How to add an output to Paxton10

Overview

Outputs are available on Paxton10 controllers, Alarm Connectors and I/O Connectors. They can be used to switch external devices such as lighting, heating, electric blinds, computer equipment or a sounder.

Once an output has been added to Paxton10 and mapped to the correct hardware, it can be controlled from the system or used in Custom Rules. For example, an output could activate a siren during an emergency event.

Before you begin

- Confirm the appliance is wired to a compatible spare output on a Paxton10 controller, Alarm Connector or I/O Connector.
- Check the relevant product installation instructions to ensure the connected appliance is suitable for the output being used.
- Log in to Paxton10 with a System Engineer role to add and configure devices.
- Use Method A if the output is on an I/O Connector. Use Method B if the output is a spare output on a controller or Alarm Connector.

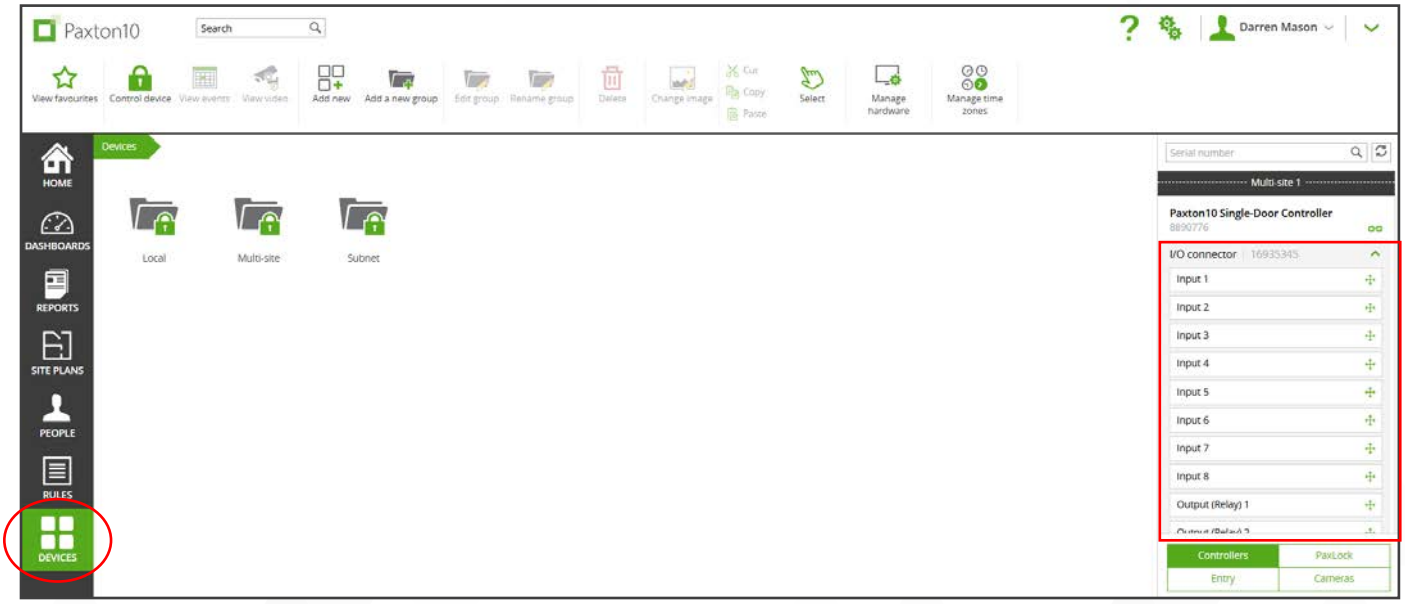
Want to know about digital inputs?

This application note covers outputs. If you want to add or configure a digital input, see APN-0031-US – How to add a digital input to Paxton10.

Method A – Add an output from an I/O Connector

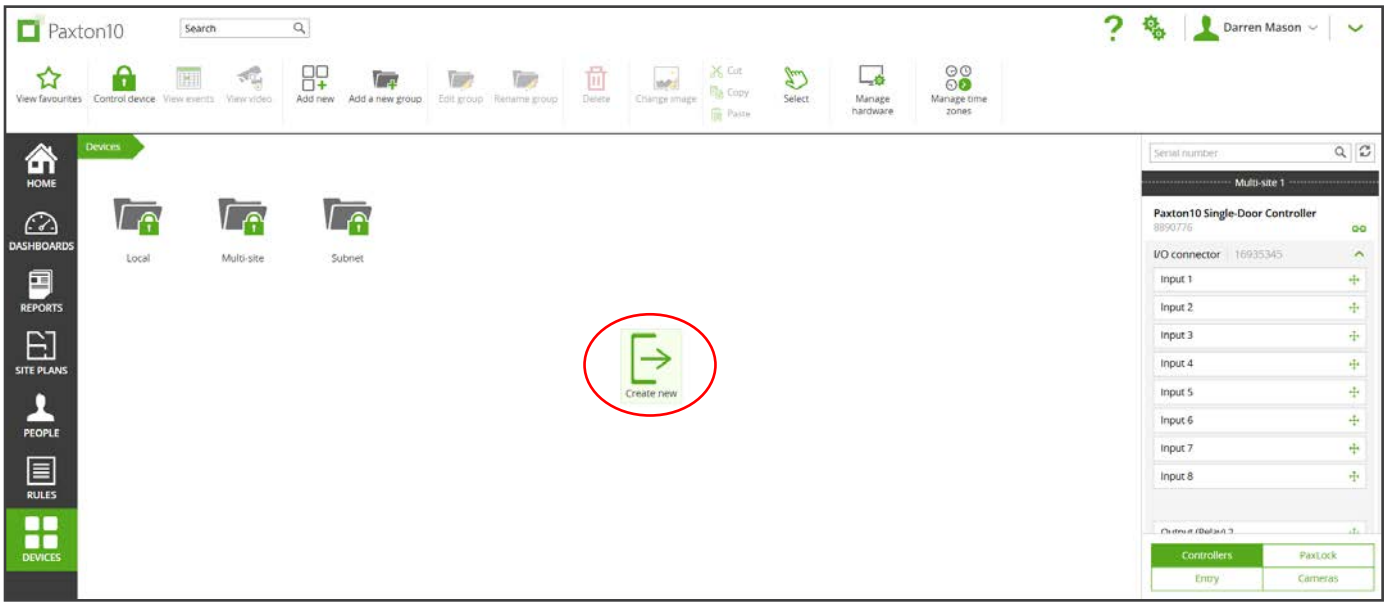
Use this method when the output is physically connected to a Paxton10 I/O Connector.

1. Navigate to the **Devices** section.

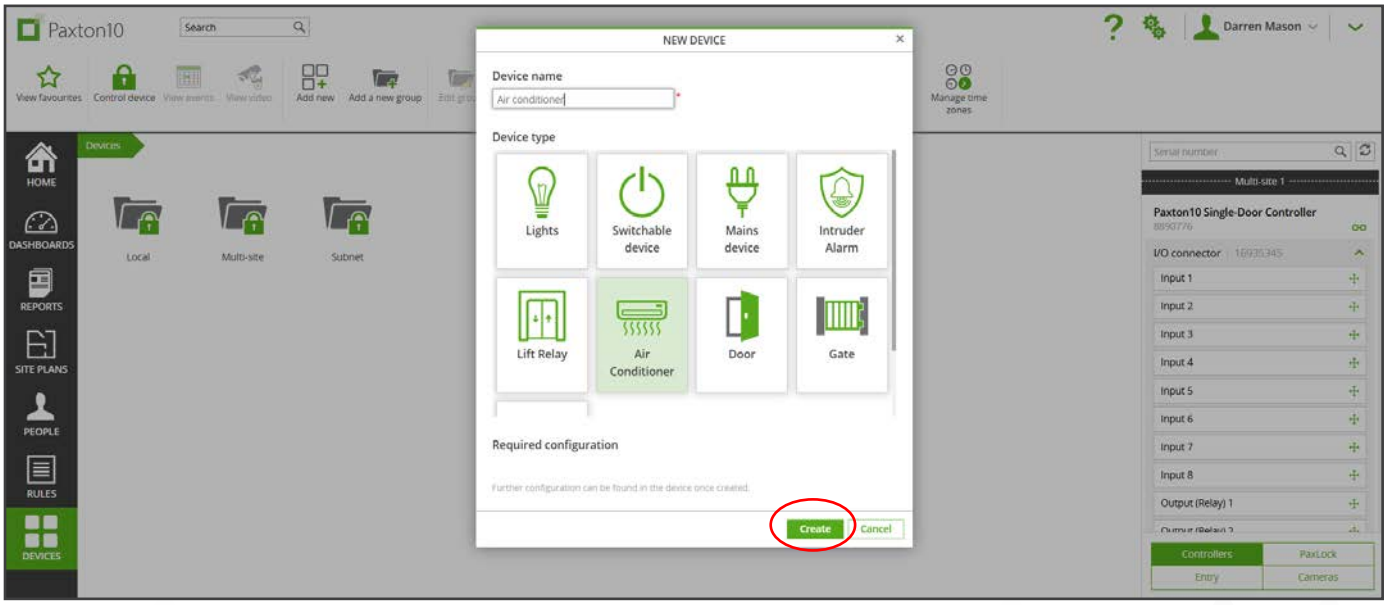


2. On the right-hand side of the screen, locate the **I/O Connector**.

3. Click and drag the required Output from the I/O Connector to an empty space on the left-hand side.



4. Enter a clear name for the output. Choose the device type that best matches the connected appliance.



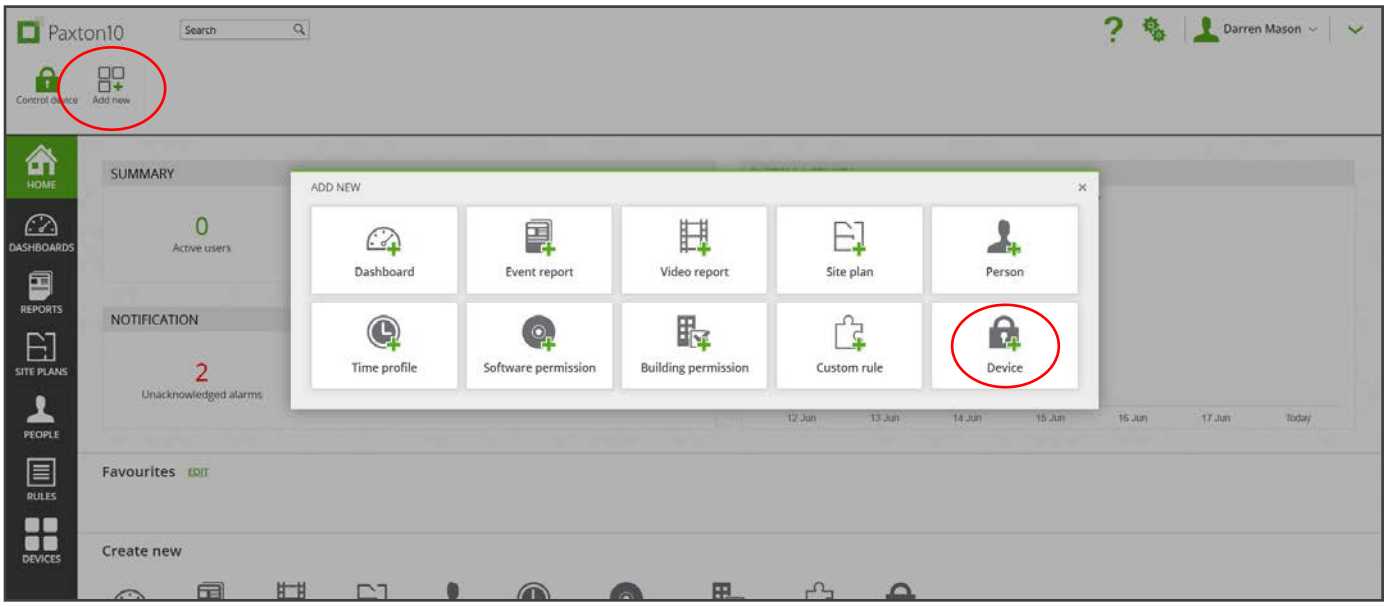
5. Select **Create** to finish adding the output.

The output is created and associated with the selected I/O Connector.

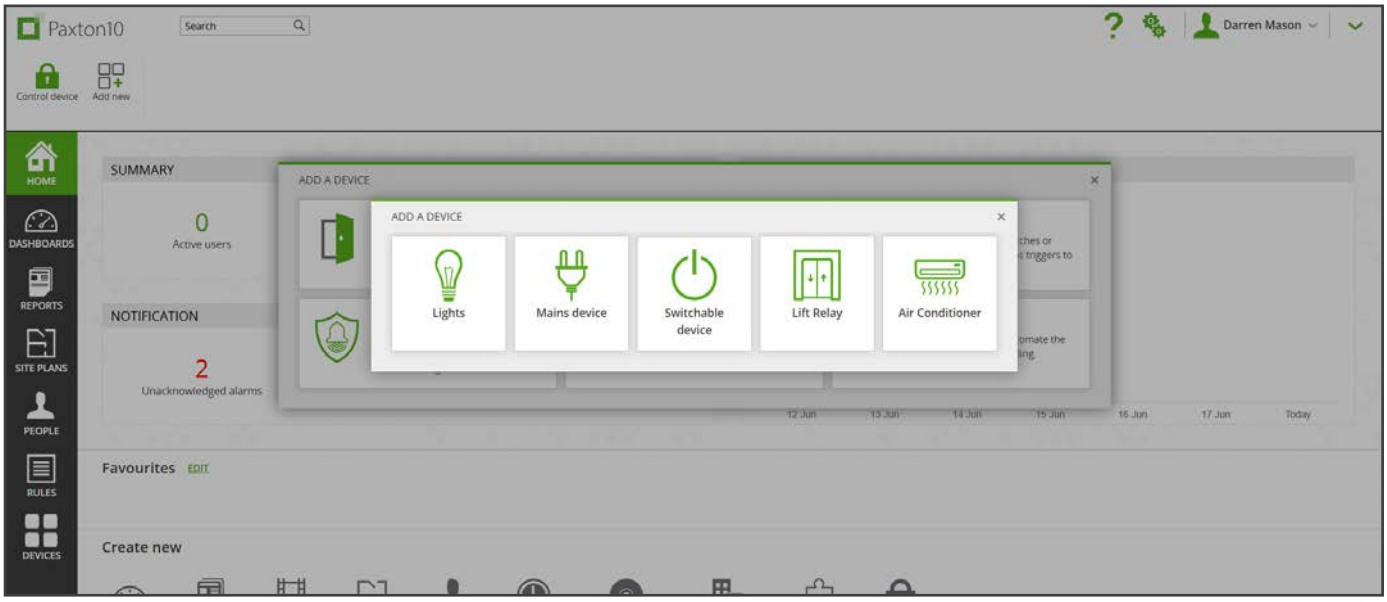
Method B – Add and map a spare output from a controller or Alarm Connector

Use this method when the output is physically wired to a spare output on a controller or Alarm Connector.

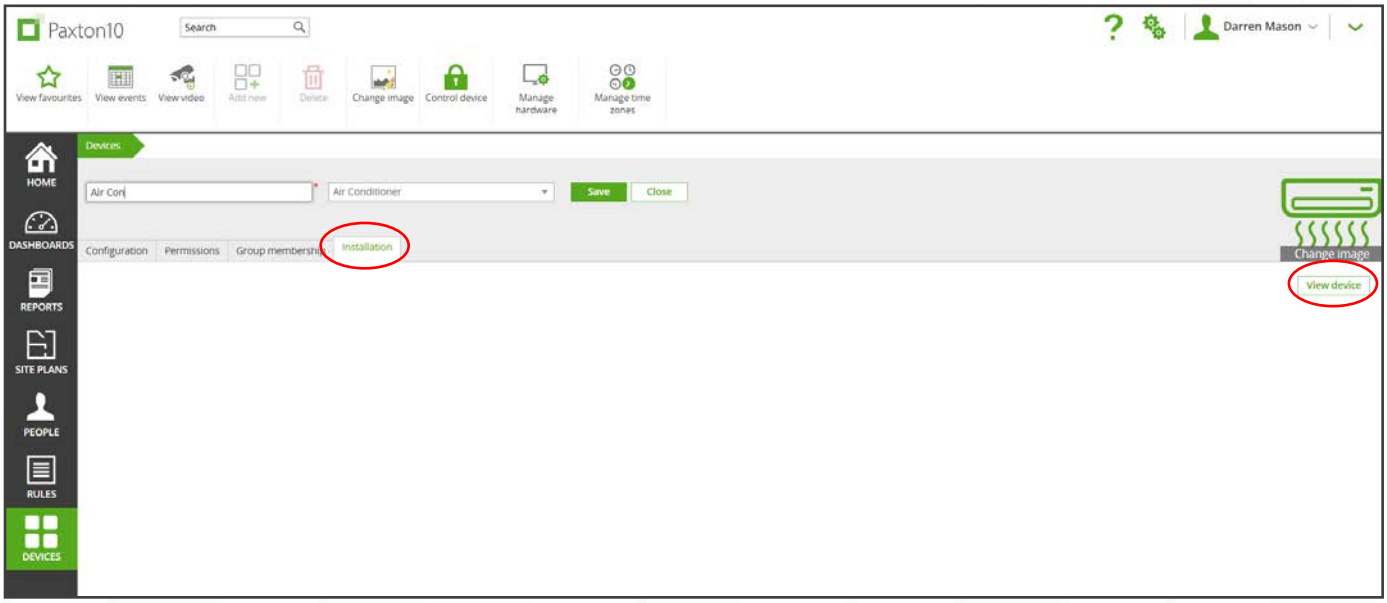
1. From the ribbon, select **Add new**, then select **Device**.



2. Select Output, then choose the device type that best matches the connected appliance.

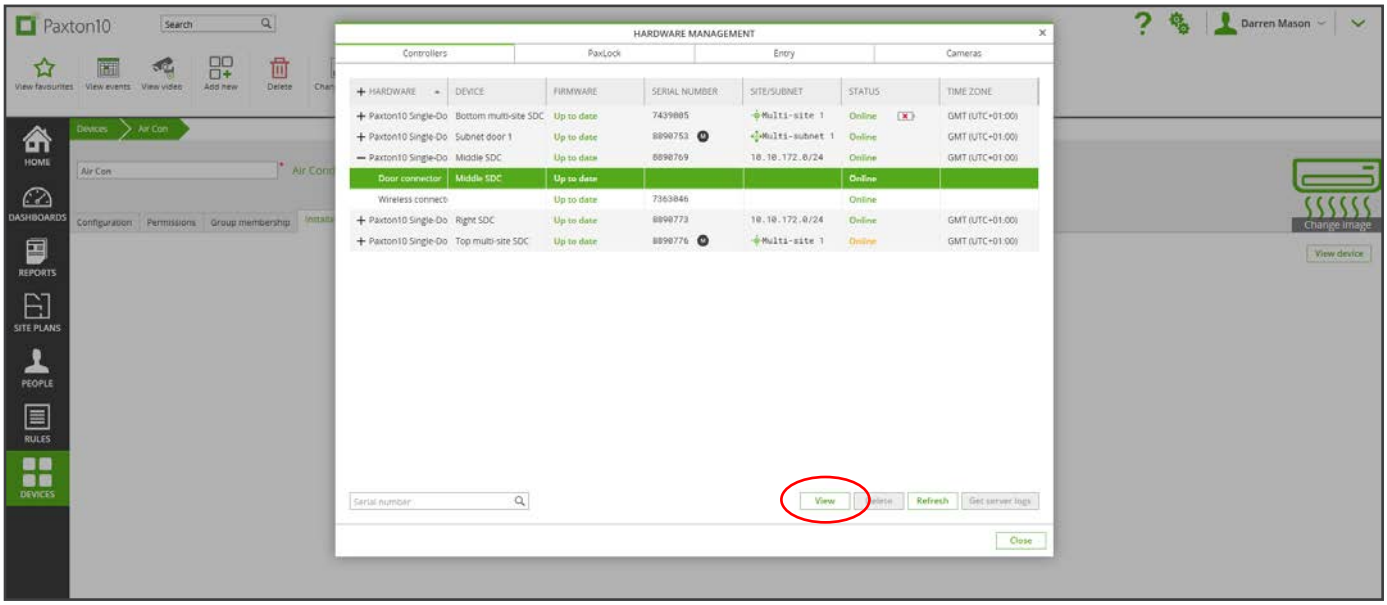


3. Enter a clear name for the output and select **Save**.
4. Open the output device and select the **Installation tab**.

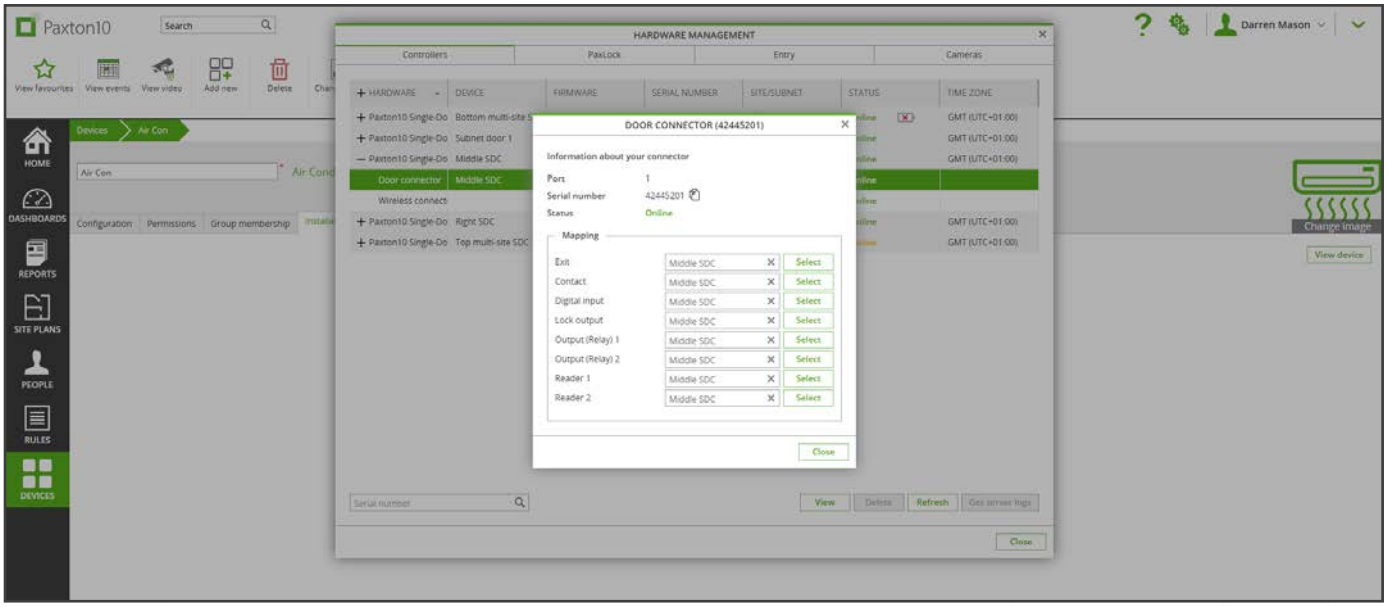


5. On the right-hand side of the screen, select **View device**.

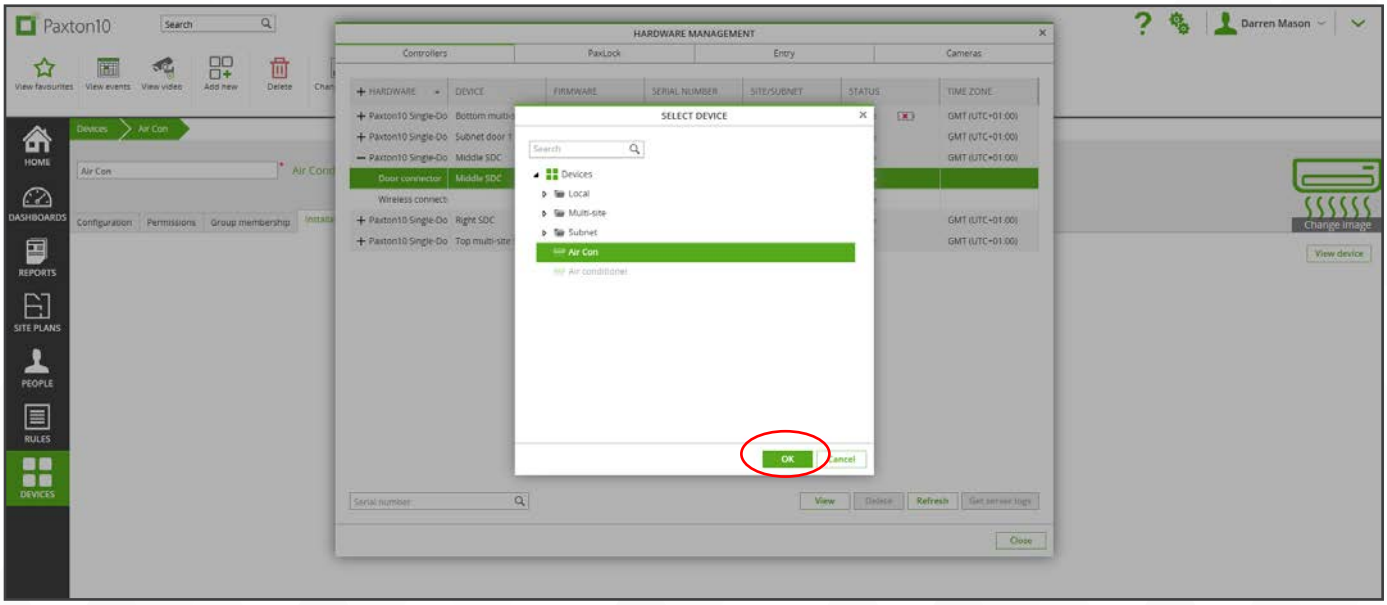
6. Select the connector that the appliance is physically connected to, then select **View**.



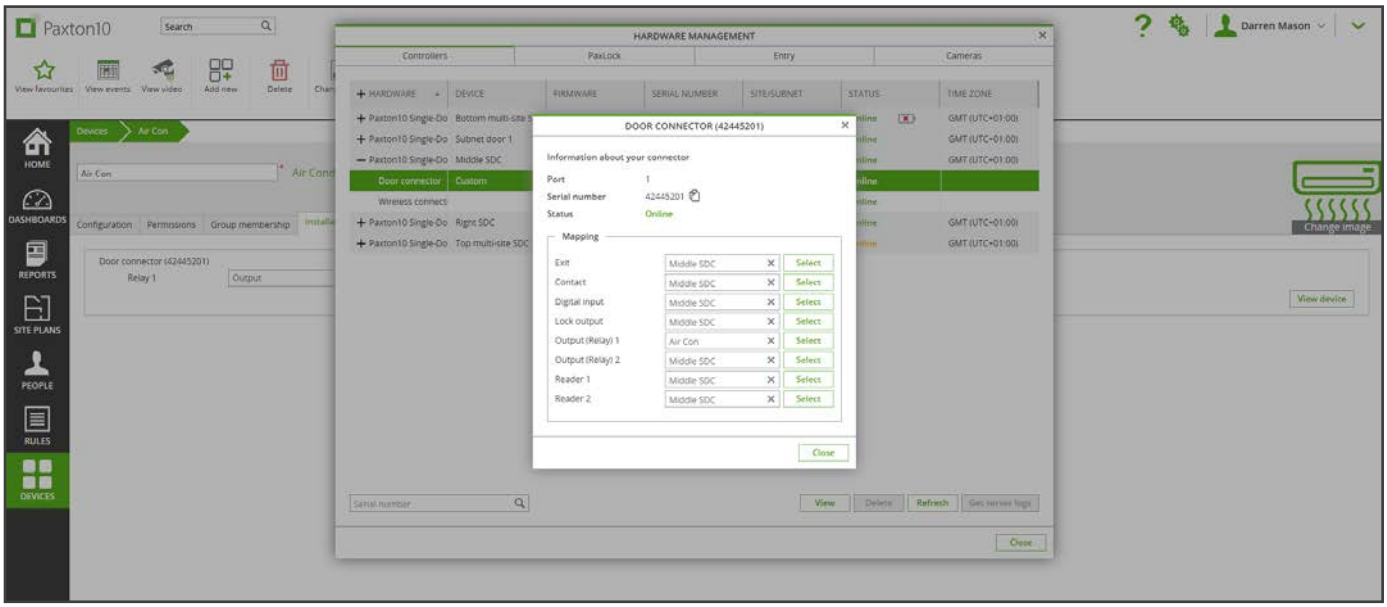
7. On the required spare output, click **Select**.



8. Choose the output device you created from the list, then select **OK**.



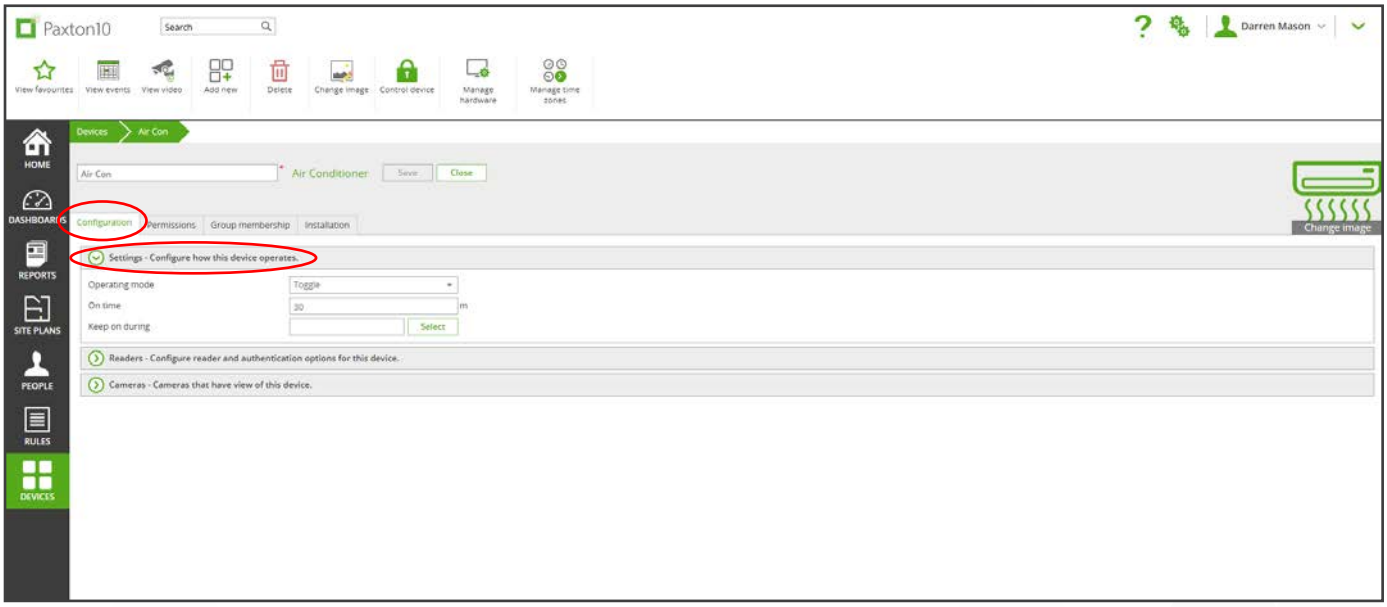
9. Confirm the output appears as mapped on the hardware device.



The output is now mapped to the selected hardware output.

Configure how the output operates

Open the output device and select the **Configuration tab**.
In the **Settings section**, choose how the output should behave when it is triggered.



Setting	Use when you want the output to…
Toggle	Change state each time it is triggered, for example Off to On / On to Off
Momentary	Activate briefly, then return to its original state.
Timed	Activate for a fixed duration, then automatically return to its original state.
Keep on during	Remain active during a selected time profile.

Test the output

- Trigger the output from Paxton10 or from the Custom Rule that will control it.
- Confirm that the connected appliance operates as expected.
- If the appliance does not operate, check the hardware mapping, wiring, output behavior setting and any time profile used by the output.

Frequently Asked Questions

Why is my device grayed out when mapping hardware?

Each device type in Paxton10 can only be mapped to compatible peripheral types. During mapping, Paxton10 only makes compatible devices available for selection.

Which output behavior should I choose?

Choose Toggle for simple on/off control, Momentary for a brief pulse, Timed when the output must automatically reset after a set duration, and Keep on during when the output should follow a time profile.

Can I use the output in a Custom Rule?

Yes. After the output has been created and mapped to hardware, it can be selected in Custom Rules to create site-specific behavior.

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