

Sedna - Connected Relay Switch 10 A

Device user guide

Information about features and functionality of the devices

04/2023



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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.

Sedna - Connected Relay Switch 10 A



SDD11x388
SDD18x388

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.

About the device

The Connected Relay Switch 10 A (hereinafter referred to as **Relay Switch**) is a push button device that can be used to switch LED, ohmic, inductive or capacitive loads manually or remotely.

Control options

Home control: To control the relay switch through the Wiser app you will need the Wiser Gateway.

Direct operation: The relay switch can always be controlled directly on-site. You can also connect any number of mechanical push-buttons.

Installing the device

Refer to the installation instruction supplied with this product.


See Connected Relay Switch 10 A.

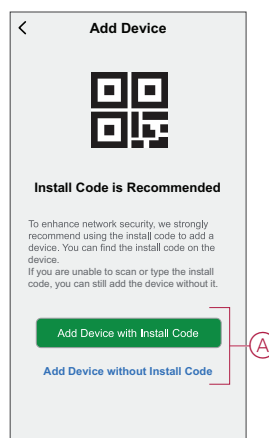
Pairing the device

Using the Wiser app, pair your device with the **Gateway/Hub** to access and control the device. You can either add the device manually or do an auto-scan to pair it.

Pairing device manually

To pair the device manually:

1. On **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**

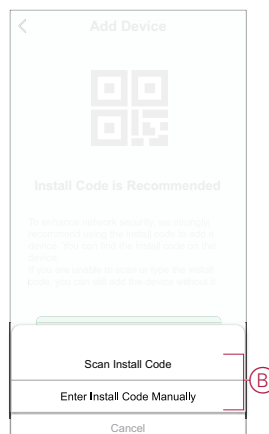


TIP: It is highly recommended to add the device with install code.

4. To pair the device with an 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.
 - **Enter Install Code Manually** - you can manually enter the install code from the device.

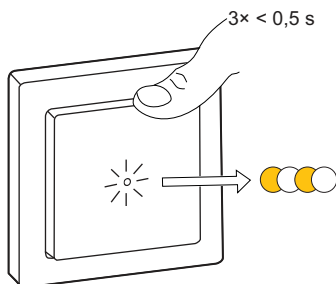
TIP: Install code is located on the rear side of the device.

After pairing the device with install code, proceed to **Step 6**.



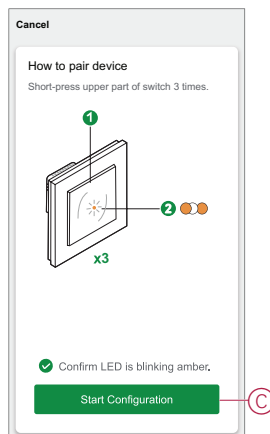
5. To pair the device without Install Code, tap **Add Device without Install Code**.

6. Short press the upper part of the push button 3 times ($< 0,5$ s) on the device.

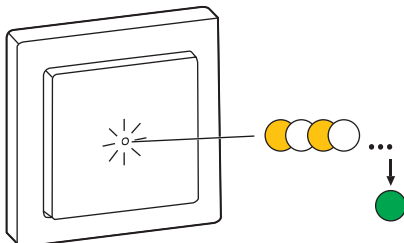


The LED blinks amber.

7. In the app, select **Confirm LED is blinking amber** and tap **Start configuration (C)**.



After a few seconds, a solid green LED indicates that the device has been successfully paired to the **Gateway/Hub**.



8. Tap **Done** when the pairing is successful.

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 **+**.
2. Tap **Auto scan > Confirm**.
3. Enable permissions to **Access location** and **Wi-Fi** for scanning device and tap **Start scanning**.

NOTE: If you have multiple hubs, do Step 4 or proceed to Step 5.

4. Tap **Select hub** and select the Wiser hub from the slide-up menu.
5. Short press upper part of the push button 3 times ($< 0,5$ s) and wait for a few seconds until the device search is complete.

The LED blinks amber.

TIP: If you want to pair multiple devices at once, perform step 5 on each device and wait for a few seconds for them to be detected.

6. Tap **Next (A)** and select **Connected Relay Switch 10A**.





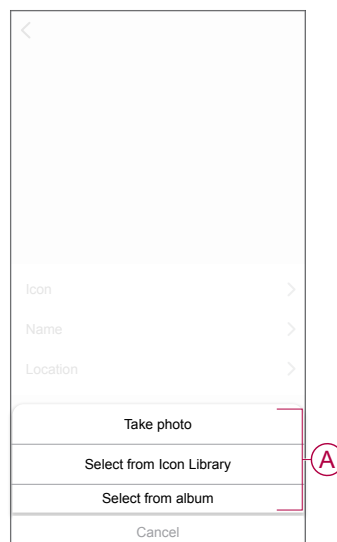
7. Once the device is added successfully, tap **Done**.

Configuring the device

Changing the device icon



You can change the device icon using the Wisers app.

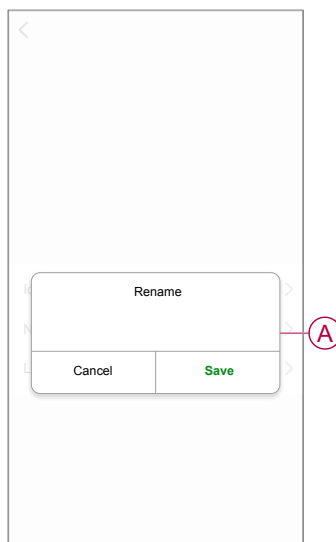
1. On the **Home** page, select the device for which you wish to change the icon.
2. At the top-right corner of the screen, tap .
3. Tap edit  next to the device name.
4. Tap **Icon** to view the menu.
5. In the slide-up menu, select any one of the following (A) to change the device icon:
 - **Take photo** - allows you to click a photo from the mobile camera.
 - **Select from Icon Library** - allows you to select an icon from the app library.
 - **Select from Album** - allows you to select a photo from the mobile gallery.



Renaming the device



You can rename the device using the Wiser app.

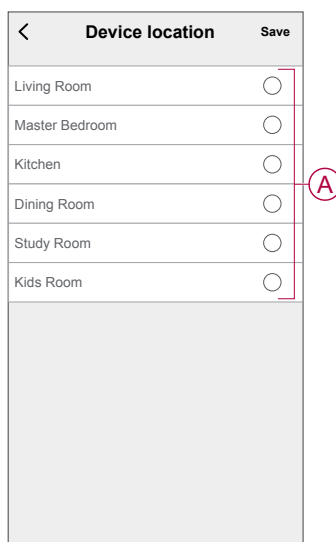
1. On the **Home** page, select the device for which you wish to rename.
2. At the top-right corner of the screen, tap .
3. Tap edit  next to the device name.
4. Tap **Name**, enter the new name (A) and then tap **Save**.



Changing the device location


You can change the device location using the Wiser app.

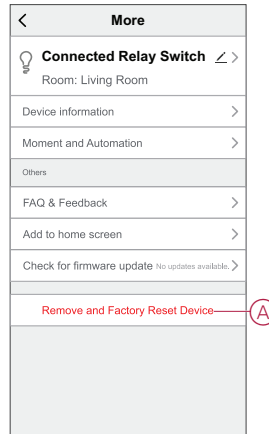
1. On the **Home** page, select the device for which you wish to change the location.
2. At the top-right corner of the screen, tap .
3. Tap edit  next to the device name.
4. Tap **Location**.
5. Select the desired location from the list (A) and then tap **Save**.



Removing the device

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

1. On the **Home** page, tap **All devices** > **Connected Relay Switch**.
2. Tap  to display more details.
3. Tap **Remove and Factory Reset Device** (A).



TIP: Alternatively, you can long tap **Connected Relay Switch** on the **Home** page to remove the device.

NOTE: By removing the device, you will reset the device. If you still have a problem with the reset, then refer to [reset the device](#), page 10.

Resetting the device

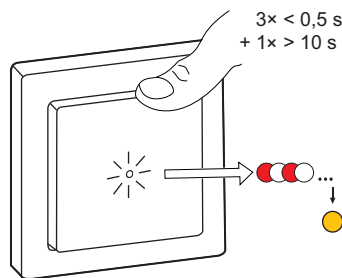
You can reset the device to factory default manually.

Short-press the push button 3 times (<0.5 s) and then long-press the push button once (>10 s).

The LED blinks red after 10 s, and then release the push button.

Upon successful reset, the LED stops blinking. Then, the device restarts and blinks green for a few seconds.

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



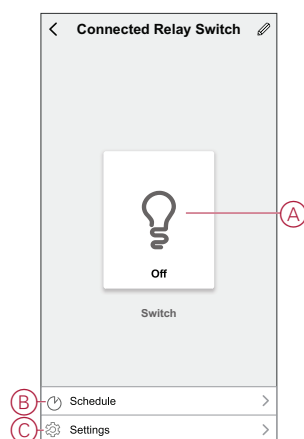
Using the device

The Control Panel allows you to switch the turn on/off the relay switch and control various settings.

On the **Home** page, tap **All devices** > **Connected Relay Switch** to access the control panel.

On the control panel page, you can see the following:

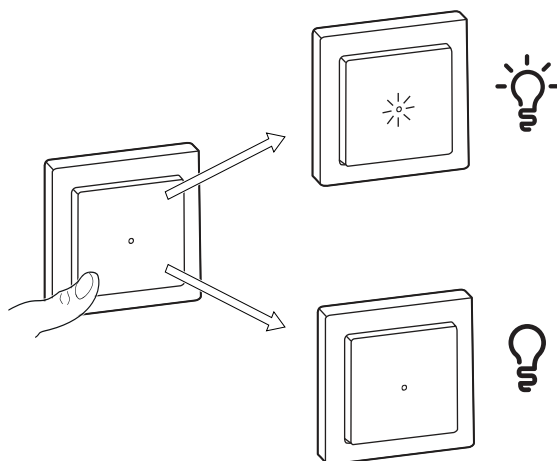
- The current state of the Relay Switch (A)
- Schedule, page 12 (B)
- Settings, page 13 (C)



Switching on/off the device manually

You can turn on/off the device manually. The device powers the electrical appliances connected to it.

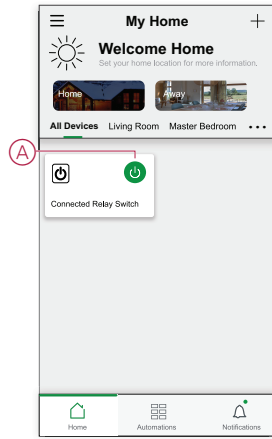
Short press the push button once to turn on/off the Relay Switch.




Switching on/off the device using app

By using the Wiser app, you can turn on/off the device.

On the **Home** page, tap the power button (A) to turn on/off the Relay Switch.



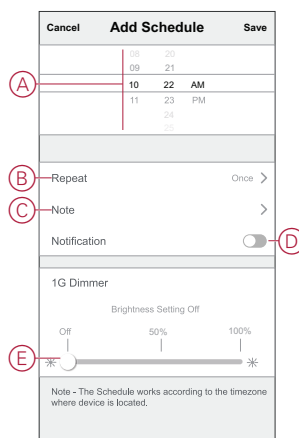
Alternatively, you can navigate to the control panel, page 10 of the device and tap  to turn on/off the Relay Switch.

NOTE: The control panel shows the current state of the Relay Switch.

Creating a schedule

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

1. On the **Home** page, tap **All devices** > **Connected Relay Switch**.
2. Tap **Schedule** > **Add schedule** to add a schedule.
3. Set the time (A).
4. Tap **Repeat** (B) to select the days you want to set the schedule.
5. Tap **Note** (C), enter the note and tap **Confirm**.
6. Tap the toggle switch (D) to turn on the **Notification** for the schedule. The app will send a notification that the scheduled task is executed at the time of schedule.
7. Tap **Switch** (E) and select one of the options:
 - **On** - Turns on the Relay Switch on the scheduled time
 - **Off** - Turns off the Relay Switch on the scheduled time



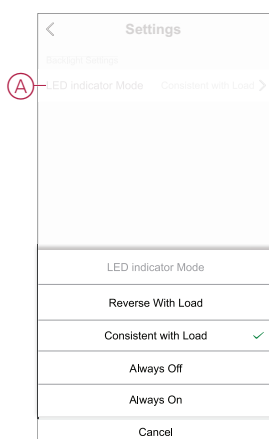
8. Tap **Save**.

Backlight mode

Using the Wiser app, you can select the LED indicator mode for easy identification of the device status.

To set the Backlight modes:


1. On the **Home** page, tap **All devices** > **Connected Relay Switch**.
2. On the device control panel page, tap **Settings**.
3. Tap **Backlight Mode** (A) and select any one of the following:
 - **Reverse With Load**: The LED on the Relay Switch is On when the device is Off.
 - **Consistent With Load**: The LED on the Relay Switch is On when the device is On.
 - **Always Off**: The LED on the Relay Switch is always Off.
 - **Always On**: The LED on the Relay Switch is always On.





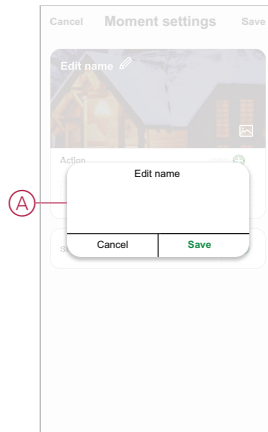
For information on LED color during each modes, refer to **LED Indication**, page 20.

Creating a moment


A Moment allows you to group multiple actions that are usually done together. Using the Wiser app, you can create moments based on your needs (such as movie night).

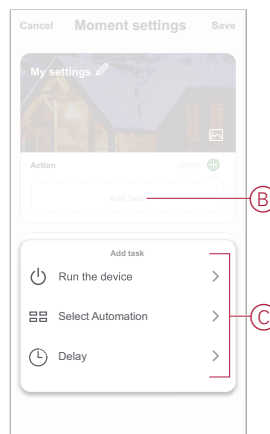
1. On the **Home** page, tap .
2. Go to **Moment** > **+** to create a moment.

3. Tap **Edit name** , enter the name of the moment (A) and tap **Save**.
TIP: You can choose the cover image that represents your moment by tapping .

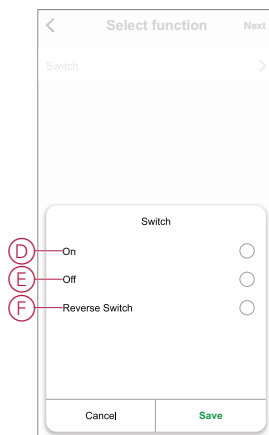


4. In the **Action** section, tap **Add task** (B) to open the slide-up menu.
5. In the **Add task** menu, you can do either or all of the following actions (C):
- **Run the device:** select the devices that you want in a moment.
 - **Select Automation:** select the automation that you want to enable or disable.
 - **Delay:** set the delay time.

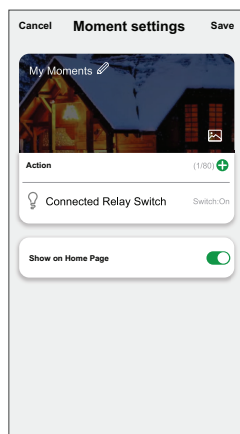
NOTE: You can add one or more actions using .



6. Tap **Run the device > Connected Relay Switch > Switch** to select either or all of the functions to add in the moment:
- **On**: turns on the switch (D).
 - **Off**: turns off the switch (E).
 - **Reverse Switch**: toggle the last state of switch (F).



7. Set all actions and tap **Save**.



Editing a moment

To edit a moment:

1. On the **Moment** tab, locate the moment 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 actions using **+**.
- To delete an existing action, slide the each item towards left and tap **Delete**.

Deleting a moment

To delete a moment:



1. On the **Moment** tab, locate the moment that you want to delete and then tap **⋮**.


2. Tap **Delete** and tap **Ok**.

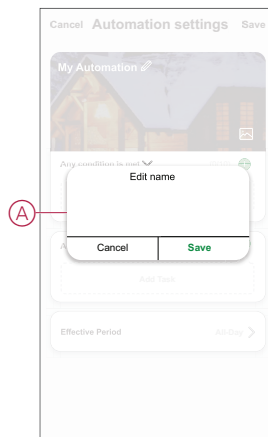
NOTE: After deleting a moment, the device action can no longer be triggered.

Creating an automation

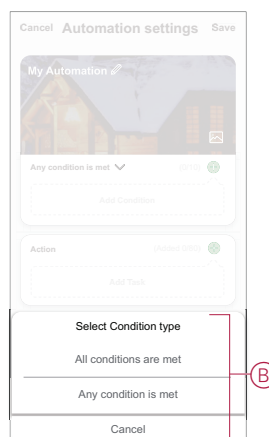
An automation allows you to group multiple actions that are usually done together, triggered automatically or at scheduled times. By using the Wiser app, you can create automations based on your needs.

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

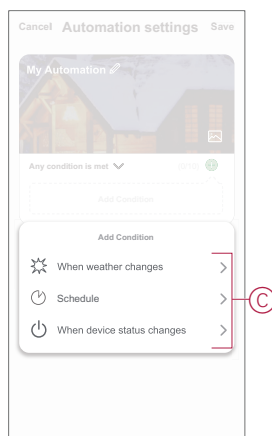


5. Tap **Add Condition** to display the slide-up menu.

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

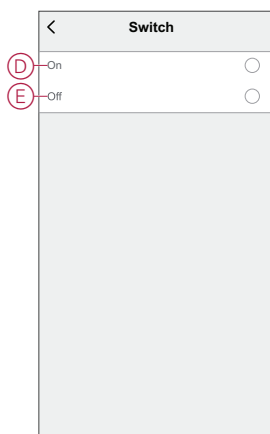
- **When weather changes**: select the various weather settings.
- **Schedule**: set the time and day.
- **When device status changes**: select the device and it's function.

NOTE: You can add one or more conditions using .




7. Tap **When device status changes** > **Connected Relay Switch** > **Switch** and select either functions:

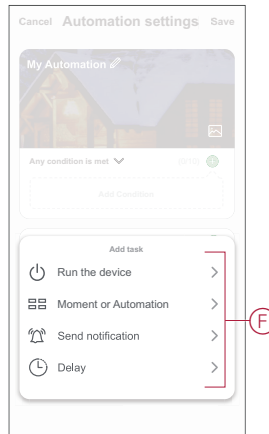
- **On**: turns on the switch (D).
- **Off**: turns off the switch (E).



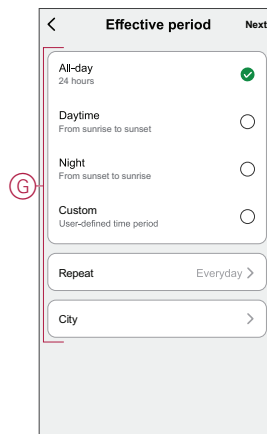
8. Tap **Add task** to display the slide-up menu.

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



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




11. Once all the actions and conditions are set, tap **Save**.


Automation is now available under **Automation** tab. Use toggle switch to enable/disable automation.

Example of an automation

This demonstration shows you how to create an automation to switch on the light at the scheduled time.

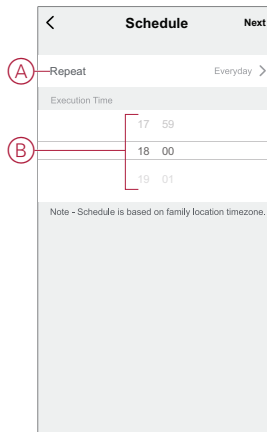
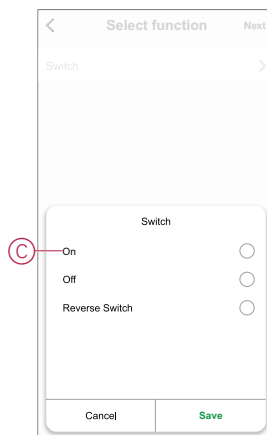
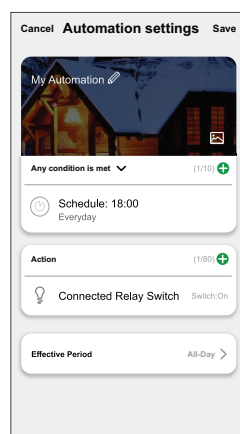
1. Go to **Automation** > **+** to create an automation.

2. Tap **Edit name** , enter the name of the automation and tap **Save**.

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

3. Tap **Add Condition > Schedule**.

- Tap **Repeat** (A), select the days you want to set the schedule and tap **Save**.
- Set the time (B) at which the automation must start and tap **Next**.

4. Tap **Add task > Run the device > Connected Relay Switch**.5. Tap **Switch > On** (C) and tap **Save**.6. Tap **Next**.7. 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/disable it.

Editing an automation

To edit 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 actions using .
- To delete an existing condition or action, slide each item towards left and tap **Delete**.

Deleting an automation



To delete an automation:

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



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

LED Indication





Pairing

User Action	LED Indication	Status
Press the push-button 3 times	LED blinks amber per second. 	Pairing mode is active for 30 seconds. When pairing is completed, LED glows green for some time before turning off. 







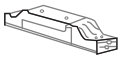

Resetting

User Action	LED Indication	Status
Press the push-button 3 times and hold it down once for > 10 s.	After 10 s, the LED blinks red. 	The device is in reset mode. It is reset to the factory settings after 10 seconds. The device then restarts and the LED blinks green for a few seconds and then stays amber. 

LED Indicator Mode/Backlight Mode

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

Technical Data

Nominal voltage	AC 230 V, 50 Hz		
Nominal power	Load type	Load name	Load value
	 LED	LED	200 W
		Motor	1000 VA
		Iron core transformer	500 VA
		Incandescent lamp	2200 W
		Halogen lamp	2000 W
		Fluorescent lamp	200 W
		Electronic step-down converter	1050 VA
		Capacitive load	10 A, 140µF
Standby	Maximum 0.4 W		
Connecting Terminals	Screw terminals for max. 2 x 2.5 mm ² , 0.5 Nm		
Extension unit	Single Push-button, unlimited number, max. 50 m		
Fuse protection	16 A circuit breaker		
Nominal current	10 A, $\cos\varphi = 0.6$		
Operating frequency	2405 - 2480 MHz		
Max. radio-frequency power transmitted	< 10 mW		
Communication protocol	Zigbee 3.0 certified		

Compliance

Compliance information for Green Premium products

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

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/>

Find compliance information for a Green Premium product

Click the link below to search for a product's compliance information (RoHS, REACH, PEP and EOLI).

NOTE: You will need the product reference number or product range to perform the search.

<https://www.reach.schneider-electric.com/CheckProduct.aspx?cskey=ot7n66yt63o1xblflyfj>

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DUG_Sedna - Relay Switch_WSE-00