

How-to Configure elevator control

AXIS Camera Station Pro Secure Entry

November 2025



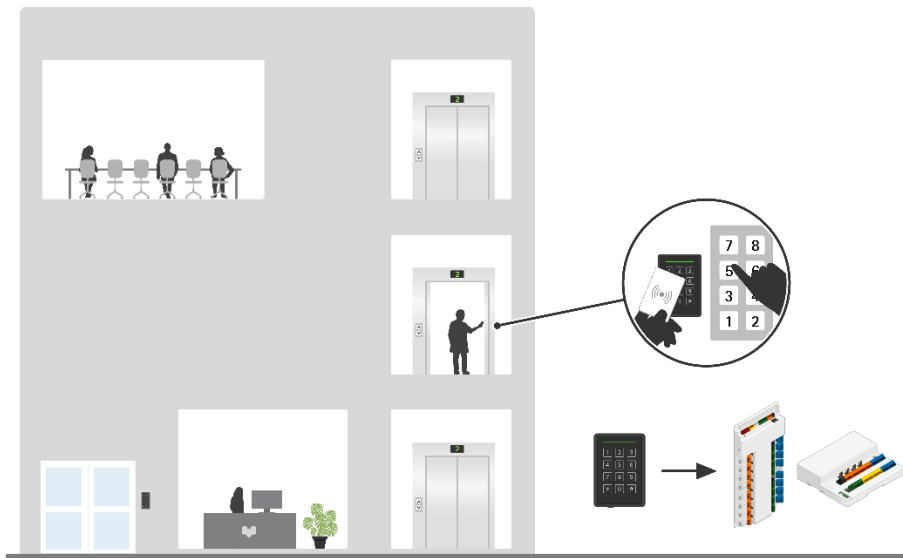
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Introduction

This document will show you how to configure elevator control within AXIS Camera Station Pro Secure Entry using AXIS Network Door Controllers. This feature can support up to 16 floors.

The A9910 can also be added to the Door controllers to expand the available relays to have the ability to add additional floors.



Prerequisites

AXIS Camera Station Pro 6.13

AXIS Network Door Controller FW 12.6.102.1

(Optional) AXIS A9910 I/O Expansion Module

NOTE

Elevator control is only supported on the A1610, A1710 & A1810

Please note that Axis doesn't take any responsibility for how this configuration may affect your system. If the modification fails or if you get other unexpected results, you may have to restore the settings to default.

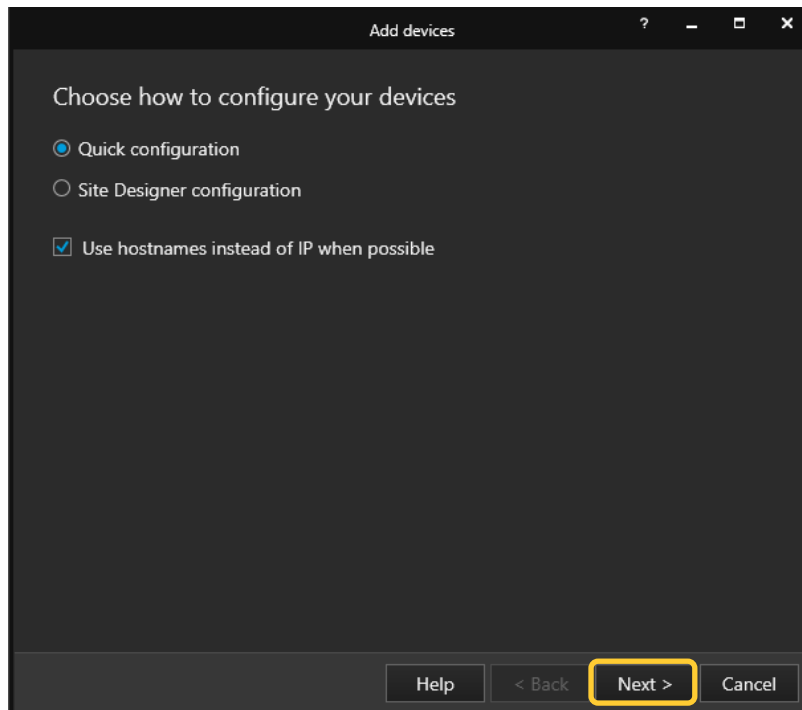
Step 1 – Adding/updating & setting up devices

Start by adding the controllers to Axis Camera Station and ensuring that they are running the latest firmware. For the controllers used we require the use of HTTPS for end-to-end security, these controllers should also use ACS as an NTP.

To add the Controllers

Follow these steps if you need to add the controllers:

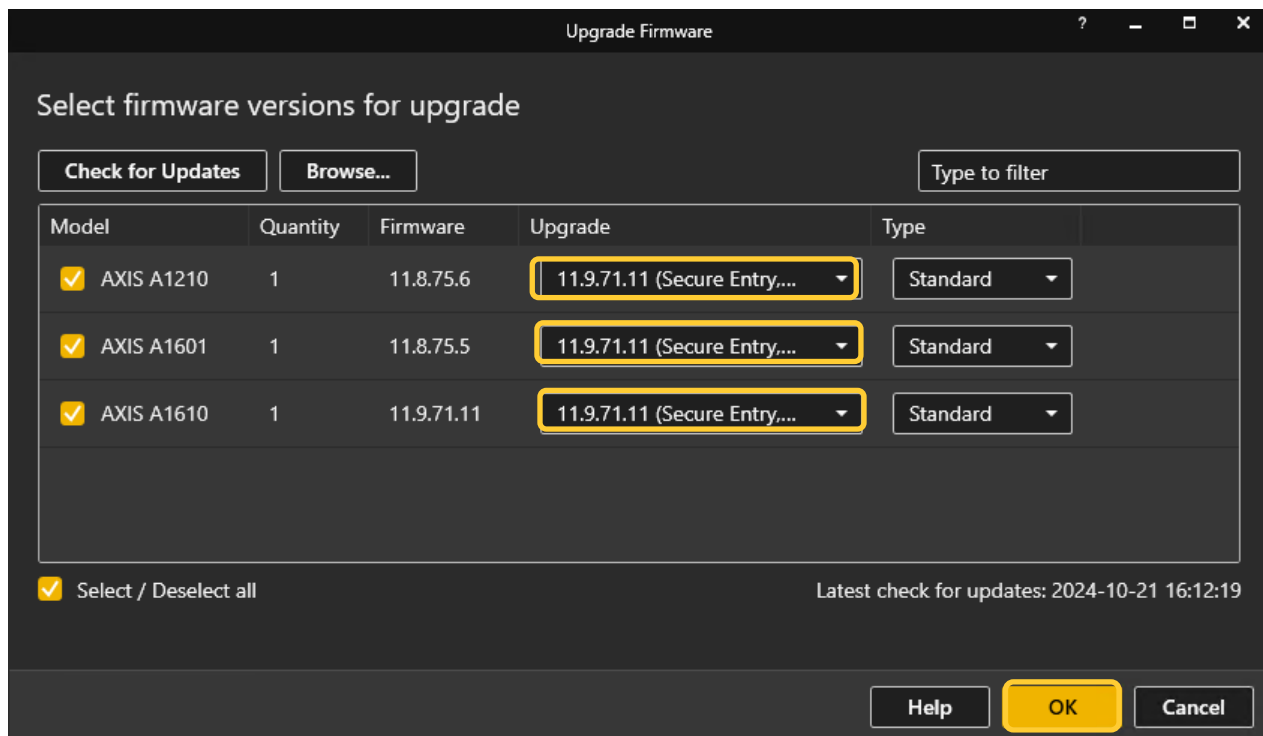
1. In Axis Camera Station open the configuration tab via the “+” symbol found at the top of the screen.
2. From the left menu select “Devices” and under this drop-down select “Add Devices”
3. On this page if the units are in your network, you should see the controllers, if they are missing then you can try do a manual search via the button “Manual Search”. If they still cannot be found, please check the controllers are powered and are on the same network.
4. If the controllers are greyed out, this means they require the password for the unit, this is entered by clicking on the “Enter password” under status for the unit.
5. Once you see the controllers you wish to add, you can hold down the “ctrl” key and select the controllers, then click add found on the bottom left.
6. Follow the pop-up wizard to add these controllers



To update the controllers

Follow these steps to update your devices:

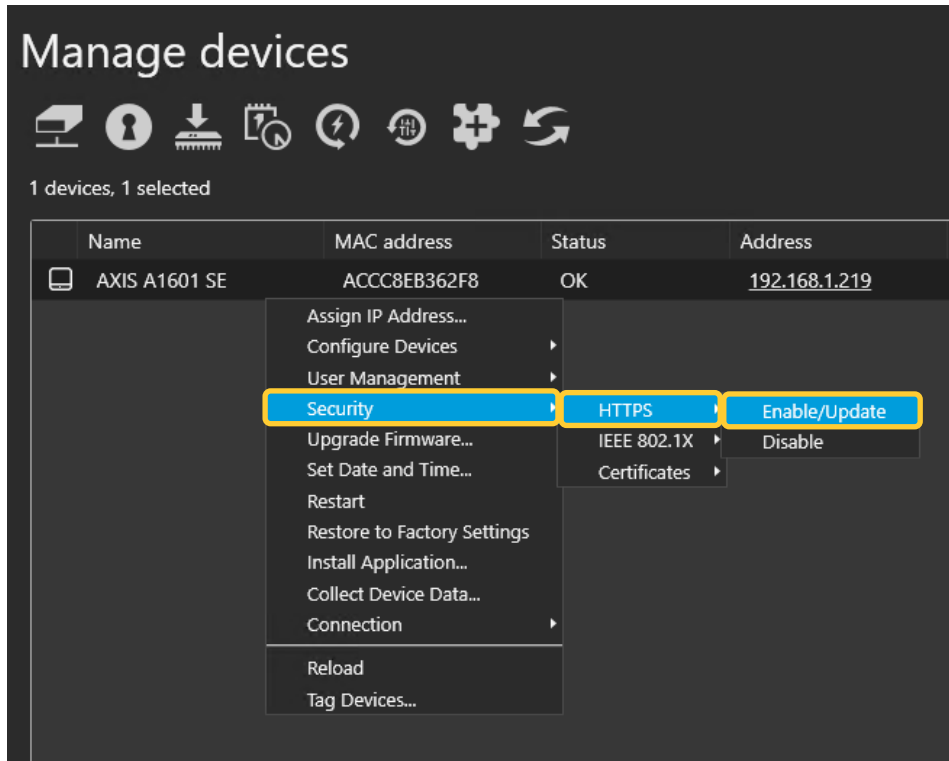
1. In Axis Camera Station open the configuration tab via the “+” symbol found at the top of the screen.
2. From the left menu select “Devices” and under this drop-down select “Management”
3. From this page hold “ctrl” and select the controllers, once selected press the update firmware button.
4. In the popup select the latest firmware, ensure to select the latest Secure Entry track and press “OK”
5. The update can be monitored via the “tasks”



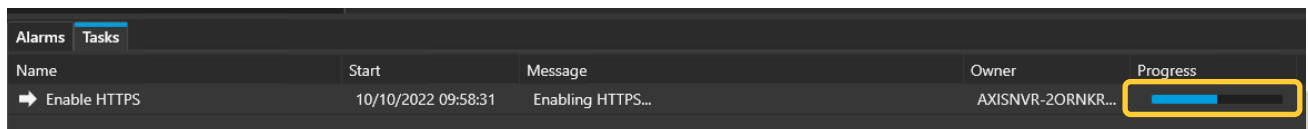
To setup the controllers

Follow these steps to setup your controllers:

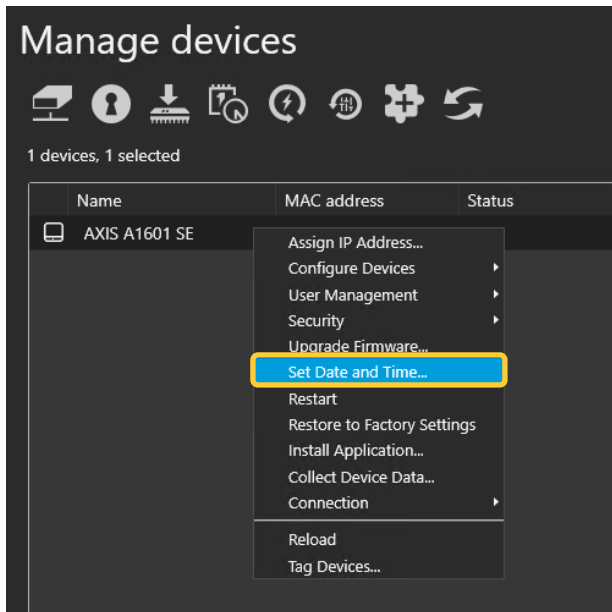
1. In Axis Camera Station open the configuration tab via the “+” symbol found at the top of the screen.
2. From the left menu select “Devices” and under this drop-down select “Management”
3. Right click on the controller and select “Security – HTTPS – Enable/Update”



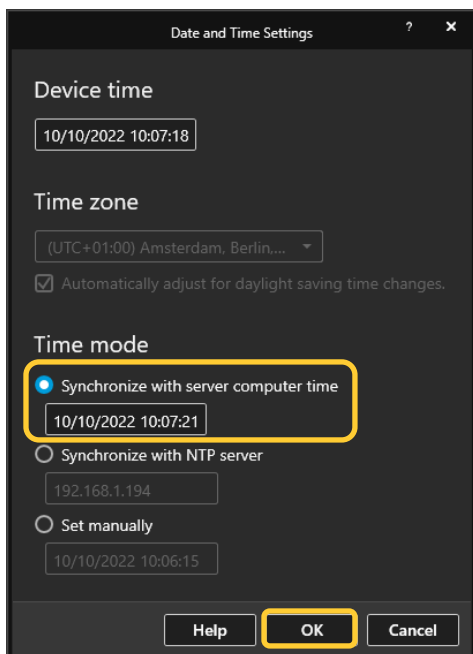
4. This will create a task in the task and alarms, once this has completed, HTTPS is enabled on this device.



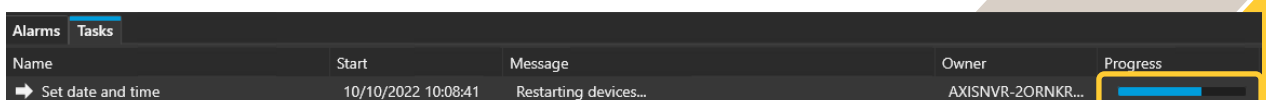
- Next to setup is the time & date on the controller, we do this but right clicking on the device in Devices – Management and selecting “Set Date and Time...”



- In the pop-up select yes, In the next pop-up under “Time Mode” choose the first option, “Synchronize with server computer time”



- This will then add a task in the task and alarms, once completed the time will now be synced with the computer server time.



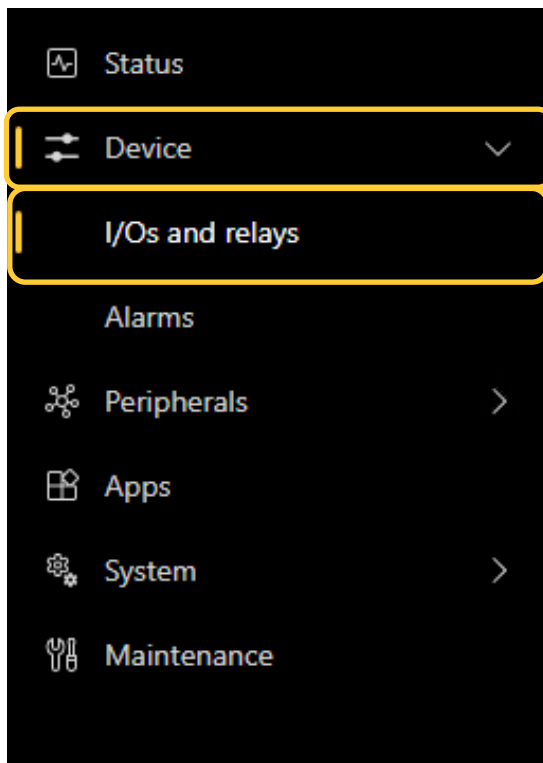
Step 2 (optional) – Adding an A9910 to your controller

To follow these steps please ensure you have wired your A9910 to the controller you wish to use, and set the address of the unit. For help with wiring please see the wiring diagrams found on AXIS.com

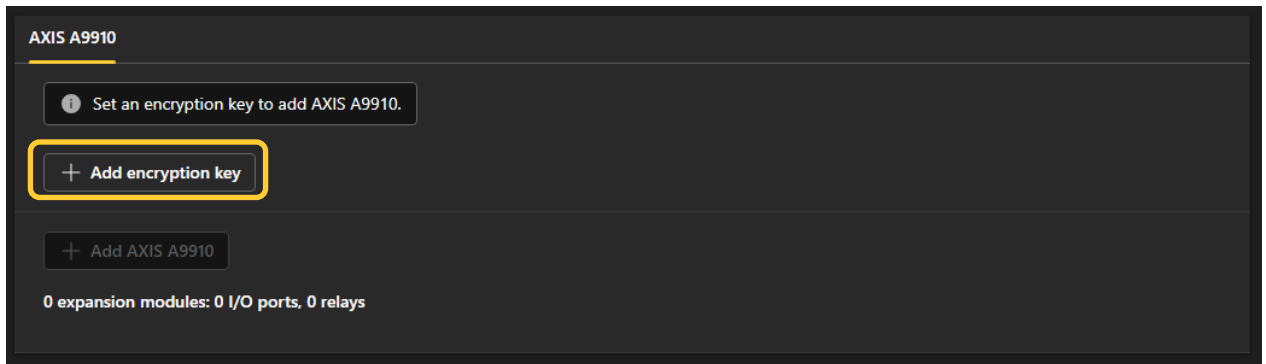
To add the A9910 to your controller

Follow these steps if you need to add the A9910 to your controller:

1. In Axis Camera Station open the configuration tab via the “+” symbol found at the top of the screen.
2. From the left menu select “Devices” and under this drop-down select “Management”
3. Click on the hyperlink of the IP address on the controller that has the AXIS A9910 connected to it. (alternatively, this can be opened via the IP address in your browser)
4. Using the menu expand “Device” then select “I/Os and relays”



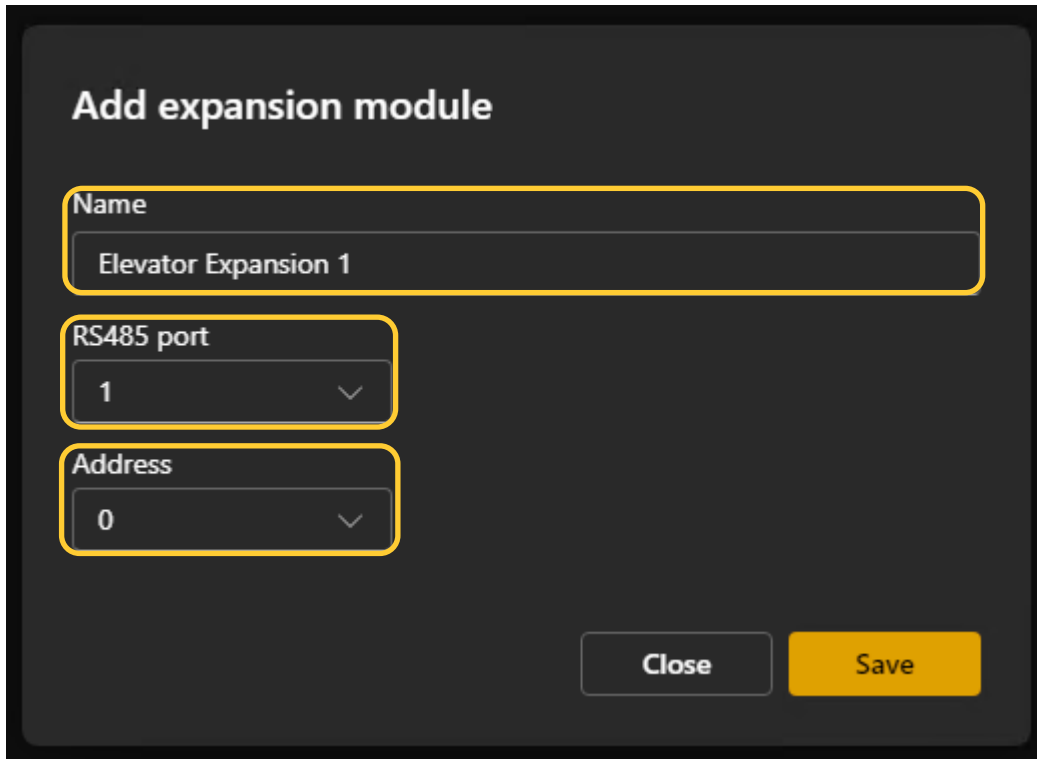
5. On this page set the encryption key by pressing “+ Add encryption key”



6. In the pop-up you can either provide your own 32 character encryption key, or click generate, if you choose to generate you must export the file and store this in a safe location.

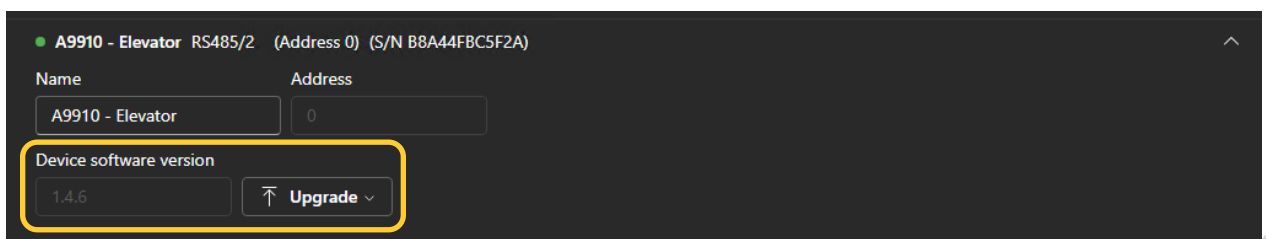


- Next we can add the A9910 devices, click on “+ Add AXIS A9910” in the popup name the unit, select the correct RS485 port and address set.



The screenshot shows a dark-themed dialog box titled "Add expansion module". It contains three input fields, each highlighted with a yellow border: "Name" with the text "Elevator Expansion 1", "RS485 port" with a dropdown menu showing "1", and "Address" with a dropdown menu showing "0". At the bottom right, there are two buttons: "Close" and "Save".

- You should now see the A9910 shown with a green status light, expand the menu. Check the device software, if this is an older version you can press upgrade and either use the bundled firmware from the controller or upload the file.



The screenshot shows the configuration page for an "A9910 - Elevator" device. The header includes the device name, RS485/2 port, address (0), and serial number (S/N B8A44FBC5F2A). Below the header, there are two input fields: "Name" with the text "A9910 - Elevator" and "Address" with the text "0". At the bottom, there is a "Device software version" section with a dropdown menu showing "1.4.6" and an "Upgrade" button with a dropdown arrow.

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9. Finally you can name the I/Os and relays to be able to recognise them when creating floors. As each additional AXIS A9910 you add will have the same naming for the I/Os and relays. Alternatively these relays can also be added to AXIS Camera Station Pro via the “Configuration” tab under “Recording and events” then “I/O ports”

AXIS A9910

✓ Encryption enabled

+ Add AXIS A9910

1 expansion modules: 8 I/O ports, 4 relays

A9910 - Elevator RS485/2 (Address 0) (S/N B8A44FBC5F2A)

Name

A9910 - Elevator

Address

0

Device software version

1.4.6

↑ Upgrade

I/Os

● IO1 (I/O 1)
Input

● IO2 (I/O 2)
Input

● IO3 (I/O 3)
Input

● IO4 (I/O 4)
Input

● IO5 (I/O 5)
Input

● IO6 (I/O 6)
Input

● IO7 (I/O 7)
Input

● IO8 (I/O 8)
Input

Relays

● Floor 1 (Relay 1)

Floor 1 ☐

Name

Floor 1

Direction

● Floor 2 (Relay 2)

● Floor 3 (Relay 3)

● Floor 4 (Relay 4)

⌵ Delete

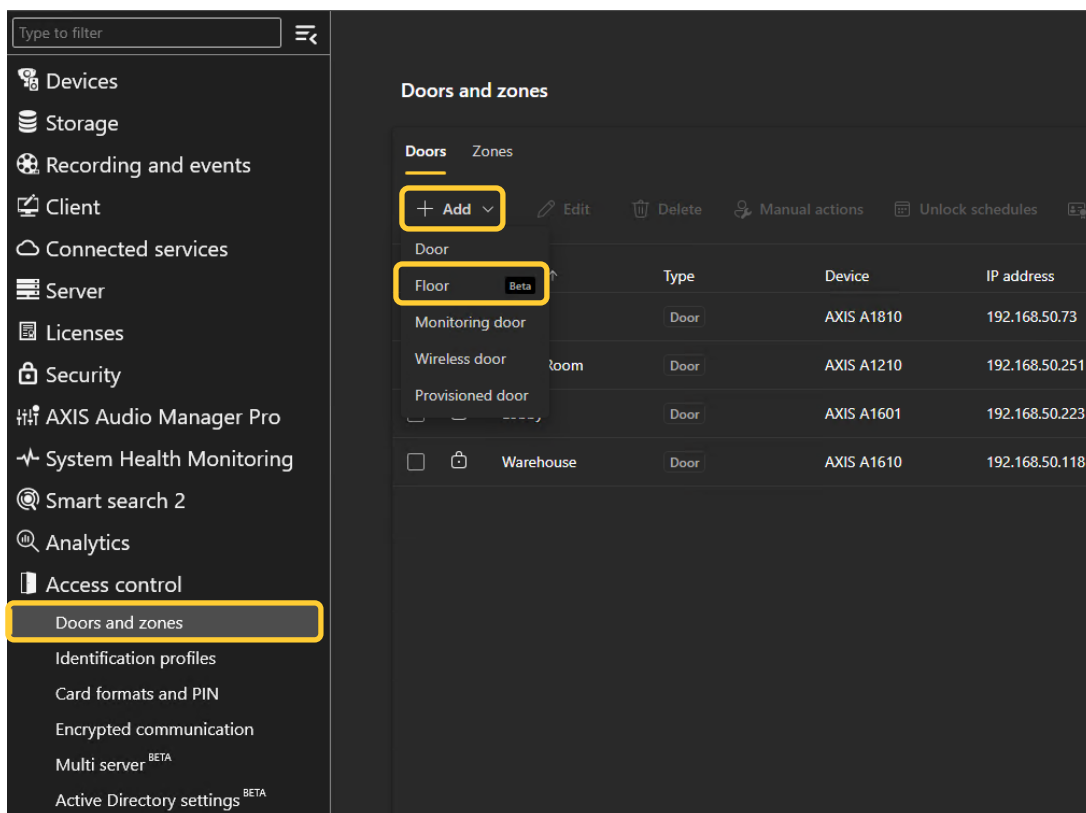
Step 3 – Creating floor(s) and elevators

These steps will show you how to create floor(s) and elevators for elevator control.

To create floor(s) and elevators

Follow these steps to create floor(s) and elevators:

1. In Axis Camera Station open the configuration tab via the “+” symbol found at the top of the screen.
2. Expand the “Access control” section and select “Doors and zones” in this page select the “+ Add” button, in the dropdown menu select “Floor”



3. In the popup window name the floor, select the controller and choose the connected elevator, as this is the first floor we have created, you will see a message stating “no elevators!” so press the “+Add new elevator” in this popup give the elevator a name and press next.

New floor
Create a new floor configuration.

Name
Floor 1

Device
AXIS A1610: 192.168.50.118 (1 door)

Elevator
Select elevator
+ Add new elevator
No elevators! Click the + Add new elevator

Create new elevator

Elevator name
West Elevator

Next Cancel

4. Now you can configure the floor, on “Side A” you can only add a reader to control the elevator. Note that you cannot add any device to “Side B” as this would be controlling leaving the elevator.

Doors > Edit floor

Overview Door settings

Device	IP address	Type	Security levels	Unlock schedules
AXIS A1610	192.168.50.118	Floor		

Elevator name: West Elevator Floor name: Floor 1

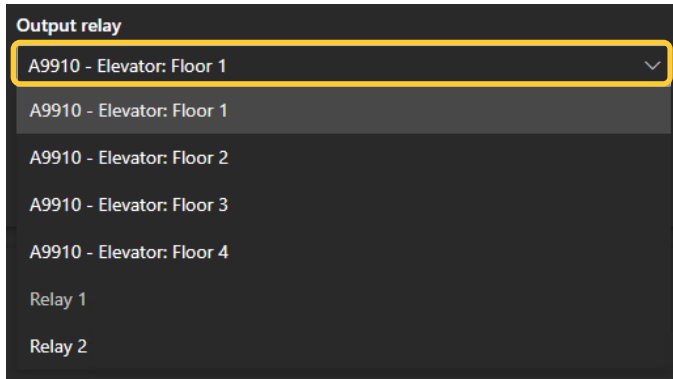
Identification profile: Card Output relay: A9910 - Elevator: Floor 1

Side A
+ Add
Card reader

Side B
+ Add

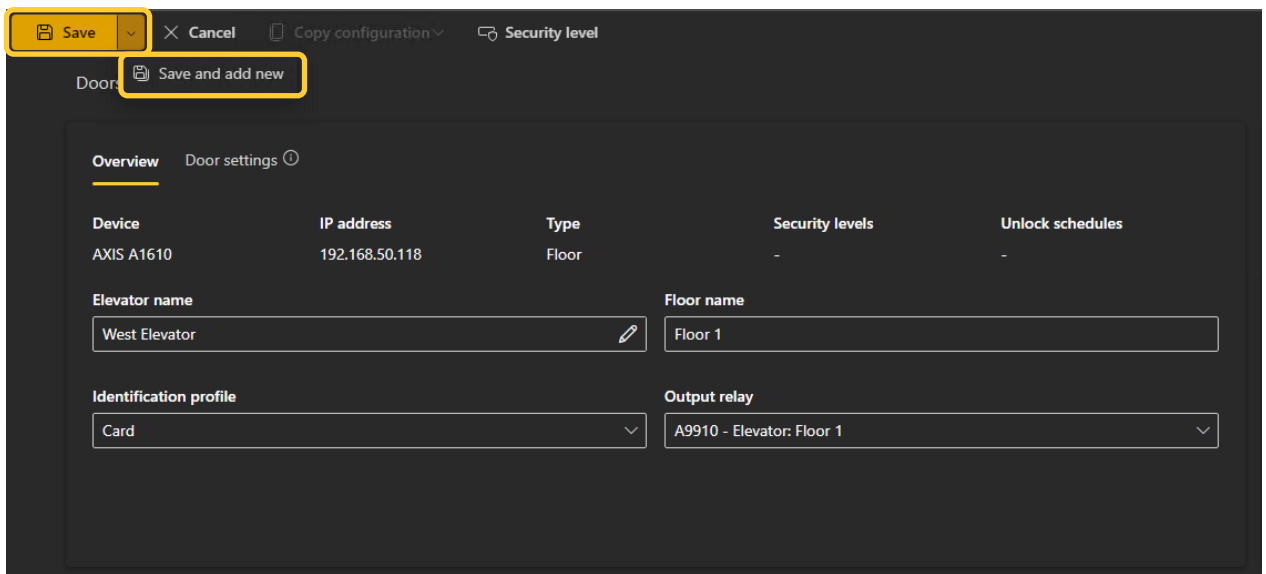
Sensors
+ Add Edit Remove

5. If you chose to add an AXIS A9910 to your controller, you can see the available relays on the “Output relay”



The screenshot shows a dropdown menu titled "Output relay". The selected option is "A9910 - Elevator: Floor 1". Below the dropdown, a list of available relays is shown: "A9910 - Elevator: Floor 1", "A9910 - Elevator: Floor 2", "A9910 - Elevator: Floor 3", "A9910 - Elevator: Floor 4", "Relay 1", and "Relay 2".

6. Once configured, you can either “Save” and go back to the “Doors and zones” table. Or if you wish to continue creating the next floors on the same elevator and sharing the same reader resource, you can press “Save and add new” and continue directly. (This is only available if the controller has at least one free relay remaining.)



The screenshot shows the "Door settings" configuration page. At the top, there are buttons for "Save", "Cancel", "Copy configuration", and "Security level". Below these is a "Save and add new" button. The main configuration area is divided into two tabs: "Overview" (selected) and "Door settings". The "Overview" tab contains a table with the following data:

Device	IP address	Type	Security levels	Unlock schedules
AXIS A1610	192.168.50.118	Floor	-	-

Below the table, there are two sections: "Elevator name" and "Floor name". The "Elevator name" section has a text input field with "West Elevator" and an edit icon. The "Floor name" section has a text input field with "Floor 1". Below these, there are two sections: "Identification profile" and "Output relay". The "Identification profile" section has a dropdown menu with "Card" selected. The "Output relay" section has a dropdown menu with "A9910 - Elevator: Floor 1" selected.

- After making all floors you will be able to see these from the “Doors and zones” table. The naming convention is elevator name followed by the name of the floor. And they will be marked with the “floor” and “Beta” tags.

Doors and zones									
Doors Zones									
+ Add Edit Delete Manual actions Unlock schedules Identification profile Pin chart Secure Channel									
☐	Name ↑	Type	Device	IP address	Side A	Side B	Identification profile	Battery	Status
☐	Gate	Door	AXIS A1810	192.168.50.73	-	-	License plate	-	Online
☐	Guest Room	Door	AXIS A1210	192.168.50.251	-	-	Card	-	Online
☐	Lobby	Door	AXIS A1601	192.168.50.223	-	-	Card	-	Online
☐	Warehouse	Door	AXIS A1610	192.168.50.118	-	-	PIN	-	Online
☐	West Elevator - Floor 1	Floor Beta	AXIS A1610	192.168.50.118	-	-	Card	-	Online
☐	West Elevator - Floor 2	Floor Beta	AXIS A1610	192.168.50.118	-	-	Card	-	Online

Considerations and limitations

1. The A1601 and A1210 do not support elevator control.
2. This feature is marked as Beta, as on initial release, we will support 16 floors.
3. Only a card reader can be used with elevator control.
4. When creating an elevator on a new controller, it is not possible to see the existing elevator names in the menu.