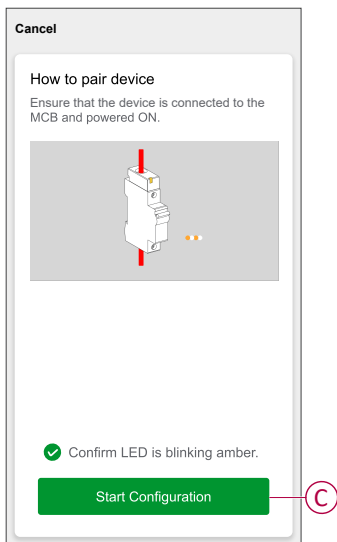
4. To pair the device with install code, tap **Add Device with Install Code** to display the slide-up menu. Select any one of the options (B):
 - **Scan Install Code:** you can scan the device for the install code. Position your camera to scan the QR code or barcode available on the PowerTag.
 - **Enter Install Code Manually:** you can manually enter the install code on the device.



After adding the device with Install Code, proceed to **Step 6**.

5. To pair the device without install code, tap **Add Device without Install Code**.

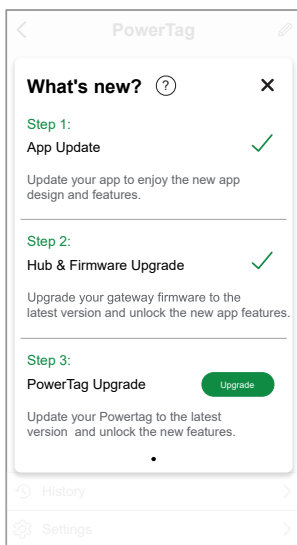
6. Select **Confirm LED is blinking amber** > **Start Configuration (C)**.



NOTE: PowerTag must be connected to the MCB and powered ON.

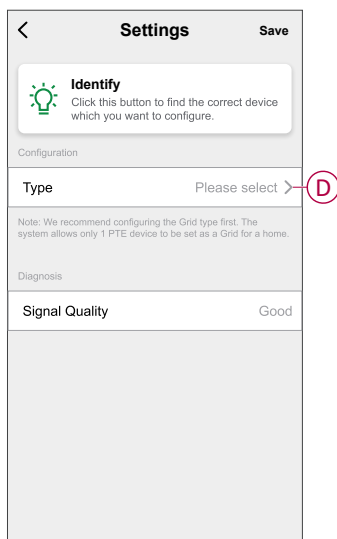
- 7. Wait for a few minutes for the app to connect with your PowerTag. Once PowerTag is added, tap **Done**.
- 8. On the configuration page, tap on the PowerTag to configure.
- 9. Tap **Upgrade**, to update to the latest version and unlock the respective features.

NOTE: By default, the first two steps will be completed for new users.



- 10. Once all upgrade steps are completed, you will get a pop-up notification. Tap **Confirm**, to open settings page.

11. On the settings page, tap (D) to select the type.

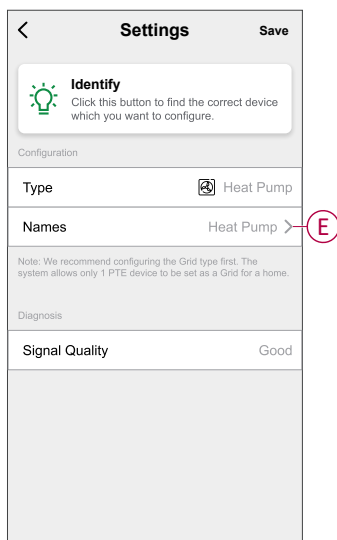


12. Select the type from the list based on the usage and appliance, then tap **Confirm**.

IMPORTANT: It is mandatory to configure a PowerTag as **Grid** on the main in-comer of the house.

13. Tap **Name** (E), enter the name then tap **Save**.

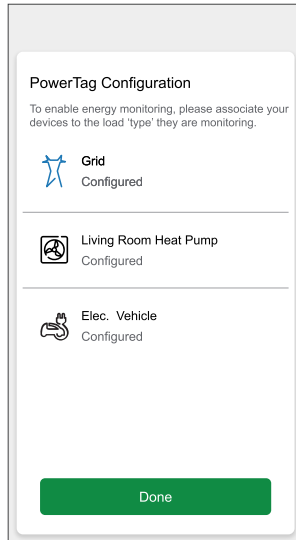
TIP: You cannot add the same name twice, and use the name Grid. By default name will be taken from the type selected.



14. On setting page, tap **Save > Confirm > OK**.on pop-up notification.

NOTE: Once you configure, you will not be able to change the load type you are monitoring.
To monitor another load type in the future, you have to remove and re-configure the PowerTag.

15. Once all PowerTag are configured, tap **Done**.



On successful pairing, PowerTag will appear on the home screen.

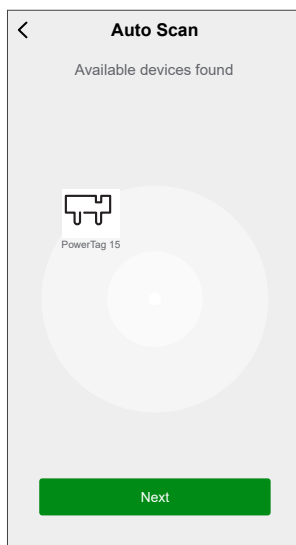
Pairing device with auto scan

Pairing the device with auto scan automatically discovers the device when the corresponding device is powered on.

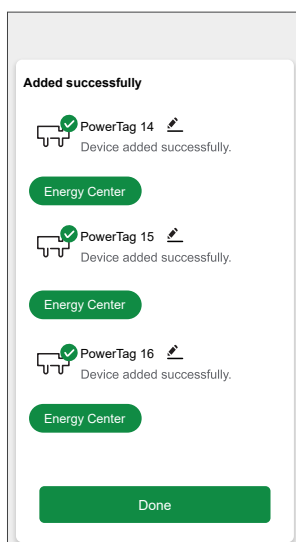
1. On the **Home** page, tap **+ > Auto scan > Confirm**.
2. Enable permissions to **Access location** and **Wi-Fi** for scanning device and tap **Start scanning**.


NOTE: If you have multiple hubs, do Step 3 or proceed to Step 4.

3. Tap **Select hub** and select the **Wiser Hub** from the slide-up menu. Wait for a few seconds until the device search is complete.
4. Tap **Next** and select **PowerTag**.



5. Tap **Done** for slide up menu.

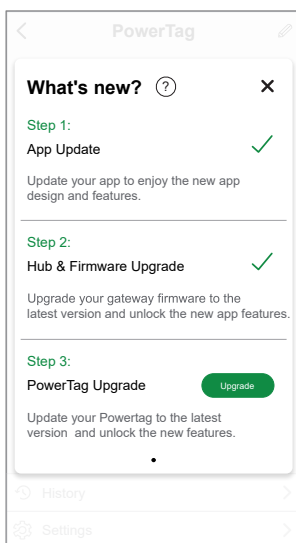


NOTE: Tap  to rename the PowerTag.

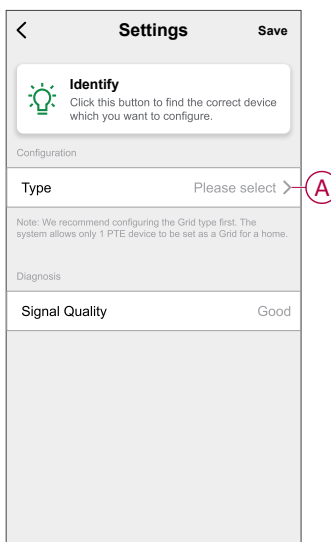
6. On the configuration page, select the PowerTag from the list to configure.

7. Tap **Upgrade**, to update to the latest version and unlock the respective features.

NOTE: By default, the first two steps will be completed for new users.



8. Once all upgrade steps are completed, you will get a pop-up notification. Tap **Confirm**, to open settings page.
9. On the settings page tap (A) to select the type.

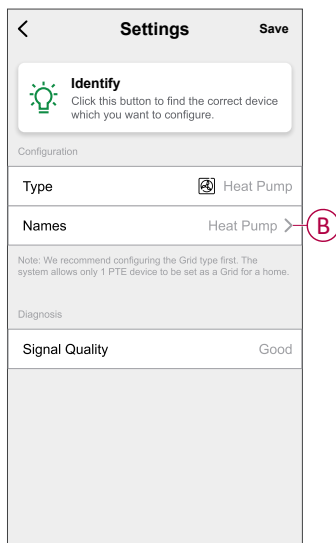


10. Select the type from the list based on the usage and appliance, then tap **Confirm**.

IMPORTANT: It is mandatory to configure a PowerTag as **Grid** on the main in-comer of the house.

11. Tap **Name (B)**, enter the name then tap **Save**.

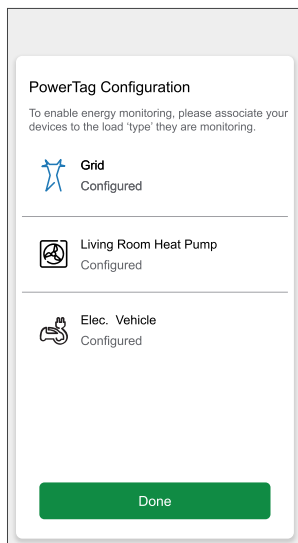
TIP: You cannot add the same name twice, and use the name Grid. By default name will be taken from the type selected.



12. On setting page, tap **Save > Confirm > OK**.on pop-up notification.

NOTE: Once you configure, you will not be able to change the load type you are monitoring. To monitor another load type in the future, you have to remove and re-configure the PowerTag.

13. Once all PowerTag are configured, tap **Done**.




On successful pairing, PowerTag will appear on the home screen.

Configuring the device

Tariff information

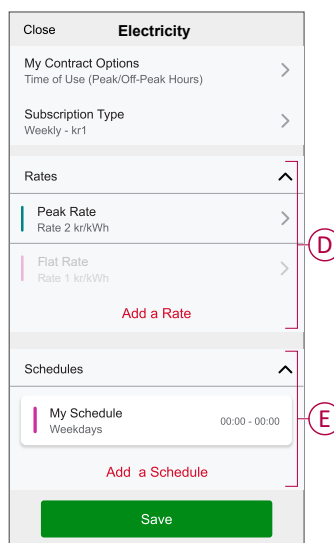
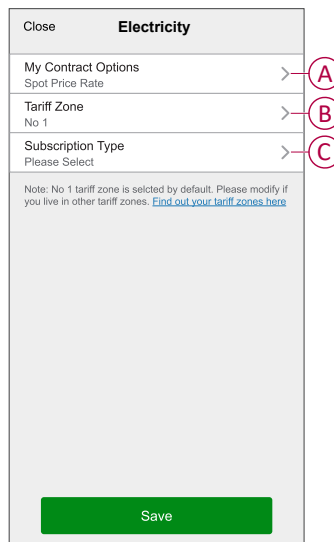
You can view and update tariff information in the Wiser app to access your energy cost and billing data.

To access tariff information:

1. Tap  on the home page.
2. Select **Home Management** and select your home where the energy device is installed, to view **Home Settings**.
3. On Home Settings page, select **Tariff > Electricity**.

You can view and update the following in electricity menu:

- A. Contract options, page 18
- B. Tariff Zone, page 19 (Only available for spot price rate contract option)
- C. Subscription type, page 19
- D. Rates, page 20 (Not available for spot price rate contract option)
- E. Schedules, page 20 (Only available for time of use contract option)



4. Once all the settings are updated, tap **Save**.

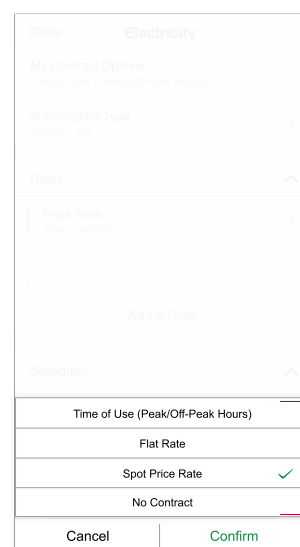
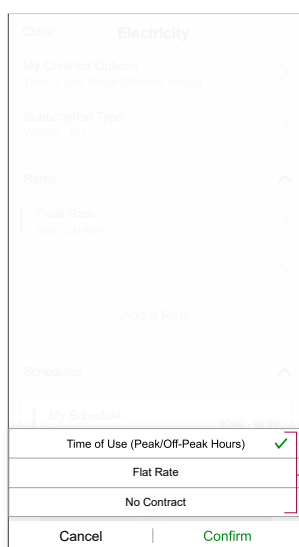
Setting contract options

You can update flat and peak rate based on your contract option in the Wiser app.

1. Tap **My Contract Options** on Electricity page.
2. In the slide-up menu, select any one of the following (A):
 - **Time of Use (Peak/Off-Peak Hours)**: rate set to a specific period of time at which consumption is at its highest. It is the amount you pay for each unit of electricity consumed for the time period set.
 - **Flat Rate**: fixed rate for the entire time period of electricity consumption.
 - **Spot Price Rate**: standard hourly rate of electricity consumption as per tariff zone (for Sweden & Finland).
 - **No Contract**: electricity rate is not set, no information related to bill will be shown in the app.

Country without Spotprice (Spain & Portugal)

Country with Spotprice (Sweden & Finland)



NOTE: By default, **No Contract** option is set.

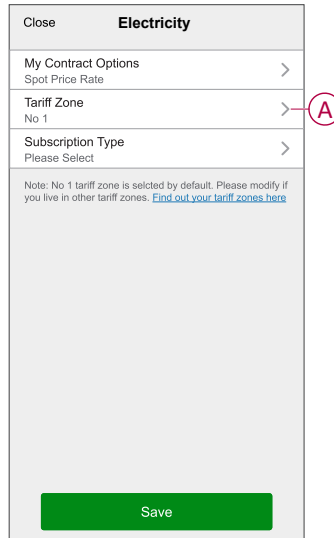
3. After selecting an option, tap **Confirm**.

Tariff Zone

Once you select the spot price rate contract option, tariff zone option will be available.

To select the tariff zone:

1. On Electricity page, tap **Tariff Zone** (A).
2. Select the zone based on your home location and tap **Confirm**.

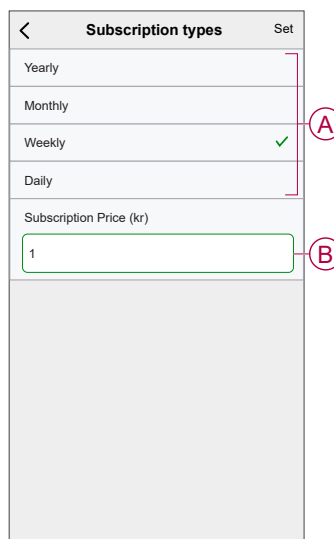


NOTE: No 1 tariff zone is selected by default. Please modify if you live in other tariff zones. [Click here to find your tariff zone.](#)

Setting subscription type

Based on your electricity subscription, you can update subscription period and price in the Wisier app.

1. Tap **Subscription Type** on Electricity page.
2. Select the subscription period (A).
 - **Yearly**
 - **Monthly**
 - **Weekly**
 - **Daily**
3. Enter **Subscription Price** (B), then tap **Set**.



Tariff rate

You can add flat and peak rate value in the Wisier app.

Adding Flat Rate

When My Contract Options is set to Flat Rate:

1. In the Rates section, tap **Flat Rate**.
2. Enter the Rate and then tap **Set**.

Adding Time of Use (Peak /Off-Peak Hours)

When My Contract Options is set to Time of Use (Peak /Off-Peak Hours):

1. In the Rates section, tap **Peak Rate**.
2. Enter the Rate and then tap **Set**.

Adding Rate

1. Tap **Add Rate** on electricity page.
2. Enter name (A) and rate per kWh (B), then tap **Set**.

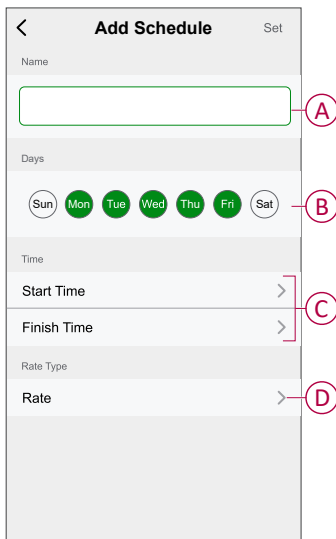
TIP: You can set the highest tariff rate as a peak rate and other tariff rates as an off-peak rate.

Adding schedule to tariff rate

You should add a scheduled time period for which a tariff rate will be active.

1. Tap **Add A Schedule** on electricity page.
2. Enter a schedule **Name** (A).
3. Select the number of **Days** (B).
4. Tap **Start Time** and **Finish Time** to set the time period (C).
5. Tap **Rate** (D) and select the type of rate (Flat or Peak rate).

6. Tap **Set** to save the schedule.




Checking currency type

You can view the currency type in the Wiser app.

NOTE: Default currency is set based on the home location.

To view currency type:

1. Tap  on the home page.
2. Select **Home Management** and select your home where the energy device is installed, to view **Home Settings**.
3. On Home Settings page, you can view the currency type.

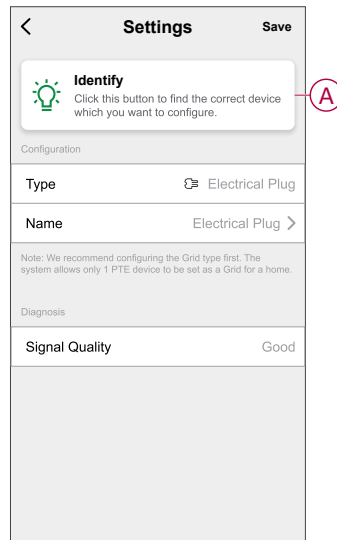
Following currency are available based on home location:

- **Kr NOK:** Norway
- **Kr SEK:** Sweden
- **Kr DKK:** Denmark
- **€ EUR:** Finland and Spain

Identifying the device

Using the Wiser app, you can identify the PowerTag.

1. On the **Home** page, select the desired equipment PowerTag from the list of available devices.
2. Tap **Settings** and then tap **Identify (A)**.



3. Tap **OK** on the pop-up notification panel when the PowerTag is identified.
NOTE: The green LED on the identified PowerTag blinks for 30 s.

Personalized Energy Insights

NOTE: Personalized Energy Insights is available only in Sweden & Finland.

Personalized Energy Insights is an energy management feature dedicated to monitor the way we use energy in our everyday life. This feature estimates energy consumption of a household purely based on data from their utility.

This makes it possible to follow the consumed energy over time and calculate a load/energy consumption and provides you with the following personalized energy insights:

- comparison of energy consumption with similar homes
- breakdown of energy consumption
- energy saving tips

Enabling Personalized Energy Insights

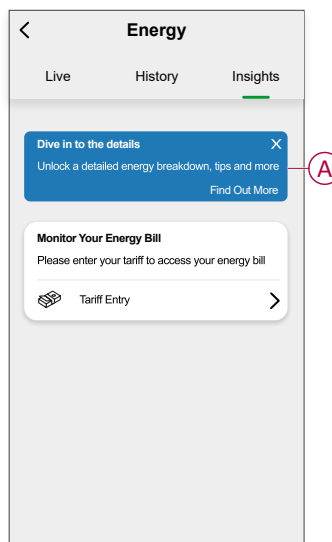
Using the Wiser app you can enable Personalized Energy Insights to monitor the energy breakdown, and comparison between similar homes and also view energy-saving tips.

NOTE: To enable Personalized Energy Insights you must meet the following conditions:

- User should be registered in the Europe data center.
- Users home location must be Sweden/Finland.
- One PowerTag should be configured as Grid (main incomer).

To enable Personalized Energy Insights:

1. On the **Home** page, tap **Energy Dashboard > Insights**, then tap **splash screen (A)**.




NOTE: Do not accidentally close the splash screen as it takes 3 weeks for this option to reappear, until that you cannot enable to Personalized Energy Insights.

2. Read the tutorial information and tap **Next** twice, then tap **Unlock Personalized Energy Insights**.
3. Read the privacy notice and tap **Activate** on each page.

NOTE: Accepting consent is optional.

- Once Personalized Energy Insights is successfully enabled, you will receive an in-app notification and then immediately you will be prompted to create a home profile. Refer [Creating home profile](#), page 24.

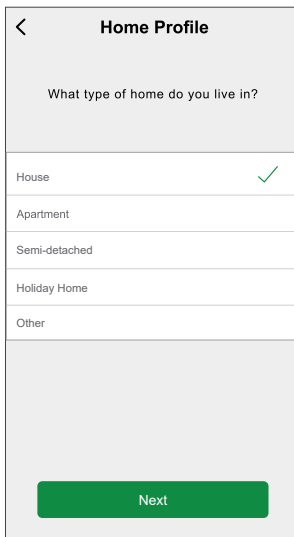
NOTE: You can also navigate through in-app notification which is received after enabling Personalized Energy Insights by tapping .

Creating/updating home profile

User must create a home profile to compare the energy consumption with similar home profiles and also to get the energy usage breakdown based on categories like heating, cooking, lighting, washing etc.

To create home profile:

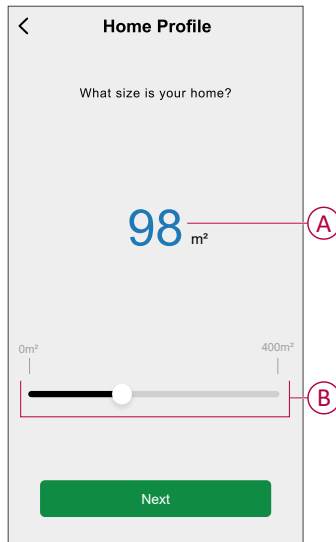
- On the **Home Profile** page tap **Continue**.
- Select the type of home and tap **Next**:
 - **House**
 - **Apartment**
 - **Semi-detached**
 - **Holiday Home**
 - **Other**



The screenshot shows a mobile application screen titled "Home Profile". At the top left is a back arrow, and at the top right is the title "Home Profile". Below the title is the question "What type of home do you live in?". There is a list of five options: "House", "Apartment", "Semi-detached", "Holiday Home", and "Other". The "House" option is selected, indicated by a green checkmark to its right. At the bottom of the screen is a green button labeled "Next".

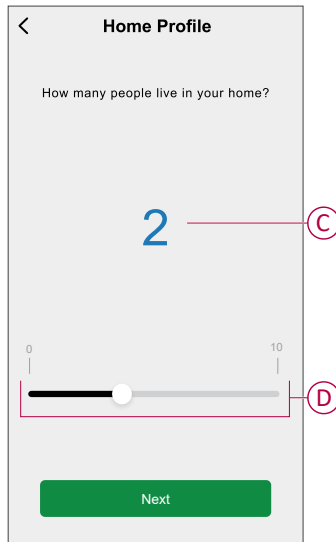
NOTE: Based on the type of home step 4 to step 12 may differ.

3. Set the size of your home either by tapping (A) or using the sliding bar (B).



NOTE: Maximum home size can be 400 sq m.

4. Set the number of people living in the home either by tapping (C) or using the sliding bar (D).



NOTE: Maximum 10 people can be added.

5. Select the main heating system and tap **Next**:

- **District Heating**
- **Radiators**
- **Air/Air Heat Pump**
- **Water Pan**
- **Rock Heat**
- **Exhaust Air Heat Pump**
- **Other/Unknown**

The screenshot shows a mobile app interface titled 'Home Profile'. At the top, there is a back arrow and the title. Below the title is the question 'What is your main heating system?'. A list of heating system options is displayed, each in a separate row. The 'Radiators' option is selected, indicated by a green checkmark to its right. At the bottom of the screen, there is a green button labeled 'Next'.

Home Profile	
What is your main heating system?	
District Heating	
Radiators	✓
Air/Air Heat Pump	
Water Pan	
Rock Heat	
Exhaust Air Heat Pump	
Other/Unknown	
Next	

6. Select the applicable secondary heating systems and tap **Next**:

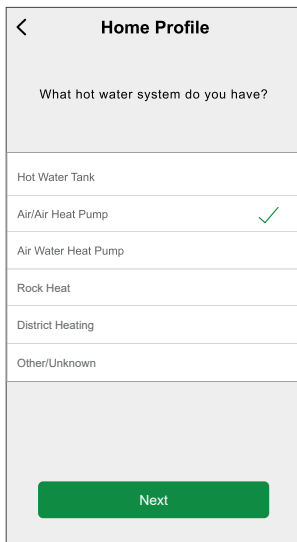
- **Radiators**
- **District Heating**
- **Air/Air Heat Pump**
- **Air Water Heat Pump**
- **Water Pan**
- **Rock Heat**
- **Exhaust Air Heat Pump**
- **Floor Heat**
- **Other / Unknown**

The screenshot shows a mobile app interface titled 'Home Profile'. At the top, there is a back arrow and the title. Below the title is the question 'What is your other heating system?'. A list of heating system options is displayed, each in a separate row. All options are selected, indicated by a grey checkmark to the right of each option. At the bottom of the screen, there is a green button labeled 'Next'.

Home Profile	
What is your other heating system?	
Radiators	✓
District Heating	✓
Air/Air Heat Pump	✓
Air Water Heat Pump	✓
Water Pan	✓
Rock Heat	✓
Exhaust Air Heat Pump	✓
Floor Heat	✓
Other/Unknown	✓
Next	

7. Select the type of hot water system and tap **Next**:

- **Hot Water Tank**
- **Air/Air Heat Pump**
- **Air Water Heat Pump**
- **Rock Heat**
- **District Heating**
- **Other / Unknown**

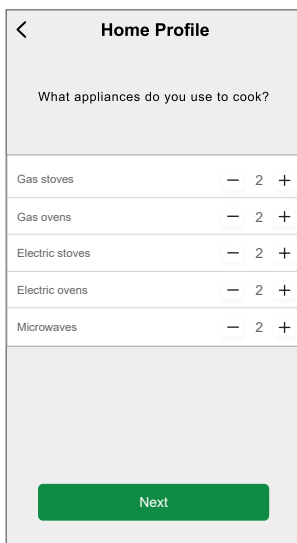


8. Select the appliances used to cook and tap **Next**:

- **Gas Stoves**
- **Gas Ovens**
- **Electric Stoves**
- **Electric Ovens**
- **Microwaves**

NOTE:

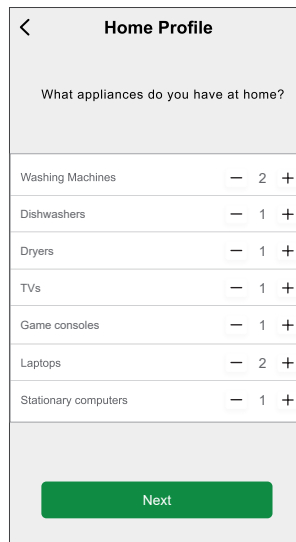
- By default it will be 0, use +/- to set the number.
- Maximum of 5 individual appliances can be added.



9. Select the appliances in your home and tap **Next**:

- **Washing Machines**
- **Dishwashers**
- **Dryers**
- **TVs**
- **Game Consoles**
- **Laptops**
- **Stationary Computers**

NOTE: Maximum 5 individual appliances can be added.



The screenshot shows a mobile application interface titled "Home Profile". At the top, there is a back arrow and the title "Home Profile". Below the title, the question "What appliances do you have at home?" is displayed. A list of appliances is shown with their respective counts and plus/minus buttons:

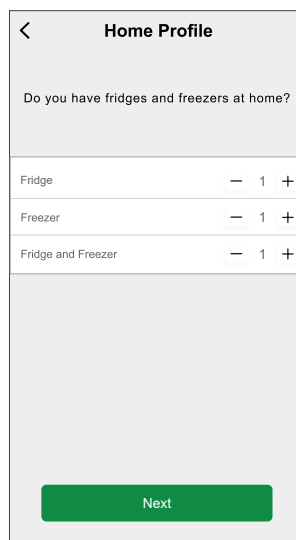
Washing Machines	- 2 +
Dishwashers	- 1 +
Dryers	- 1 +
TVs	- 1 +
Game consoles	- 1 +
Laptops	- 2 +
Stationary computers	- 1 +

At the bottom of the screen, there is a green button labeled "Next".

10. Select the fridges and freezers from the list:

- **Fridge**
- **Freezer**
- **Fridge and Freezer**

NOTE: Maximum 5 individual appliances can be added.

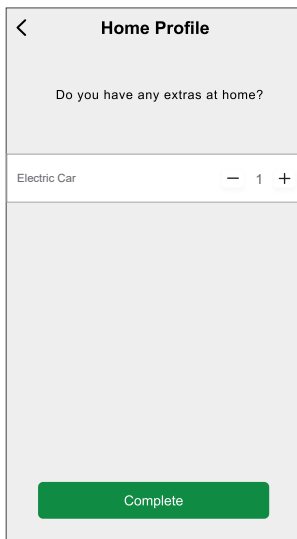


The screenshot shows a mobile application interface titled "Home Profile". At the top, there is a back arrow and the title "Home Profile". Below the title, the question "Do you have fridges and freezers at home?" is displayed. A list of refrigerator options is shown with their respective counts and plus/minus buttons:

Fridge	- 1 +
Freezer	- 1 +
Fridge and Freezer	- 1 +

At the bottom of the screen, there is a green button labeled "Next".



11. Select the number of Electric cars, tap **Complete** and then tap **Done**.



NOTE: To update the home profile, on the **Home** page, tap **Energy Dashboard > Insights > Update my home profile**, follow from step 2.

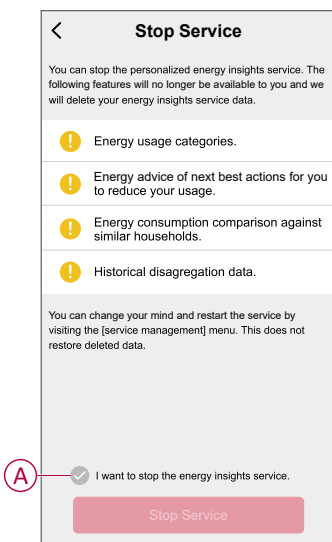
Disabling Personalized Energy Insights

To disable/stop Personalized Energy Insights services:

1. Tap  on the home page.
2. Select **More Services** >  and select the homes for which you want to disable Personalized Energy Insights service.

NOTE: You can select multiple homes at a time.

3. Read the information and tap  (A), then tap **Stop Service**.

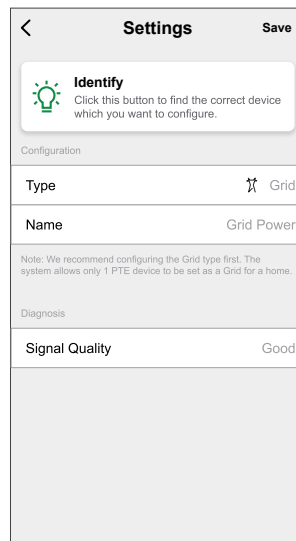


Using the device

Identifying the signal strength

The signal strength is an indicator of the wireless range that is received by the device.

1. On the **Home** page, select the **PowerTag** for which you want to check the signal strength.
2. Tap **Settings** to check the **Signal Quality** which represents the signal strength of the wireless signal that is received by the device.



Checking energy consumption

Using the Wiser app, you can monitor the live and history data of the PowerTag as well as statistical analysis and comparison of energy consumption with similar homes.

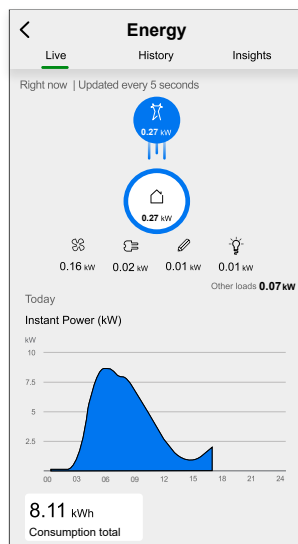
- **Live:** provides live data of the energy consumption.
- **History:** provides history of power consumed over the required duration (hours, days, months and years).
- **Insights:** provides annual bill for the tariff set, comparison of energy consumption with similar homes and information on energy savings.

Live

Using the Wiser app, you can view the live energy consumption. To view live data, on **Home** page, tap **Energy Dashboard > Live**.

Country without Spotprice (Spain & Portugal)

Country with Spotprice (Sweden & Finland)



NOTE:

- Tap **Show Live Price** to view live price.
- Drag on the graph to check the price for respective time period.

History

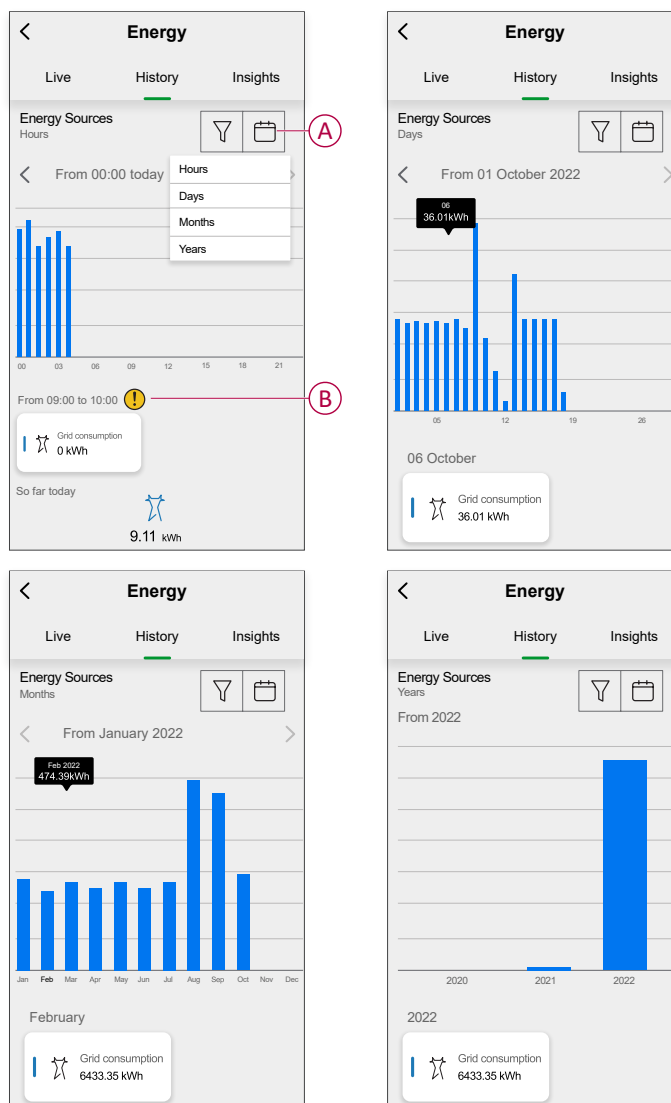
Using the Wisier app, you can monitor the energy consumption by accessing the history.

History of energy consumption:

To view the overall energy consumption.

1. On **Home** page, tap **Energy Dashboard > History**.
2. On the **History** page, select a required time frame (A):
 - **Hours:** to view the hourly consumption.
 - **Days:** to view the daily consumption.
 - **Months:** to view the monthly consumption.
 - **Years:** to view the yearly consumption.

NOTE: ⚠️ (B) indicates the missing data for a specific duration, when the PowerTag was offline/disconnected.



NOTE: Tap on the required hour/day/month/year in the bar graph to view the energy consumption.

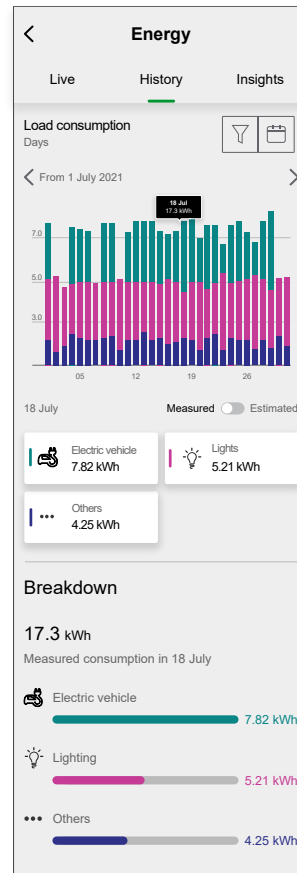
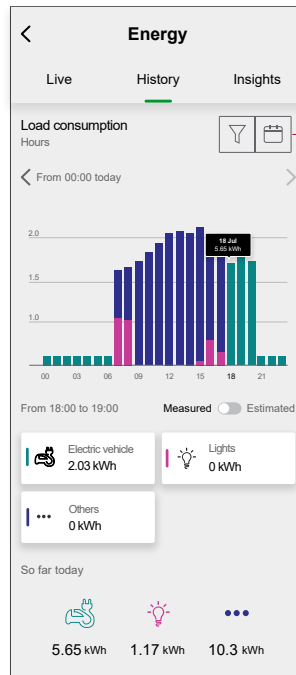
History of load consumption:

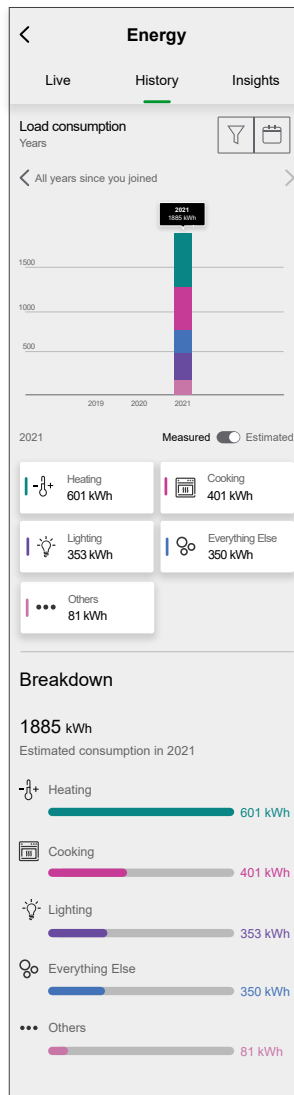
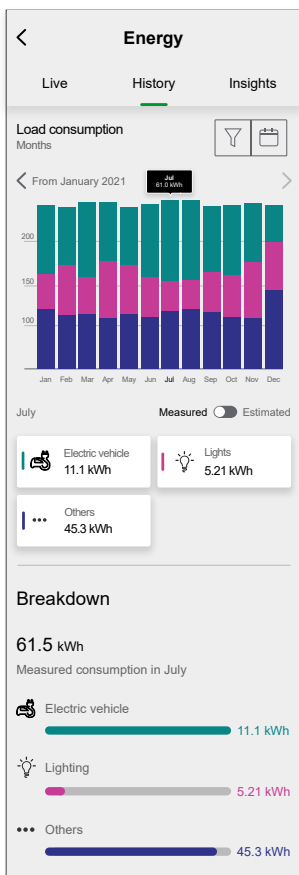
To view the breakdown of energy consumption based on loads.

NOTE: Users with multiple PowerTag configurations or who have enabled Personalized Energy Insights can view the history of load consumption.

1. On the **History** page, tap  and select **Load consumption**.

2. Tap (A) and select a required time frame:
- **Hours:** to view the hourly consumption.
 - **Days:** to view the daily consumption.
 - **Months:** to view the monthly consumption.
 - **Years:** to view the yearly consumption.





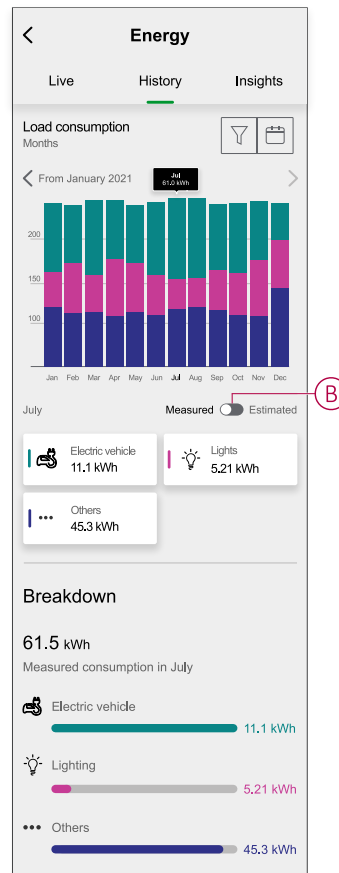
TIP: Select the desired load, for example Lighting, Heating etc. to view the load consumption data.

NOTE: Select the required hour/day/month/year in the bar graph to view the respective breakdown.

- Tap toggle switch (B), for a breakdown of measured and estimated load consumption.

NOTE:

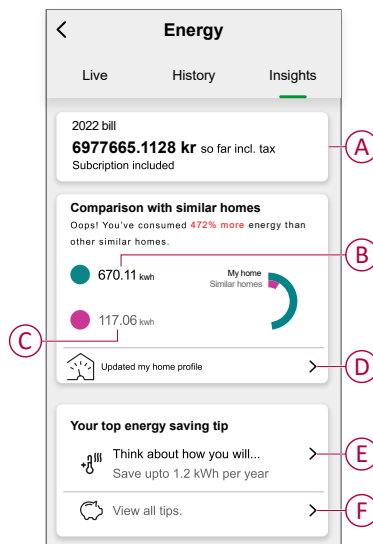
- Measured and estimated load consumption feature is available only for Personalized Energy Insights users. For other users by default measured values will be displayed.
- It is only possible to enable this feature for months and years breakdown.



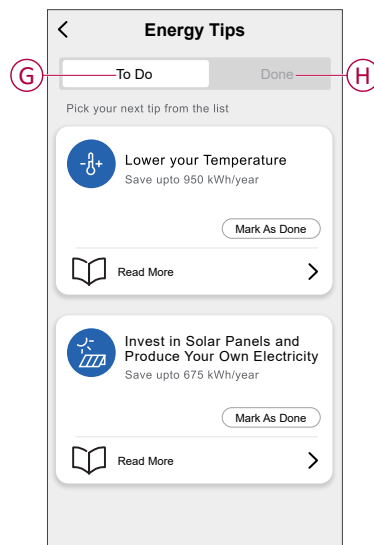
Insights

Using the Wiser app, you can check the annual bill for a specific tariff for all users. Similar home energy comparison and energy saving tips for Personalized Energy Insights users.

1. On **Home** page, tap **Energy Dashboard > Insights**.
2. On the **Insights** page, you can see the following:
 - Annual bill as per the tariff set (A) (for all user).
 - Comparison of energy consumption with similar homes and energy saving tips (for Personalized Energy Insights user only).
 - ● (B) indicates energy consumption of your home.
 - ● (C) indicates energy consumption of similar homes.
 - Update home profile, page 24 (D).
 - Energy saving tips (E).
 - List of additional tips to save energy (F).



3. Tap (F), to **View all tips**.
 - **To Do (G)**: list of tips to save energy.
 - **Done (H)**: list of completed tips.

**TIP:**



- Tap on **Read more** to view the detailed information regarding the tip and also the estimated savings per year.
- Once the tip on **To Do** tab has been implemented, tap **Mark As Done**. The tip will now appear in **Done (H)** tab.


Creating an automation

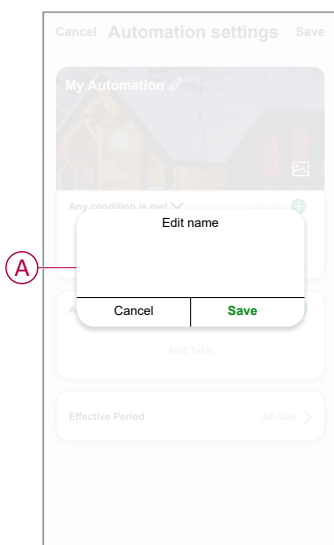
An automation allows you to group multiple actions that are usually done together, triggered automatically or at scheduled times. By using the Wiser app , you can create automations based on your needs.

NOTE: Automation is only possible with the PowerTag assigned as **Grid**.

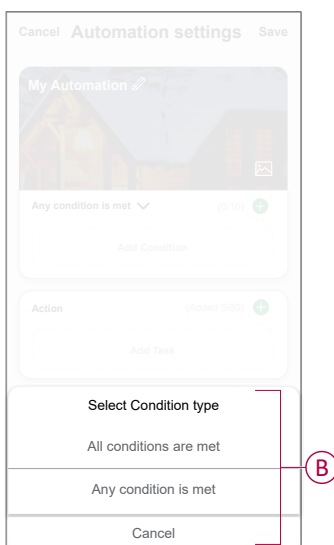
To create an automation:

1. On the **Home** page, tap on .
2. Go to **Automation** > **+** to create an automation.
3. Tap **Edit Name**  , enter the name of the automation (A) and tap **Save**.

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




4. Tap **Any condition is met** to select any one of the condition type (B):
 - **All conditions are met:** the automation is triggered when all the conditions are met.
 - **Any condition is met:** the automation is triggered when at least one condition is met.



5. Tap **Add Condition** to display the slide-up menu.

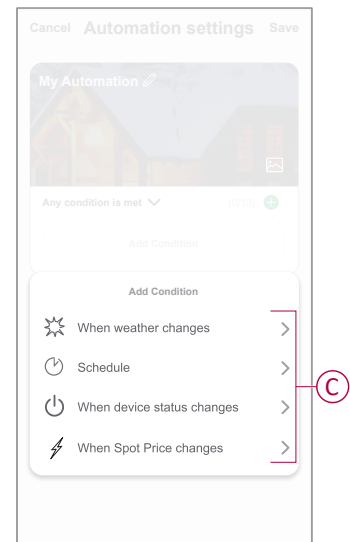
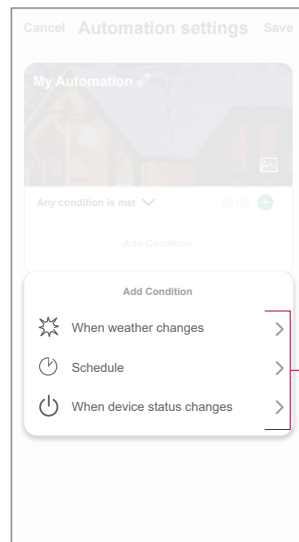
6. In the **Add Condition** menu, you can do either or all of the following options (C):

- **When weather changes:** select various weather settings.
- **Schedule:** set the time and day.
- **When device status changes:** select the device and its function.
- **When Spot Price Changes:** set the spot price and its condition (for Sweden & Finland).

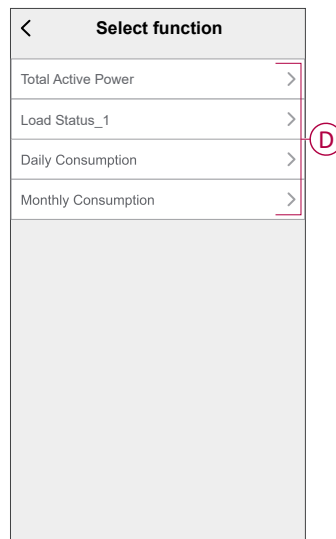
NOTE: You can add one or more conditions using .

Country without Spotprice (Spain & Portugal)

Country with Spotprice (Sweden & Finland)



7. Tap **When device status changes** > **Grid** and select any of the following function (D):



- **Total Active Power:** to set the real-time energy consumption (kW).
- **Load Status:** to turn on/off the load.
- **Daily Consumption:** to set the daily energy consumption.
- **Monthly Consumption:** to set the monthly energy consumption.

8. For Sweden & Finland, tap **When Spot Price Changes**, set the required spot price and condition (lesser then/greater then).




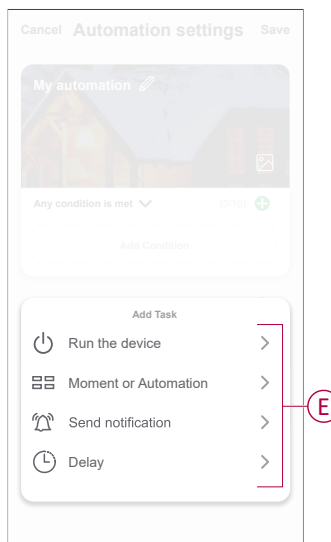
Example: If you set condition as Spot Price > 2 kr/kWh, your actions (defined in next step) will run when price goes above 2 kr/kWh.

9. Tap **Add task** to display the slide-up menu.

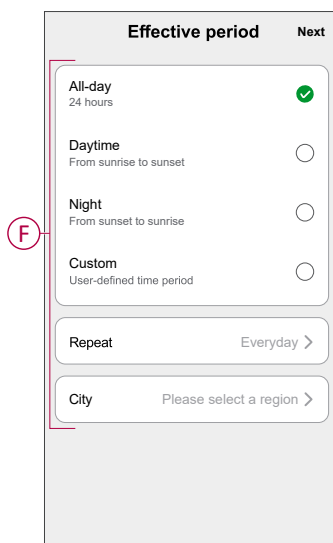
10. In the **Add task** menu, you can do either or all of the following options (E):

- **Run the device:** select the devices that you want to trigger.
- **Moment or Automation:** select the moment which you want to trigger or select the automation that you want to enable or disable.
- **Send notification:** turn on notification for the automation.
- **Delay:** set the delay time.

NOTE: You can add one or more actions using .





11. Tap on **Effective period** to set the time range for the automation. You can select any one of the following (F):
 - **All-day**: 24 hours
 - **Daytime**: From sunrise to sunset
 - **Night**: From sunset to sunrise
 - **Custom**: User defined time period



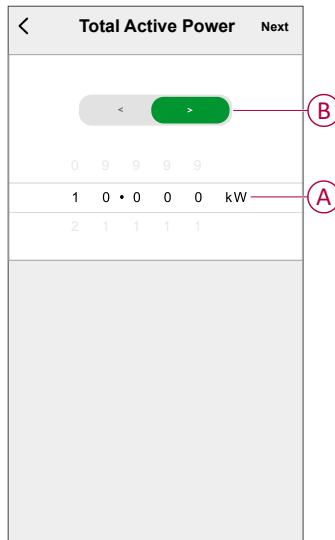
12. Once all the actions and conditions are set, tap **Save**.
Once the automation is saved, it is visible on the **Automation** tab. You can tap the toggle switch to enable/disable.

Example of an Automation

This demonstration shows you how to create an automation to switch off the load and receive notification when total active power consumption is more than set value.

1. Go to **Automation** > **+** to create an automation.
2. Tap , enter the name of the automation and tap **Save**.
TIP: You can choose the cover image that best represents your automation by tapping .
3. Tap **Add Condition** > **When device status changes** > **Grid** > **Total Active Power**.

4. Enter a target value (A), tap > (B) and then tap **Next**.




5. Tap **Add task > Run the device > Light**.
6. On **Select function** window, tap **Switch** from the slide-up menu and select **Off > Save > Next**.
7. Tap **Add task > Send Notification** select **Notification** then tap **Next**.
8. In the **Automation Settings** page, tap **Save**.

Once the automation is saved, it is visible on the **Automation** tab. You can tap the toggle switch on the automation to enable it.

Editing an automation

1. On the **Automation** tab, locate the automation you want to edit and tap ●●●.
2. On the **Edit** page, you can tap each item (such as dimmer, shutter, delay, temperature, etc.) to change the settings.

TIP:

- You can add one or more condition or actions using .
- To delete an existing condition or action, slide each item towards left and tap **Delete**.


Deleting an automation

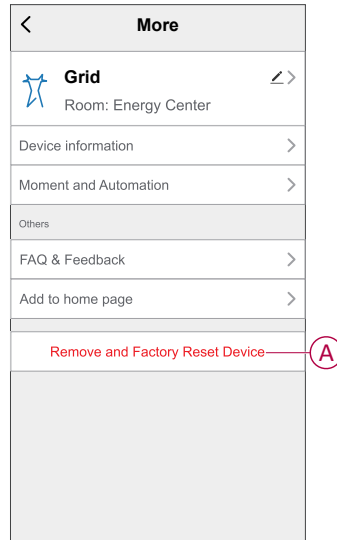
1. On the **Automation** tab, locate the automation that you want to delete and then tap ●●●.
2. Tap **Delete** and then tap **Ok**.

NOTE: After deleting an automation, the device action can no longer be triggered.

Removing the device

Using the Wiser app, you can remove a device from the device list.
To remove a PowerTag:

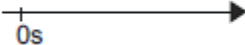


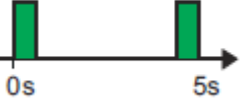



1. On the **Home** page, tap **All devices** and select the **PowerTag** to be removed.
2. Tap  to display more details.
3. Tap **Remove and Factory Reset Device (A)** > **Confirm**.



TIP: On the **Home** page, tap and hold the **PowerTag** to remove the device.

All the historical data will be deleted in the app and cloud.

LED indications

Behavior	Communication indicator light
	PowerTag switched off.
	PowerTag is searching a Gateway in pairing mode.
	PowerTag is in identification mode.
	PowerTag is in network. Normal communication with the Gateway.
	Occasional loss of communication.
	Loss of communication with the Gateway.
	Internal error detected.

Troubleshooting

Symptom	Possible cause	Solution
Currency or the cost related information is not appearing correct.	User has not configured the tariff plan.	Configure the tariff plan correctly by setting the consumption and production target.
Signal strength is bad.	Poor signal between the Wiser Gateway and PowerTag.	Move the Wiser Gateway closer to the PowerTag.
Dashboard is blank and the user unable to see the PowerTag.	User has not set any PowerTag as Grid.	Set a PowerTag as Grid. Refer Pairing the device, page 10 from step 11.
Individual PowerTag data is not available in dashboard.	<ul style="list-style-type: none"> Device is offline. System/Gateway is unable to receive data. Ethernet connection is incorrect. 	Restart the device. Also, ensure to correct the Ethernet connection.
The hourly data is incorrect against real local time.	Incorrect time configuration as per the user's country.	Set correct time zone as per your country.
The Wiser Gateway LED blinks amber continuously.	<ul style="list-style-type: none"> IP address not assigned by the router. There is no internet router yet. 	<ul style="list-style-type: none"> Check for a proper internet connection. The Wiser Gateway switches to Discovery mode and tries to capture unmatched components. <p>NOTE: Discovery mode lasts no longer than 10 minutes.</p>
The PowerTag LED blinks red rapidly.	PowerTag has lost connection with the Wiser Gateway.	<ul style="list-style-type: none"> Do a power cycle by switching OFF and ON the PowerTag. Ensure that the LED starts blinking amber and try adding again. <p>NOTE: If the LED still blinks red, replace with a new device and try adding again.</p>
The PowerTag LED stays red continuously.	The PowerTag is not working permanently.	Replace with a new PowerTag and try adding again.
The PowerTag LED is OFF	PowerTag is probably not powered ON.	<p>Recheck the wiring and power connection of the PowerTag and see if gets powered ON. Try adding the device after it is powered ON.</p> <p>If the above mentioned method do not work, replace the PowerTag and retry.</p>
The PowerTag LED blinks orange.	PowerTag is in discovery mode and is ready to be connected.	<p>Perform any of the methods:</p> <ul style="list-style-type: none"> Reduce the distance between the Gateway and the device if possible. Try adding again. Power OFF any other Gateways in the area which have wireless devices and try adding again. Replace with a new device and try adding again.

Technical data

Features

Rated Voltage	R9M20	1P	Phase-to-phase	200 - 240 V AC \pm 20 %
	R9M21	1P+N	Phase-to-neutral	220 - 240 V AC \pm 20 %
	R9M22	1P+N	Phase-to-neutral	
	R9M60	1P+N	Phase-to-neutral	200 - 240 V AC \pm 20 %
	R9M40	3P	Phase-to-phase	200 - 240 V AC \pm 20 %
	R9M43	3P	Phase-to-phase	380 - 415 V AC \pm 20 %
	R9M41	3P+N	Phase-to-neutral	220 - 240 V AC \pm 20 %
	R9M42	3P+N	Phase-to-phase	380 - 415 V AC \pm 20 %
	R9M70	3P+N	Phase-to-neutral	220 - 240 V AC \pm 20 %
Phase-to-phase			380 - 415 V AC \pm 20 %	
Frequency	50/60 Hz			
Maximum current	I _{max}		63 A	
Basic current	I _b		10 A	
Saturation current			130 A	
Starting current	I _{st}		40 mA	

Environment

Operating temperature			-25 °C to +60 °C
Storage temperature			-40 °C to +85 °C
Overvoltage category	As per IEC 61010-1		Cat. III
Measuring category	As per IEC 61010-2-030		
Altitude			\leq 2000 m
Degree of protection	Device only		IP20
	IK		05

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
Maximum transmission time			< 5 ms
Channel occupancy	Messages sent every		5 seconds (approx.)

Characteristics of measuring functions

Function		Performance category as per IEC 61557-12 PMD-I/DD/K55/1	Device measuring range	
Active energy (delivered and received)	Ea	Class 1	Total and partial 0 to 99999999.9 kWh	
Power	P	Class 1	1P+N	≤ 1 VA
			3P/3P+N	≤ 2VA

Weight

Please refer below table based on your commercial reference.

Commercial reference	Type	Weight (g)
R9M20	1P + Wire	16.4
R9M21	1P + N	17.5
R9M22		
R9M40	3P	28
R9M43		
R9M41	3P + N	35
R9M42		
R9M60	1P + N	16
R9M70	3P + N	40

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 (EOL).

<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/>



EU Declaration of Conformity

Hereby, Schneider Electric Industries, declares that this product is in compliance with the essential requirements and other relevant provisions of RADIO DIRECTIVE 2014/53/EU. Declaration of conformity can be downloaded on se.com/docs.

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DUG_PowerTagE_WSE-03