

Wiser Home Essential API

User Guide

Information about features and functionality of the software.

06/2025



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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.

Cybersecurity Information

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.
- Visit the [Schneider Electric Cybersecurity and Data Protection Posture](#) web page to:
 - Access the cybersecurity posture.
 - Learn more about cybersecurity in the cybersecurity academy.
 - Explore the cybersecurity services from Schneider Electric.

Cybersecurity Principles

This system hardening guideline can help you to follow best practices to improve the security of your system.

Passwords

- Passwords should include upper case, lower case, number and special characters.
- The password must have 10 characters minimum.
- The password should not be easily found in the dictionary and a phrase is preferred.
- Passwords should be changed frequently, at least once a year.
- A default Admin password must be changed immediately when first received and after a factory reset.
- Never reuse passwords.
- After first login, change default password for local access.

Network

- IoT devices should only be connected to your building's private internal network.
- IoT devices should not be made directly accessible from internet. Ensure that you DO NOT use port forwarding to access an IoT device from the public internet.
- An IoT device should be on its own network segment. If your router supports a VLAN or other form of network segmentation, the IoT device should be located there.
- Use the strongest Wi-Fi® encryption available.

Sales Enquiry and Subscriptions

Wiser Home Essential API

You can contact the Sales Team to subscribe to the Wiser Home Essential API.

For technical support, you can email [**exchange.support@se.com**](mailto:exchange.support@se.com).

Target Audience

Wiser Home Essential API

Audience: Software Developers

As a developer, you are the primary user of the **Wiser Home Essential API**. You can use this API to access Wiser Home data and create custom integration workflows, such as device schedules and energy dashboards, based on the requirements of building managers.

Wiser Home Essential API

About the Wiser Home Essential API

The Wiser Home Essential API (hereinafter referred to as API) is designed to facilitate seamless integration and control of various home automation systems. This API allows software developers to manage and interact with Wiser Home hubs and their functions such as:

- Heating
- Lighting
- Electrical Loads
- Sensors
- Shutters

It provides a secure and standardized way to communicate with the Wiser Home system, facilitating smart and sustainable home solutions for professionals managing multiple homes in shared residences.

Using this API, you can create custom workflows based on the building manager's requirements for the existing system. Once you create the workflows or energy dashboards, the building manager can access it and monitor/control the devices.

NOTE: The use of this API is restricted to qualified software engineers only. Improper use may lead to system vulnerabilities or data integrity issues. Ensure that you have the necessary expertise before accessing or utilizing this API.

IMPORTANT: You must subscribe to the [Wiser Home Essential API](#) before you can use it. Once subscribed, you can see the API credentials in the [Exchange portal > Wiser Home Essential API > View Credentials](#).

Registering for an Exchange Portal

The Exchange portal provides developers with a comprehensive, customized developer portal that offers detailed documentation, easy-to-use try-outs, and support for API key management.

To Register:

1. Click [Exchange](#).
2. On the top-right pane, click **Login/Register**.
3. Click **Register**.

The **Create your account** window appears.

4. Enter the following details:

- **Email (A):** Enter your email ID.
- **Name (First and Last) (B):** Enter your first and last name.
- **Password (C):** Create your password.
 - TIP:**
 - At least 10 characters long.
 - Use at least 3 of the 4 character types: uppercase letters, lowercase letters, numbers, and symbols.
- **Location (D):** Enter your location.

The screenshot shows a 'Create your account' form. It contains the following fields and elements:

- A:** Email input field.
- B:** Name (First and last) input field.
- C:** Password input field with an eye icon for visibility toggle.
- D:** Location dropdown menu showing 'India'.
- or continue with:** Social media icons for Google, Facebook, LinkedIn, and Google.
- E:** A green 'Next' button.

TIP: You also can continue with your Facebook, LinkedIn, or Google account.

5. Click **Next (E)**.

The company information window appears.

6. Enter your company information such as **Company Name (F)**, **Business Type (G)**, **Area of focus (H)**, and click **Yes** or **No** to receive news and commercial information from SE.

The screenshot shows a 'Provide your company information' form. It contains the following fields and elements:

- F:** Company Name input field.
- G:** Business Type dropdown menu.
- H:** Area of focus dropdown menu.
- I:** A green 'Register' button.
- Consent text: "I'd like to receive news and commercial info from Schneider Electric and its affiliates via electronic communication means email, and I agree to the collection of information on the opening and clicks on these emails (using invisible pixels in the images), to measure performance of our communications and improve them. For more details, please read our [Privacy policy](#)".
- Radio buttons for 'Yes' and 'No'.
- Footer text: "We process account registration information and connection logs for authentication and application access management. [Privacy notice](#)".
- reCAPTCHA widget with 'I'm not a robot' checkbox and 'reCAPTCHA Privacy terms' link.

7. Click **Register (I)**.
A verification code will be sent to your registered email ID.
8. Enter the verification code to complete your registration.
The **Terms & Conditions** window appears.
9. Read the **Terms & Conditions** carefully and accept it.

You will be successfully logged into the Exchange portal.

Log in to Exchange Portal

You can log in to Exchange portal using Chrome or Edge browser.

1. Click Exchange.
2. On the top-right pane, click **Login/Register**.
3. In the **Email** field, enter your registered email ID.

Login or Register

Email

Remember me ⓘ

Next

or continue with

New to Schneider Electric?

Register

We process account registration information and connection logs for authentication and application access management. [Privacy notice](#)

4. In the **Password** field, enter your password.
5. Click **Next**.

You can find the subscribed products in the **My Products** tab.

Creating a Personal Access Token

A Personal Access Token (PAT) in the Wiser Home Essential API is a secure way to authenticate and authorize access to the API. It verifies your identity and grants specific permissions, allowing you to perform actions like reading or writing data within the Wiser Home system.

You can use a Personal Access Token (PAT) as a **Bearer Token** to authorize your API calls.

IMPORTANT: Your Personal Access Token serves as a credential that grants you access to your own data. Ensure that you keep it secure and never share it publicly.

To create:

1. On the **Wiser Home Essential API** page, click **PAT**.

The **Personal Access Token** window appears.

TIP: You can also navigate to the Personal Access Token (PAT) window by clicking **View Credentials > Personal Access Token**.

2. On the top-right pane, click **+ Generate New Token**.

The **Generate New Personal Access Token** screen appears.

Generate a new personal access token

By creating a personal access token, you authorize Schneider Electric to allow access to your [Customer Data](#). Personal access tokens will allow read and /or write access to your Customer Data, for the duration and for the scopes you can choose below.

Token Name *

Type Token name here

Expiration *

7 days ▼ The token will expire on 2025-02-18

Select Scopes

Scopes define the access for personal tokens on this API.

Select All

read:wiser Read access to wiser data

write:wiser Write access to wiser data

I accept the [Terms & conditions](#) for authorization to Schneider electric to provide access to my customer data.

Generate Token Cancel

3. In the **Token Name** field, enter a name.
4. In the **Expiration** field, select the number of days you want to provide access.
5. In the **Select Scopes** fields, select the following options as per your need:
 - **Select All:** Allows you to select both read and write access at a time.
 - **read:wiser:** Allows you to read the wiser data.
 - **write:wiser:** Allows you to edit the options you want.
6. Select the **Terms & Conditions** check box.
7. Click **GENERATE TOKEN**.

The token is now successfully generated and is used as a Bearer token to fetch the API calls.

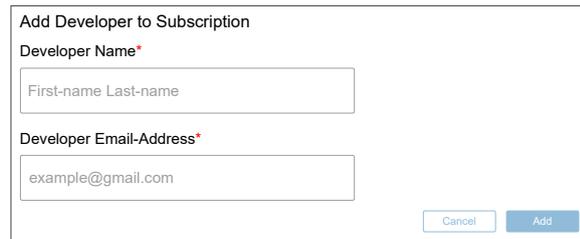
Providing API access to a Developer

As a building manager, you can add the developer to the Add Developer group to grant API access.

1. On the **Wiser Home Essential API** page, click **User Access**.
The **Authorized Users on Subscription** screen appears.

2. Click **+Add Developer**.

The **Add Developer to Subscription** screen appears.



The screenshot shows a form titled "Add Developer to Subscription". It contains two input fields: "Developer Name*" with a placeholder "First-name Last-name" and "Developer Email-Address*" with a placeholder "example@gmail.com". At the bottom right, there are two buttons: "Cancel" and "Add".

3. Enter the developer name in the **Developer Name** field.

4. Enter the developer email ID in the **Developer Email Address** field.

5. Click **Add**.

An access email is sent to the mentioned email address.

Using Developer Documentation to Access API Functions

You can find the documentation on the [Wiser Home Essential API development portal](#). This is the main source of truth for developers to check the regular updates and API versions. The documentation explains features such as:

- **Hubs**
- **Control**
- **Heating**
- **Sensors**
- **Energy**
- **Equipment**

Authorization Model

Once the building manager subscribed to the Wiser Home Essential API, they can create a Personal Access Token (Bearer Token) and share it with the developer to access the API or add the developer to the [Developer Group](#), page 11 to grant API access. You can see the Subscription key in **Wiser Home Essential API > View Credentials > Credentials**.



Developers need a Subscription Key and a Personal Access Token (Bearer Token) to access the API and perform integrations.

To create a PAT, refer to the [Creating a Personal Access Token](#), page 10 for more information. You can see the PAT in **Wiser Home Essential API > PAT**.

Downloading the API

You can download the API in different formats such as JSON and YAML from the Exchange portal.

To download:

1. Click [Wiser Home Essential API](#).
2. On the **Wiser Home Essential API** page, click **Select Format**.
3. Select your preferred format from the dropdown menu:
 - **JSON**
 - **YAML**

NOTE: The Download button will be enabled once you select the format.

4. Click **Download**.

The API will be downloaded in the selected format.

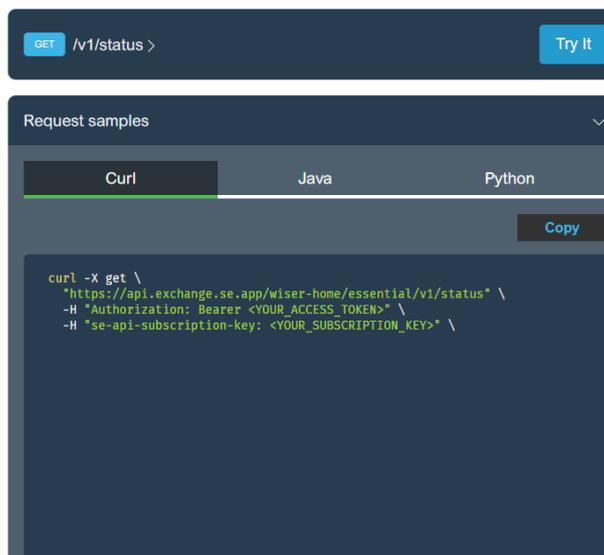
Once you download the API, you can use several tools to work with it.

Examples of API Functions

Using the **Try It** section in the API, you can perform the following actions:

- List of hubs, page 14
- Hub details, page 15
- List of devices, page 16
- Device details, page 17
- Status of the device, page 18
- Control the device, page 20

Here is the **Try It** section screen:



- The hub urn (Unique Reference Number) ID is required to fetch the list of commissioned devices.
- Both the hub urn ID and the device ID are required to control the devices.

The following topics are examples of fetching a list of hubs and hub details.

Hub

Fetching the List of Hubs

You can fetch the number of hubs in the Wiser System using **Try It** section in the API.

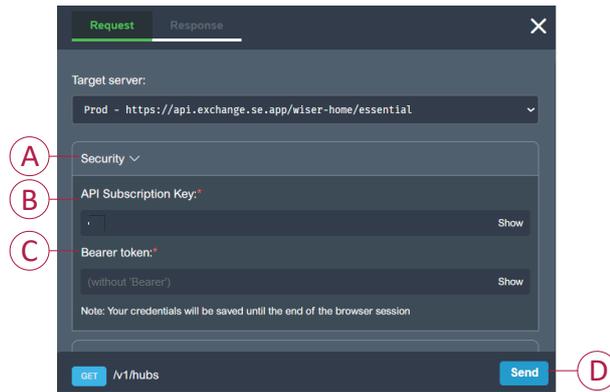
Prerequisites:

Before you start, ensure you have the following details:

- API Subscription Key
- Bearer Token

1. On the left pane, click **Hubs**.
2. Click **List Hubs**.
The API window appears.

3. On the right pane, click **Try It**.

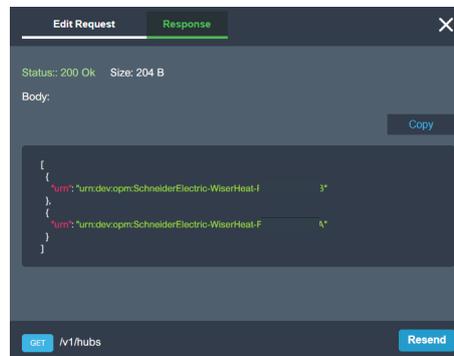


4. In the **Security (A)** section, enter the following details:

- **API Subscription key (B)**: Enter the subscription key.
- **Bearer token (C)**: Enter the bearer token.

NOTE: Your credentials will be saved until the end of the browser session.

5. Click **Send (D)**.



The system will display a list of hubs. Each hub entry will include a urn ID.

TIP: You can copy the response by clicking the **Copy** button.

Fetching the Hub Details by URN

You can fetch hub details such as ID, product type, device lock status, and signal strength using the **Try It** section.

IMPORTANT: You can find this urn ID when you fetch the list of hubs.

Prerequisites

Before you start, ensure you have the following details:

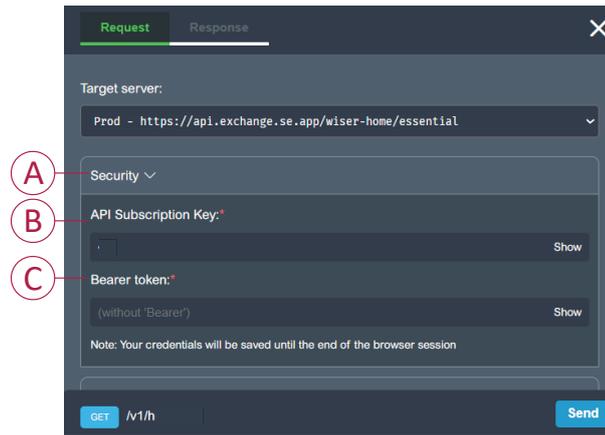
- API Subscription Key
- Bearer Token
- urn ID

1. On the left pane, click **Hubs**.

2. Click **Fetch Hub by URN**.

The API window appears.

3. On the right pane, click **Try It**.

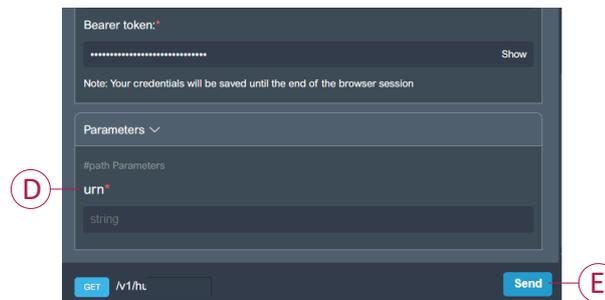


4. In the **Security (A)** section, enter the following details:

- **API Subscription key (B)**: Enter the subscription key.
- **Bearer token (C)**: Enter the bearer token.

NOTE: Your credentials will be saved until the end of the browser session.

5. In the **Parameters** section, enter the urn ID (D).



6. Click **Send (E)**.

You can see the hub details.

Device

The following topics are examples of fetching a list of devices, device details, and the away mode status.

Fetching the List of Devices

You can fetch the list of devices in the Wiser System using **Try It** section in the API. Here is an example of fetching the list of smartplugs. You can follow the same process for all devices to fetch the list of devices.

Prerequisites:

Before you start, ensure you have the following details:

- API Subscription Key
- Bearer Token
- urn ID

1. On the left pane, click **Control**.
2. Click **List Smartplug**.
The API window appears.

3. On the right pane, click **Try It**.

4. In the **Security (A)** section, enter the following details:

- **API Subscription key (B)**: Enter the subscription key.
- **Bearer token (C)**: Enter the bearer token.

NOTE: Your credentials will be saved until the end of the browser session.

5. In the **Parameters** section, enter the urn ID (D).

6. Click **Send (E)**.

You can see the list of Wiser plugs.

Fetching the Device Details by ID

You can fetch the device details such as ID, name, current state, and target state using the **Try It** section in the API. Here is an example of fetching the smartplug details. You can follow the same process for all devices to fetch the device details.

Prerequisites:

Before you start, ensure you have the following details:

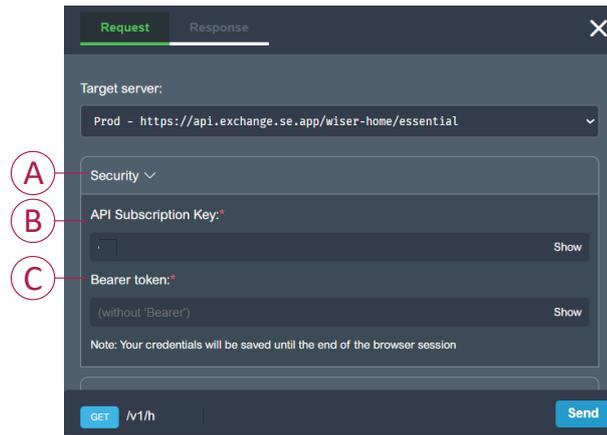
- API Subscription Key
- Bearer Token
- Device ID
- urn ID

1. On the left pane, click **Control**.

2. Click **Fetch SmartPlug By Id**.

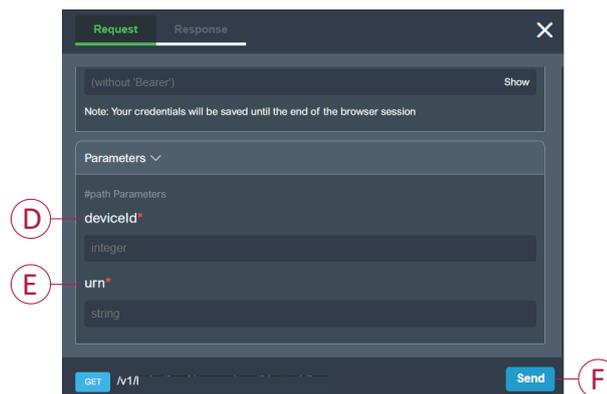
The API window appears.

- On the right pane, click **Try It**.



- In the **Security (A)** section, enter the following details:
 - API Subscription key (B)**: Enter the subscription key.
 - Bearer token (C)**: Enter the bearer token.

NOTE: Your credentials will be saved until the end of the browser session.
- In the **Parameters** section, enter the following details:
 - DeviceId (D)**: Enter the device ID.
 - urn (E)**: Enter the urn ID.



- Click **Send (F)**.

You can see the device details.

Fetching the Awaymode Status

You can check whether the hub status is in Awaymode (ON or OFF).

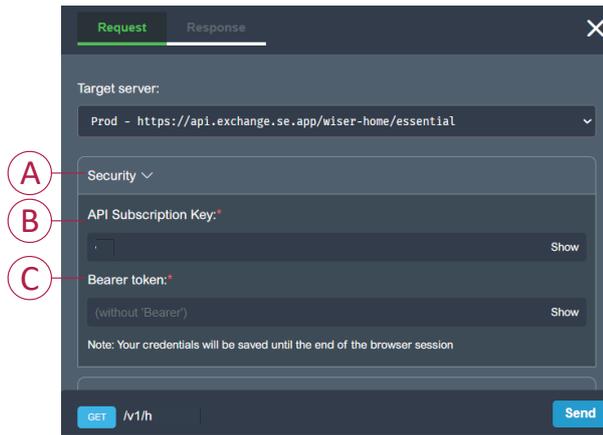
Prerequisites:

Before you start, ensure you have the following details:

- API Subscription Key
- Bearer Token
- urn ID

- On the left pane, click **Hubs**.
- Click **Fetch Awaymode Status**.
The API window appears.

3. On the right pane, click **Try It**.

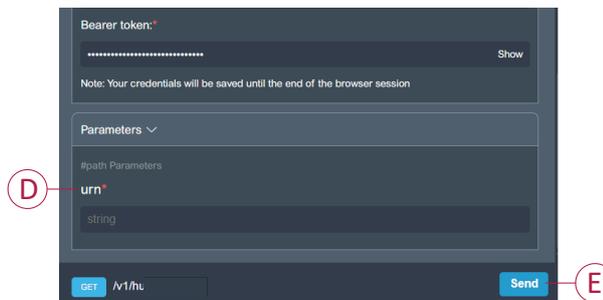


4. In the **Security (A)** section, enter the following details:

- **API Subscription key (B)**: Enter the subscription key.
- **Bearer token (C)**: Enter the bearer token.

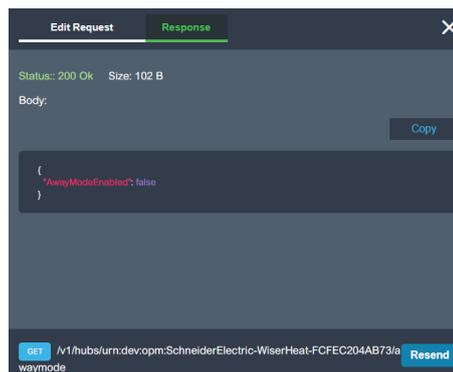
NOTE: Your credentials will be saved until the end of the browser session.

5. In the **Parameters** section, enter the urn ID (D).



6. Click **Send (E)**.

The hub status will be displayed. If the status is true, Awaymode is ON. If the status is false, Awaymode is OFF.



Controlling the Devices

You can control devices, such as turning it ON/OFF, adjusting the shutter percentage, setting the light brightness, and setting the temperature. Refer to the [Turning ON/OFF the Device](#), page 20 topic. You can follow the same process for all devices by changing the body field based on the device type.

In the **Body** field of the **Try It** section, enter the following details based on the device you want to operate:

Device	String
Lights and Dimmers	On/Off and percentage
Shutters	Percentage
Energy	On/Off
Heating	Degree centigrade
Sensors	On/Off

Turning ON/OFF the Device

You can turn the device ON/Off using **Try It** section in the API. Here is an example of turning the smartplug On/Off.

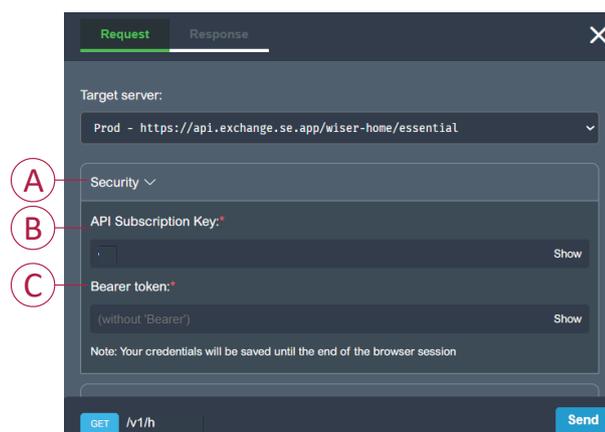
IMPORTANT: You can find this urn ID when you fetch the list of hubs.

Prerequisites:

Before you start, ensure you have the following details:

- API Subscription Key
- Bearer Token
- urn ID

1. On the left pane, click **Control**.
2. Click **List Smartplug**.
The API window appears.
3. On the right pane, click **Try It**.



4. In the **Security** (A) section, enter the following details:

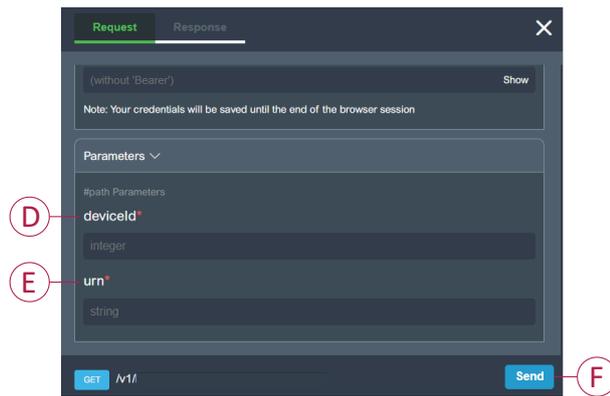
- **API Subscription key** (B): Enter the subscription key.
- **Bearer token** (C): Enter the bearer token.

NOTE: Your credentials will be saved until the end of the browser session.

5. In the **Body** section, enter On or Off to change the state of the device.

6. In the **Parameters** section, enter the following details:

- **deviceld** (D): Enter the device ID.
- **urn** (E): Enter the urn ID.



7. Click **Send** (F).

You have successfully changed the state of the device.

Compliance

Product Environmental Data

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

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



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/>



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Schneider Electric
35 rue Joseph Monier
92500 Rueil Malmaison
France

+ 33 (0) 1 41 29 70 00

www.se.com

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UG_Wiser Home Essential API_WH-00