Grodan Quick Guide

GroSens 2.2: e-Gro Companion Desktop Viewer for GroSens

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TABLE OF CONTENTS

e-Gro Companion App: Features of desktop viewer & companion app

e-Gro Companion App

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e-Gro companion: features of desktop viewer & companion app

e-Gro Companion App is the software for GroSens

- Consists of desktop viewer and mobile app

Desktop viewer runs local and in cloud – same functionality in both cases

- Cloud is accessible everywhere via internet
- Local desktop viewer connects to bridge via LAN (no internet connection required)

Desktop viewer main function is data viewing

- Use large computer screen for detailed analysis & comparison of graphs

Mobile app main function is managing the sensor network

- General user and system settings
- User management (adding/removing users)
- Hardware & facility management

Simple alerts possible (extensive alerts in e-Gro Essential)

- min-max value per sensor value
- Settings in desktop – In case values are outside the specified range you get a push notification in the mobile app

	GroSens 2	
	e-Gro companion	
	desktop viewer (local/cloud)	mobile app
user settings		
Metric/Imperial (=C/F)		M/I
language	follows browser	UK/NL/FR/PL
time zone		facility based
system settings		
system back-up		x
user management		x
cloud services (APIs)		+, - , ST
hardware management		
bridge/smartbox	+, UP (Smartbox)	+, -, R, ST
gateway / receiver	+, -, ST	+, -, ST
sensors	-, AS, ST	+, -, AS, ST, UP
converter	+, -, AS, ST	+, -, AS, ST
facility management		
sections/rooms	+, -	+, -
tables/gutters	-	-
slab type	per section/room	per section/room
data viewer		
view sensors/averages	<= 7	1
time axis	1.5/3/7/30 days	1.5 days
adjustable y-axis	all graphs	
photoperiod	natural & artificial	
data export	180 days	
alerts		
min/max sensor values	WC/EC/T/RH/CO2	
sensor value changes	ΔWC/hr	
push notitications	HW & sensor alerts	HW & sensor alerts

+ = add; - = remove

R = reset; ST = status only (no editing)

AS = assign; UP = update

Changeable
Fixed

Table displays the different possibilities in the mobile app compared to desktop viewer

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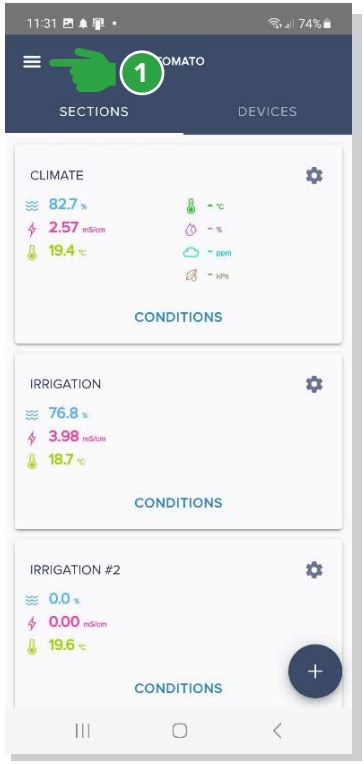
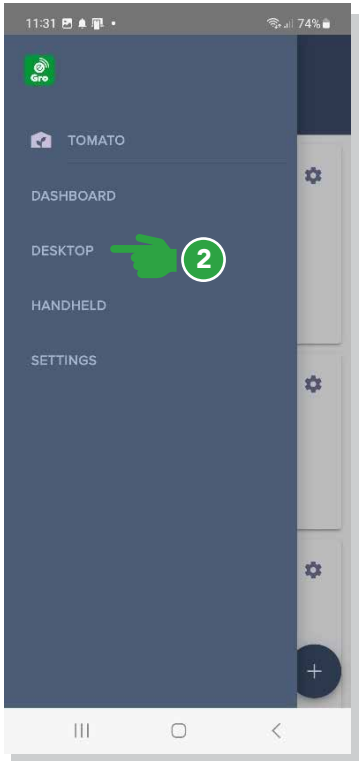
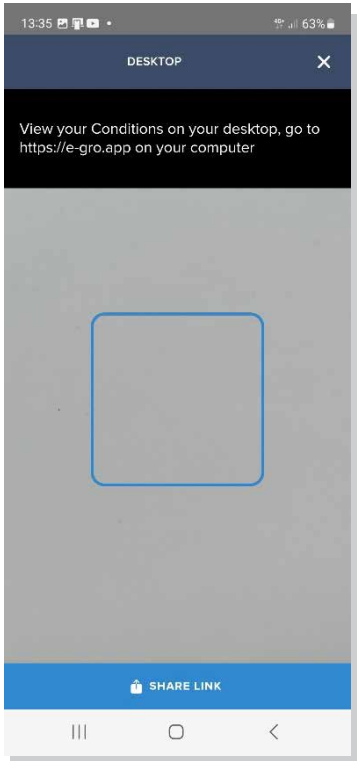
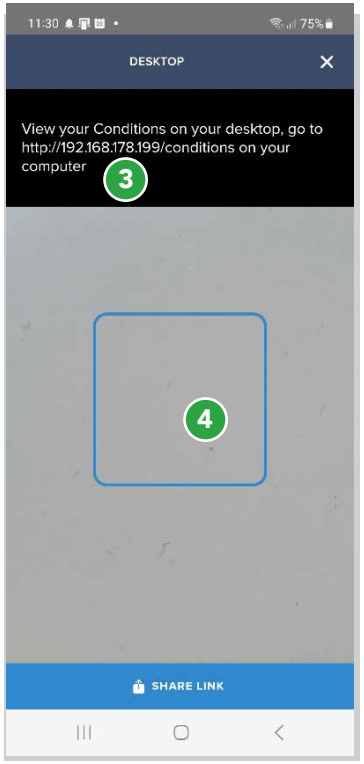
Desktop Viewer: how to connect to the Desktop Viewer









1. Press the hamburger menu [three lines]
2. Press DESKTOP
3. Depending whether your phone is connected to the local network (of the bridge) or the internet, the app will advice you to connect to the IP address via your browser or to https://e-gro.app
4. Scan QR code on the web page (see next slide)

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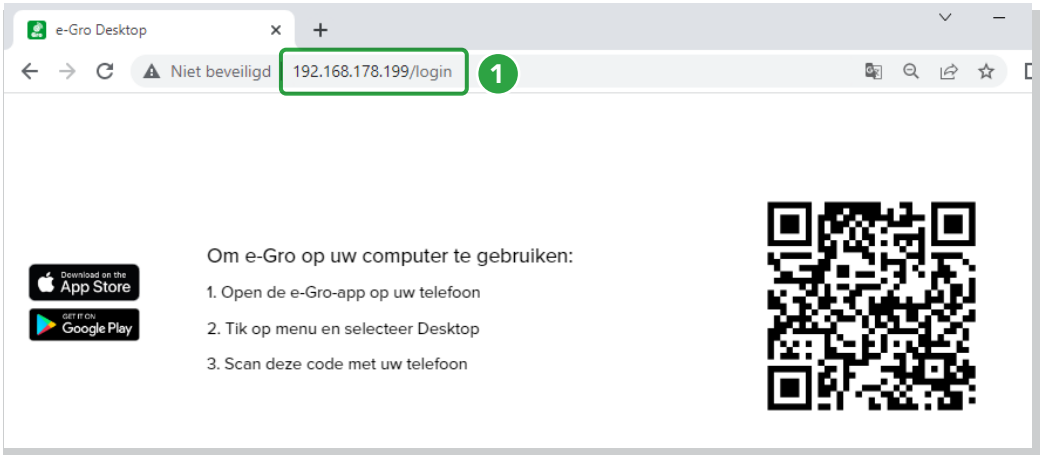
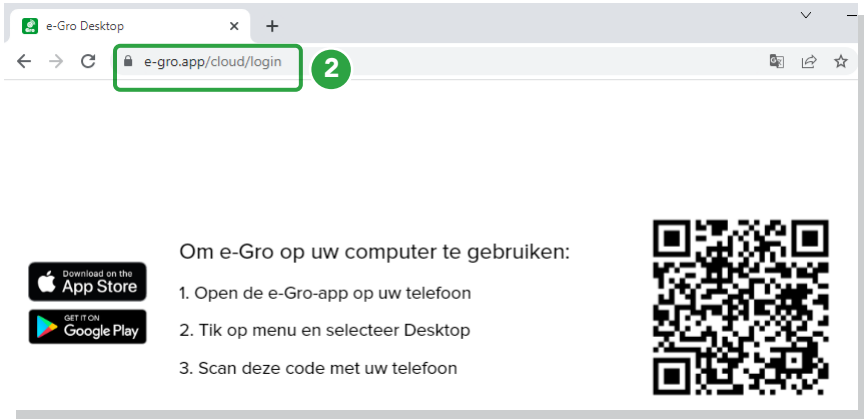
Desktop Viewer: opening Bridge web page in your internet browser (google chrome is recommended)

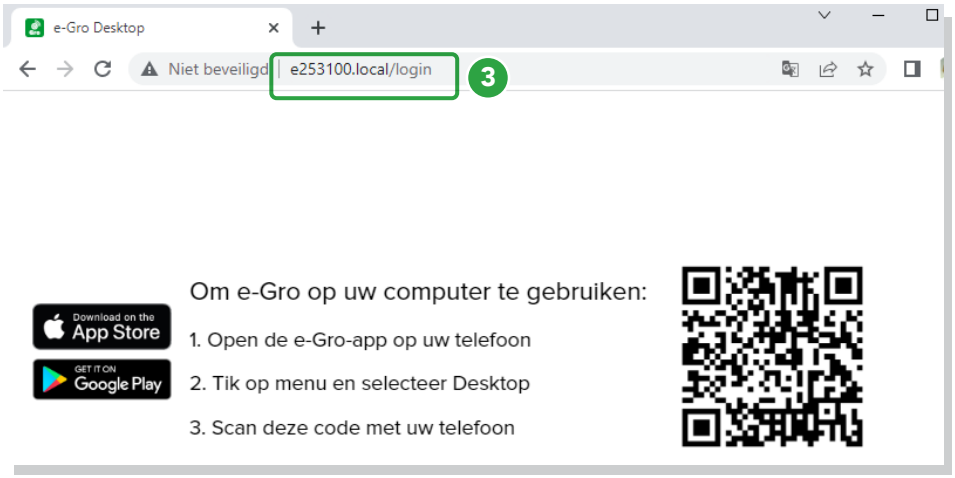


1. Via IP address. Most reliable if you are on the same network as the bridge (wifi and wired). If IP address of the bridge changes, you need to change this address also!

2. Via https://e-gro.app. Recommended if you are not on the same network as the bridge. Needs on a working internet connection of both your PC and the bridge

3. Via bridgename.local (bridge name can be found on the back of the bridge: E or BR + 6 digits). Recommended if you have a wired ethernet connection to the bridge





Desktop Viewer – hardware & facility management

	GroSens 2	
	e-Gro companion	
	desktop viewer (local/cloud)	mobile app
user settings		
Metric/Imperial (=C/F)		M/I
language	follows browser	UK/NL/FR/PL
time zone		facility based
system settings		
system back-up		x
user management		x
cloud services (APIs)		+, - , ST
hardware management		
bridge/smartbox	+, UP (Smartbox)	+, -, R, ST
gateway / receiver	+, -, ST	+, -, ST
sensors	-, AS, ST	+, -, AS, ST, UP
converter	+, -, AS, ST	+, -, AS, ST
facility management		
sections/rooms	+, -	+, -
tables/gutters	-	-
slab type	per section/room	per section/room
data viewer		
view sensors/averages	<= 7	1
time axis	1.5/3/7/30 days	1.5 days
adjustable y-axis	all graphs	
photoperiod	natural & artificial	
data export	180 days	
alerts		
min/max sensor values	WC/EC/T/RH/CO2	
sensor value changes	ΔWC/hr	
push notifications	HW & sensor alerts	HW & sensor alerts

+ = add; - = remove

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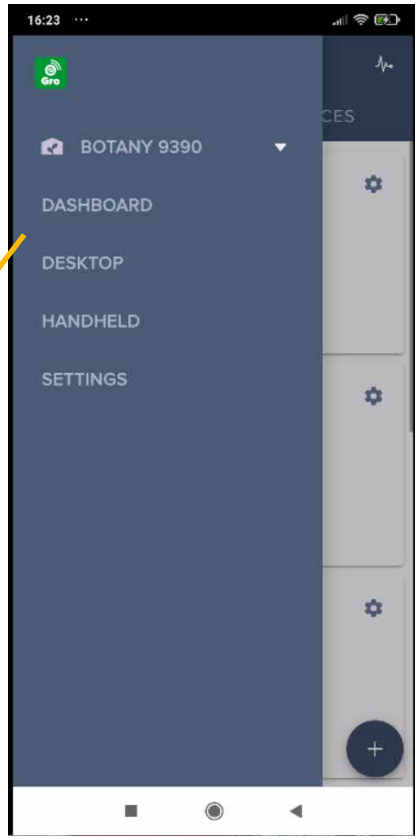
AS = assign; UP = update

Changeable
Fixed

Table displays the different possibilities in the mobile app compared to desktop viewer



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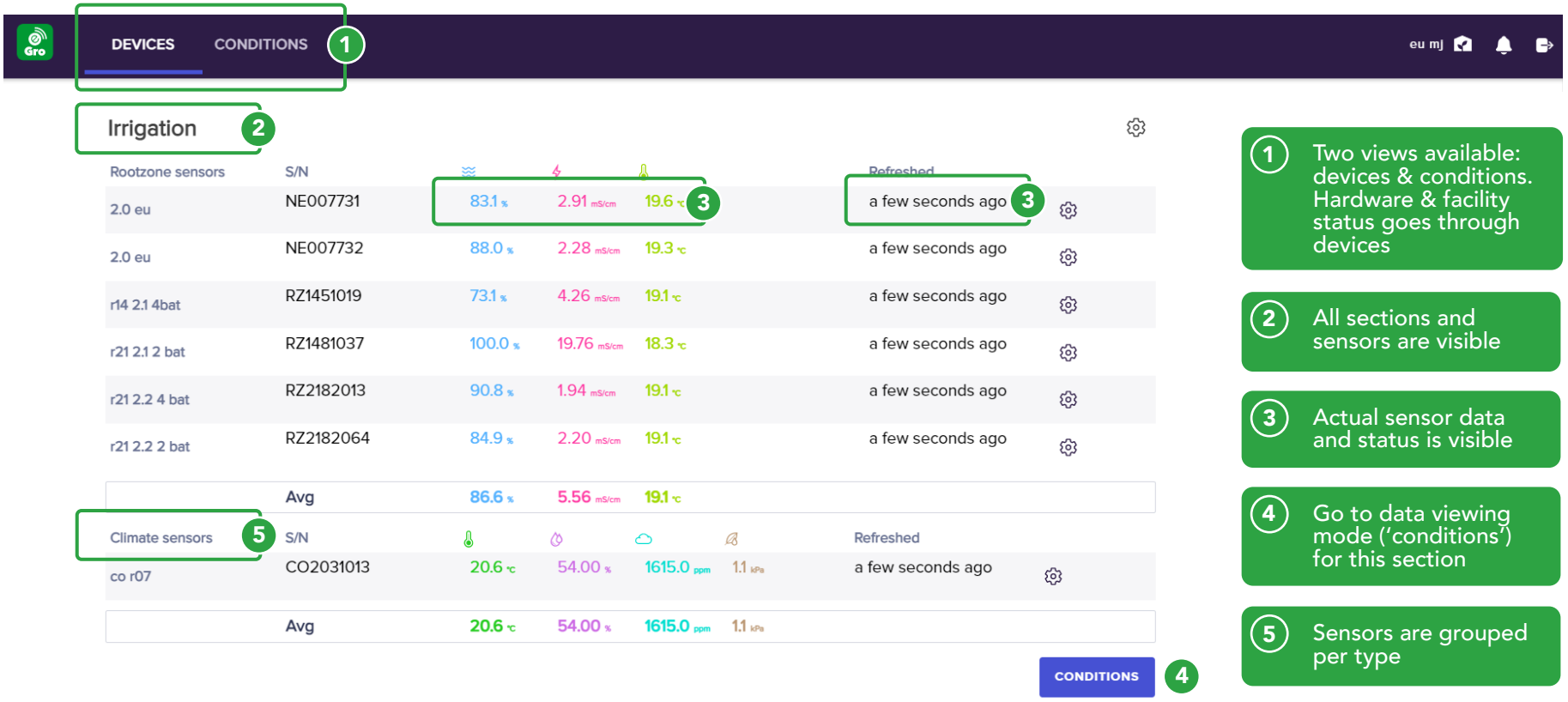
Desktop Viewer: hardware & facility status



1. Two views available: devices & conditions. Hardware & facility status goes through devices
2. All sections and sensors are visible
3. Actual sensor data and status is visible
4. Go to data viewing mode ('conditions') for this section
5. Sensors are grouped per type

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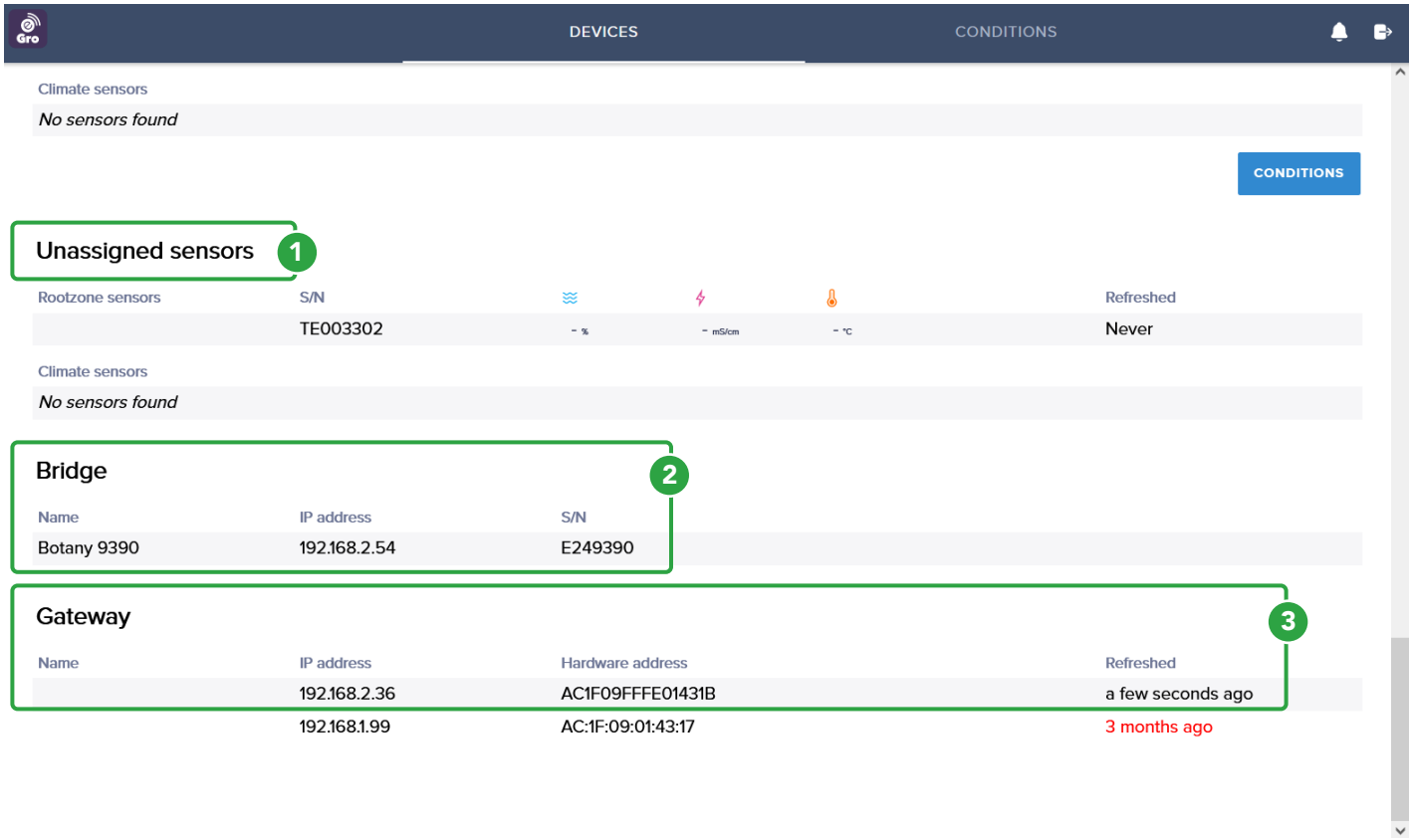
Desktop Viewer: hardware & facility status



1. Sensors which are not assigned to a section
2. Name, IP address and serial number of bridge is visible
3. Name, IP address, hardware address and status of gateway

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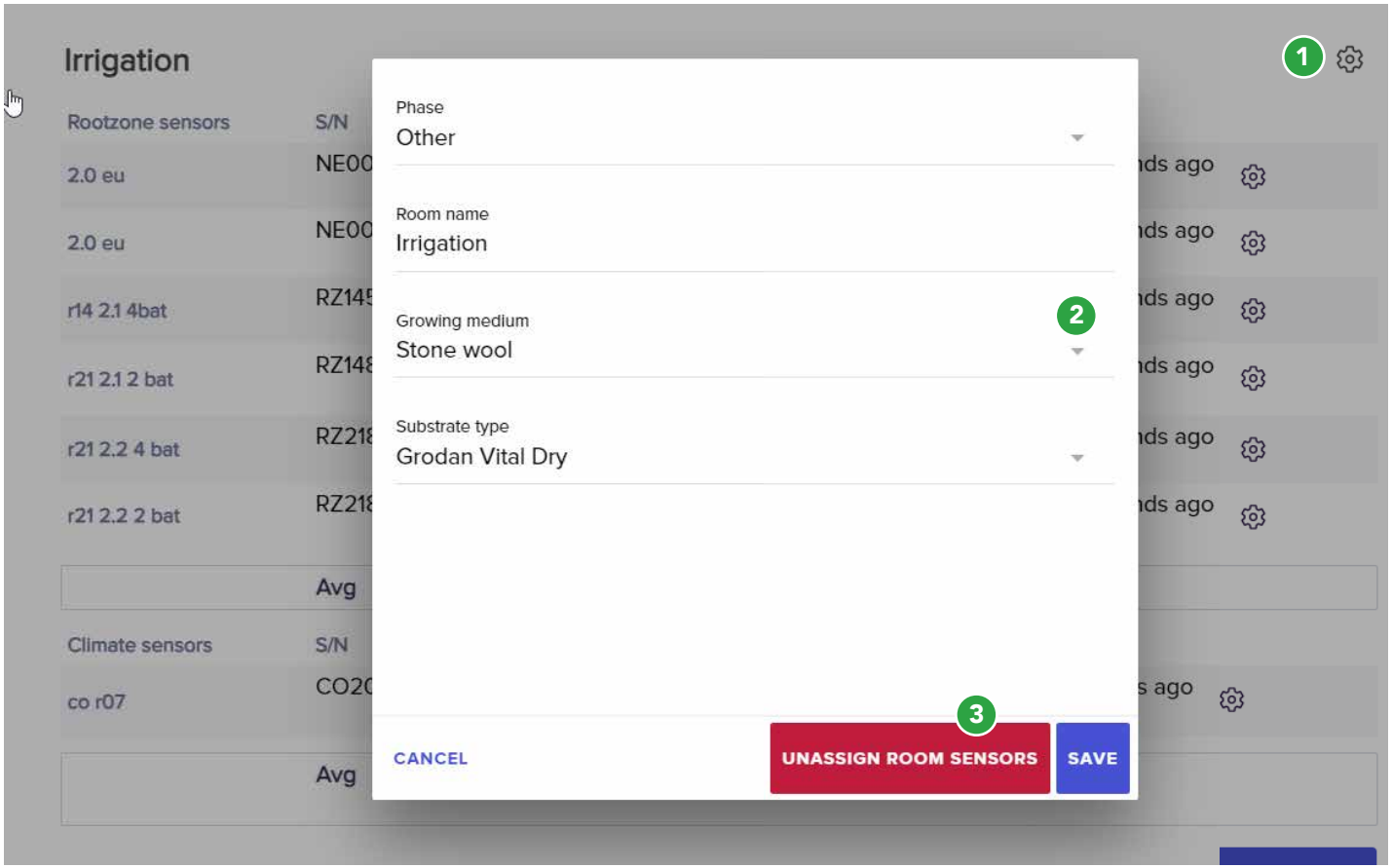
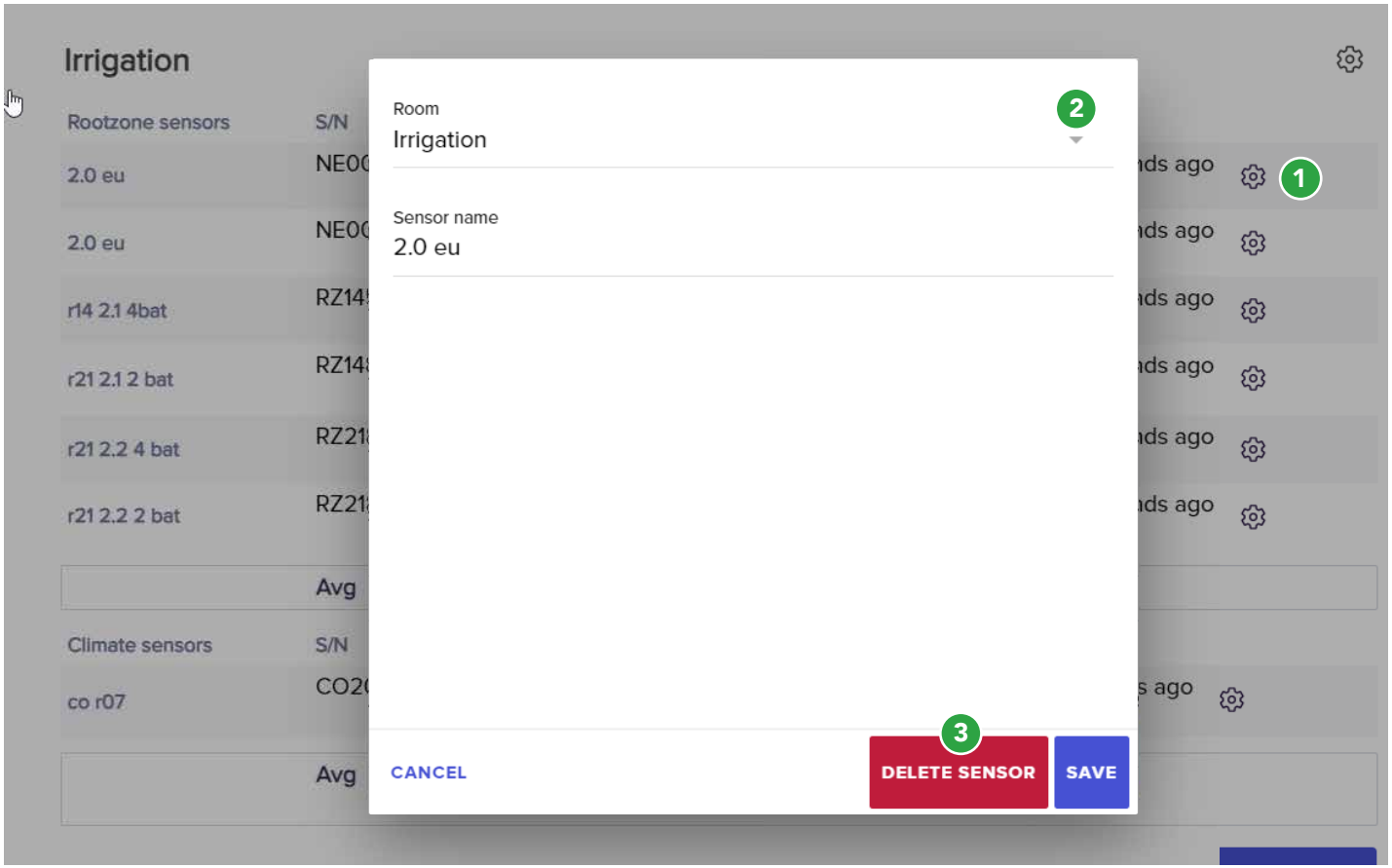
Desktop Viewer: section/room editing



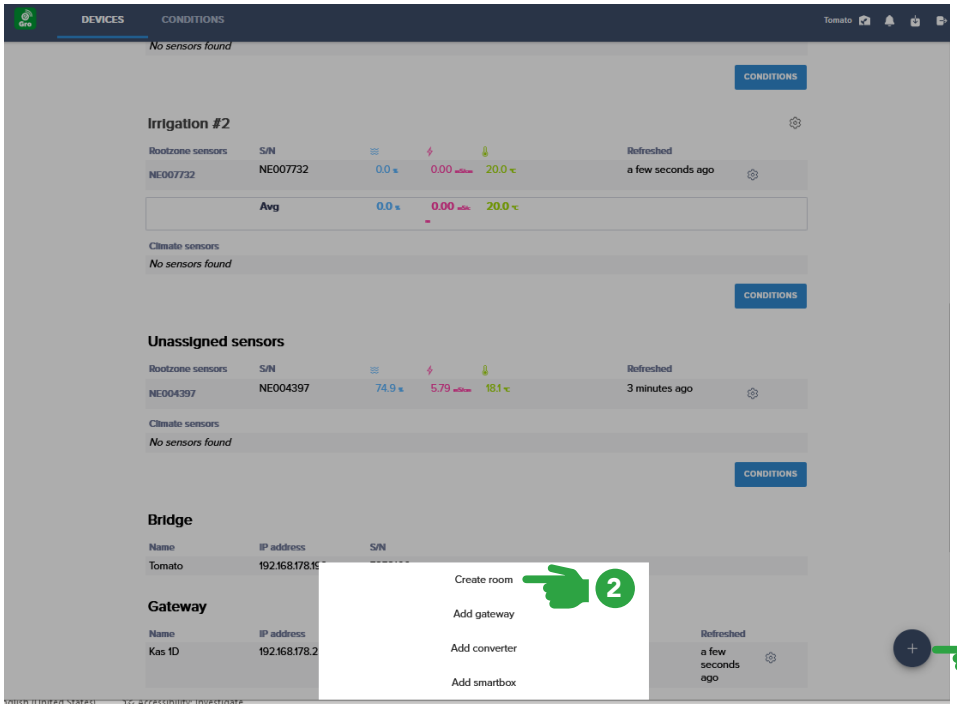
1. Section/room can be edited by pressing 'gear symbol'. Screen will pop up.
2. Edit the different section properties and press SAVE.
3. Use this button to unassign all sensors from a section/room

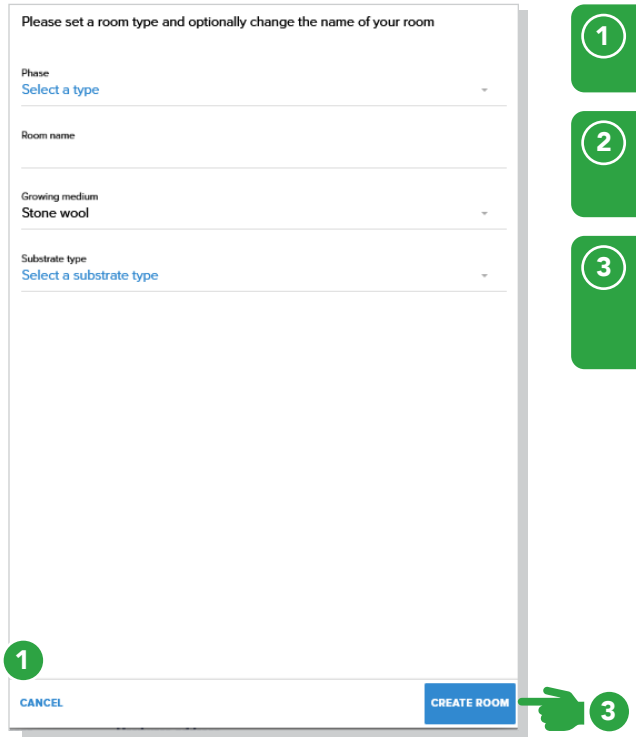
Desktop Viewer: GroSens Rootzone Sensor



1. Sensor can be edited by pressing 'gear symbol' next to the sensor . Screen will pop up.
2. Edit the different sensor properties and press SAVE.
3. Use this button to remove sensor from system

Desktop Viewer: Adding rooms





1. Press the + sign to get a pop up
2. Click 'create room' to create a new room
3. Edit the different sensor properties and press 'create room'

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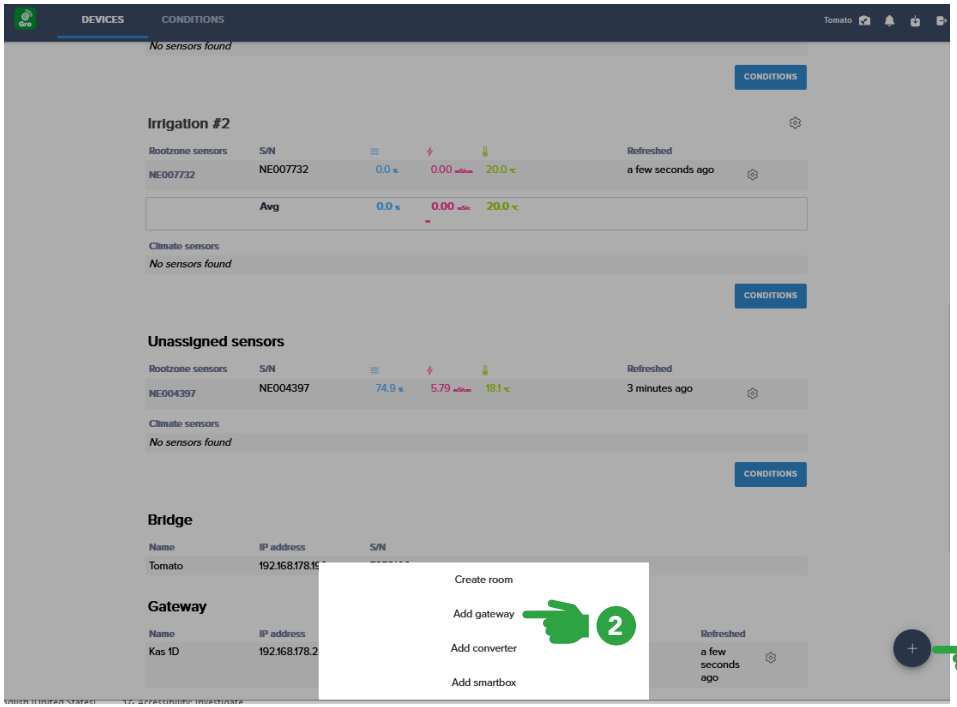
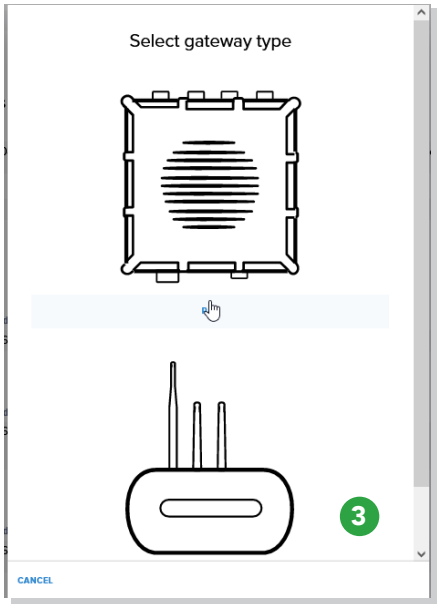
Desktop Viewer: Adding Gateway





1. Press the + sign to get a pop up
2. Click 'add gateway'
3. Follow the steps on screen to add a gateway.

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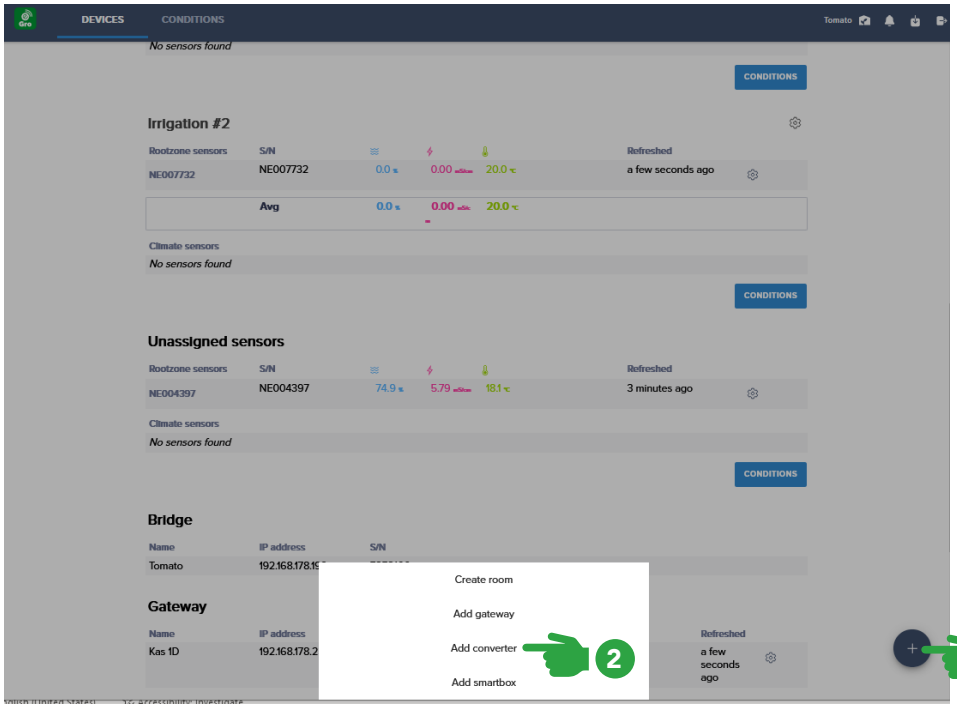
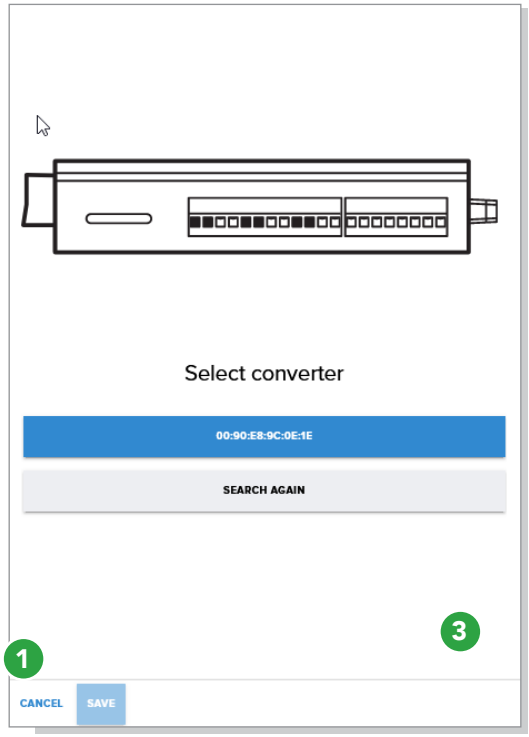
Desktop Viewer: Adding Converter





1. Press the + sign to get a pop up
2. Click 'add converter'
3. Follow the steps on screen to add a converter.

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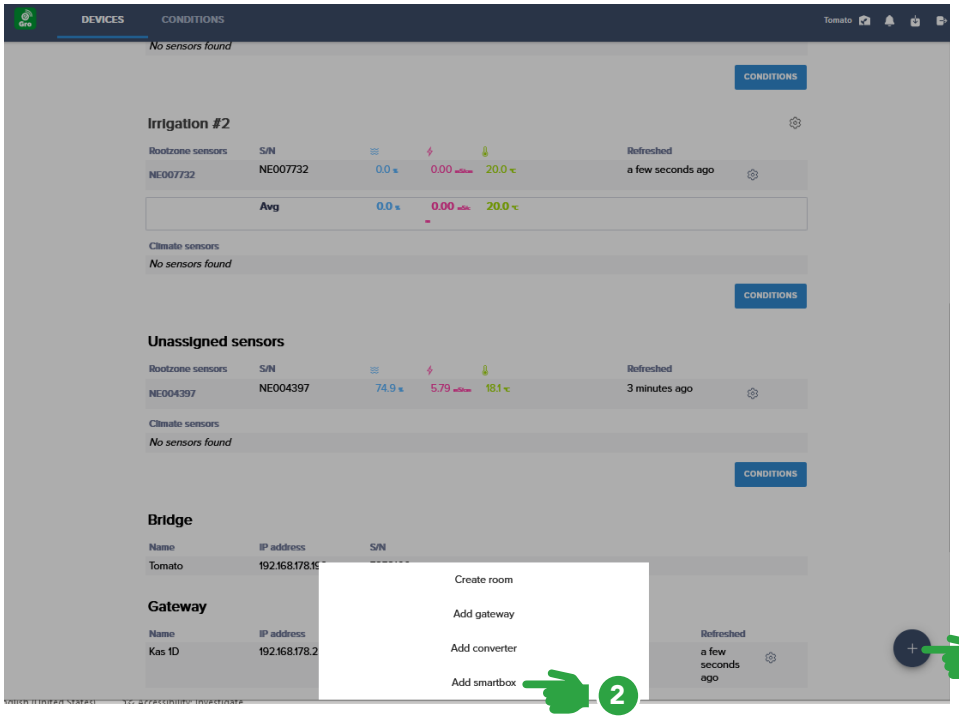
Desktop Viewer: Adding Smartbox



1. Press the + sign to get a pop up
2. Click 'add smartbox'
3. Type in the IP address shown on the smartbox display and press save. Smartbox sensor information will be shown in the app and desktop viewer

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Desktop Viewer – data viewing & alerts

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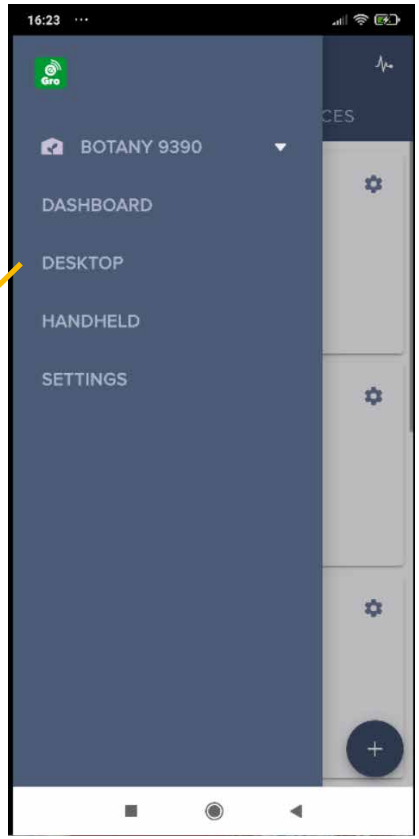

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Desktop Viewer: data view per section

1. Select section to be displayed
2. Select values to be displayed via + and select which lines should be thick
3. Select viewing period
4. Select which lines to display in the graph
5. All values in the graph
6. Slider to move the viewing period to desired time-frame

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Desktop Viewer: detailed data viewing & comparison

1. Click + sign

2. Select sensors to be displayed, section average can be included or excluded
Maximum of 7 sources

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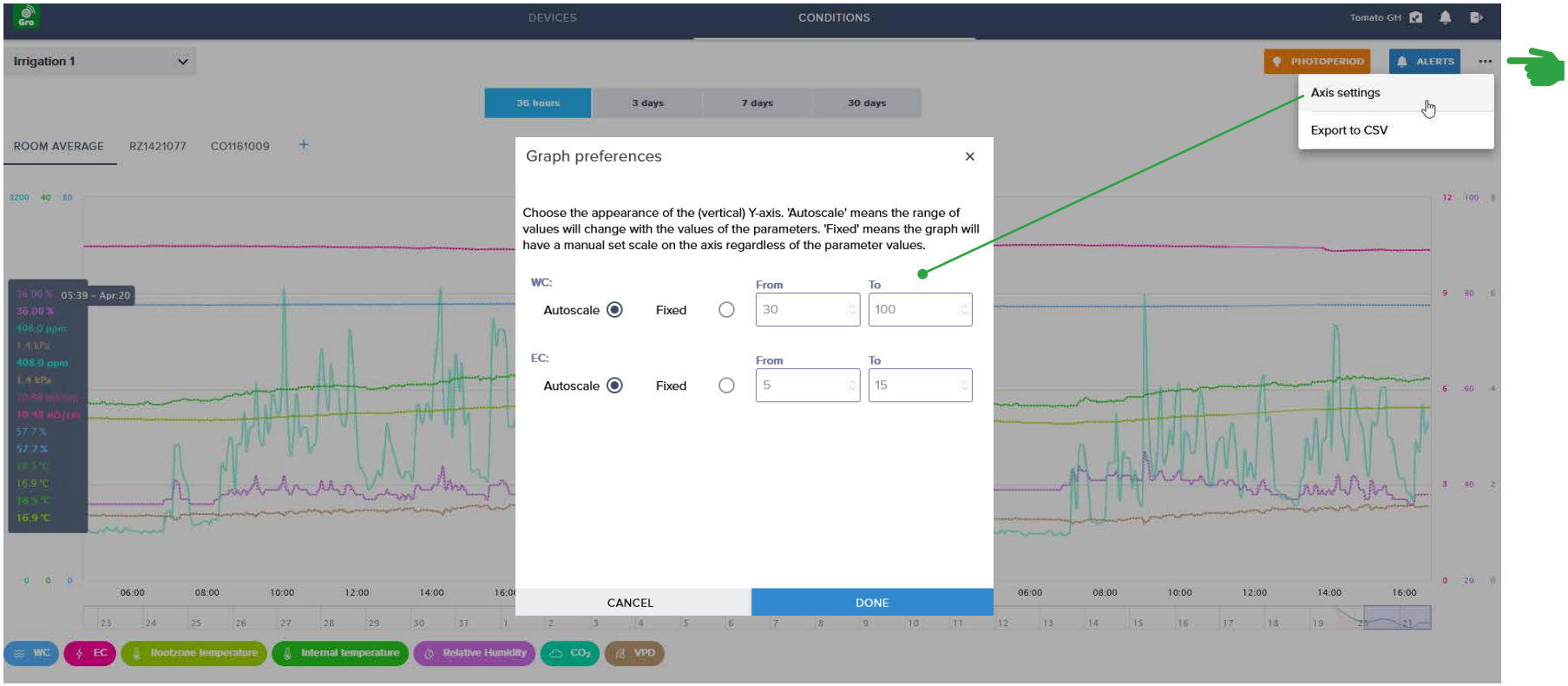
Desktop Viewer: detailed data viewing & comparison

1 Second chart can be added to view & compare another section

Desktop Viewer: scaling the y-axis



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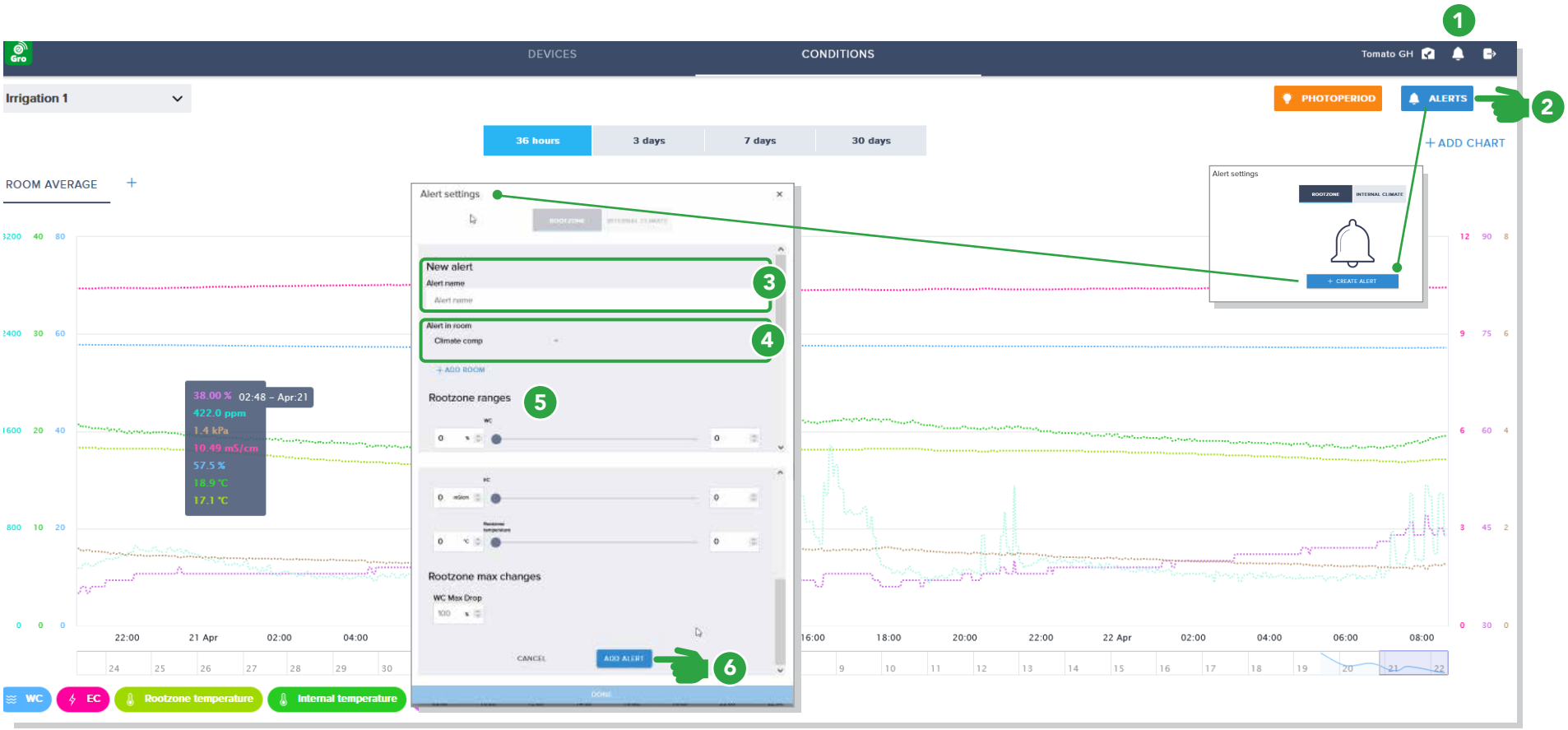
Desktop Viewer: setting alerts



1. Alerts are visible here and push notifications will be given to mobile (if selected in the app)
2. Alerts are user based. Each user can set different alerts.
3. Alert must be given a name
4. Select section & sensors in section
5. Set range of the alert
6. Add the alert

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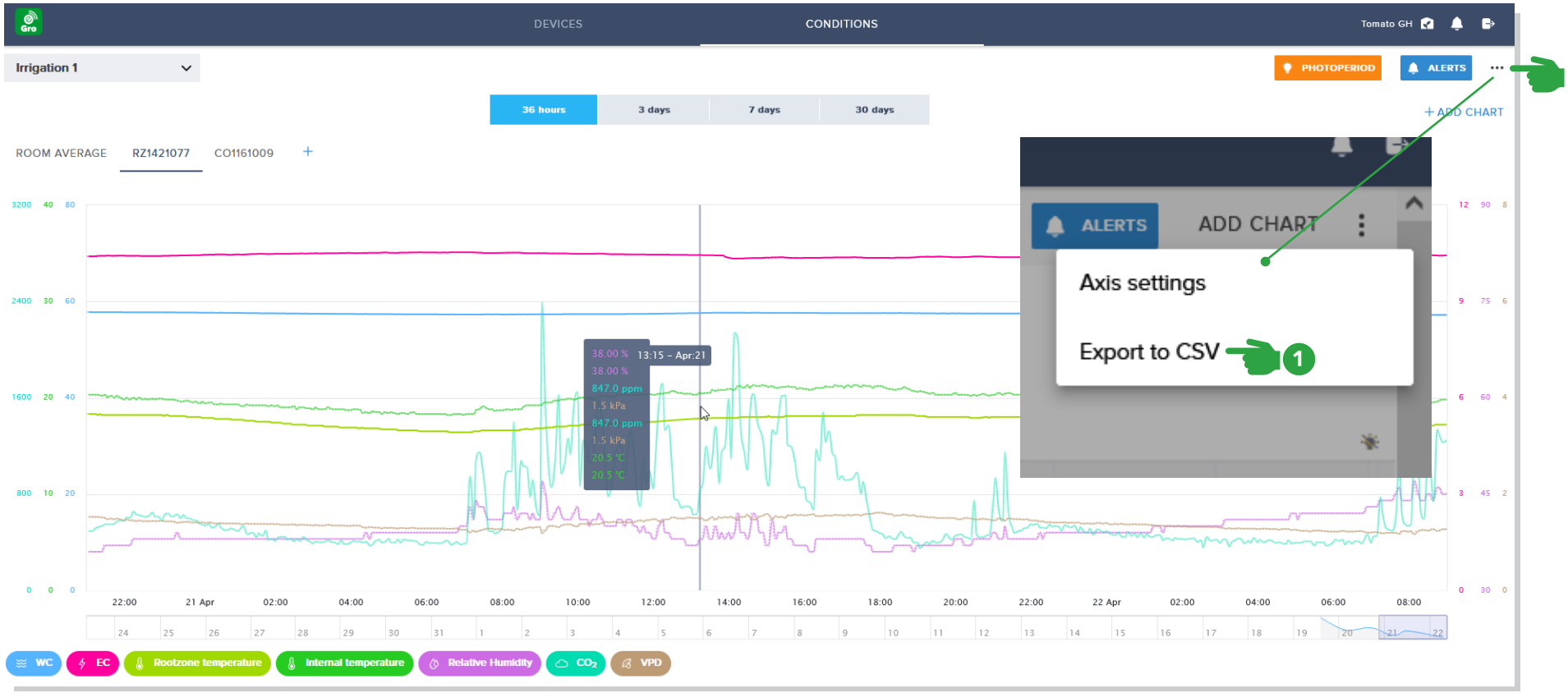
Desktop Viewer: data export



1 Data export is fixed to 180 days period.

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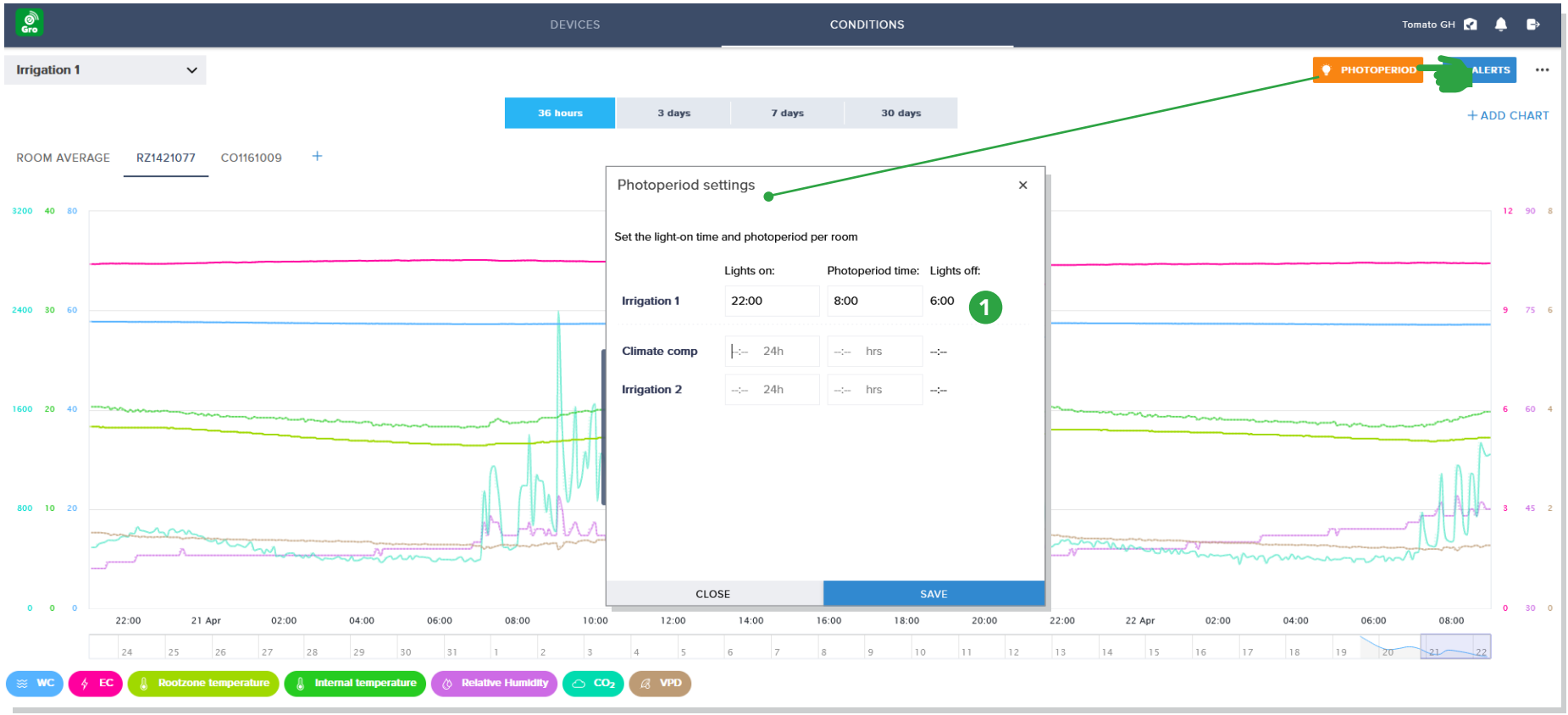
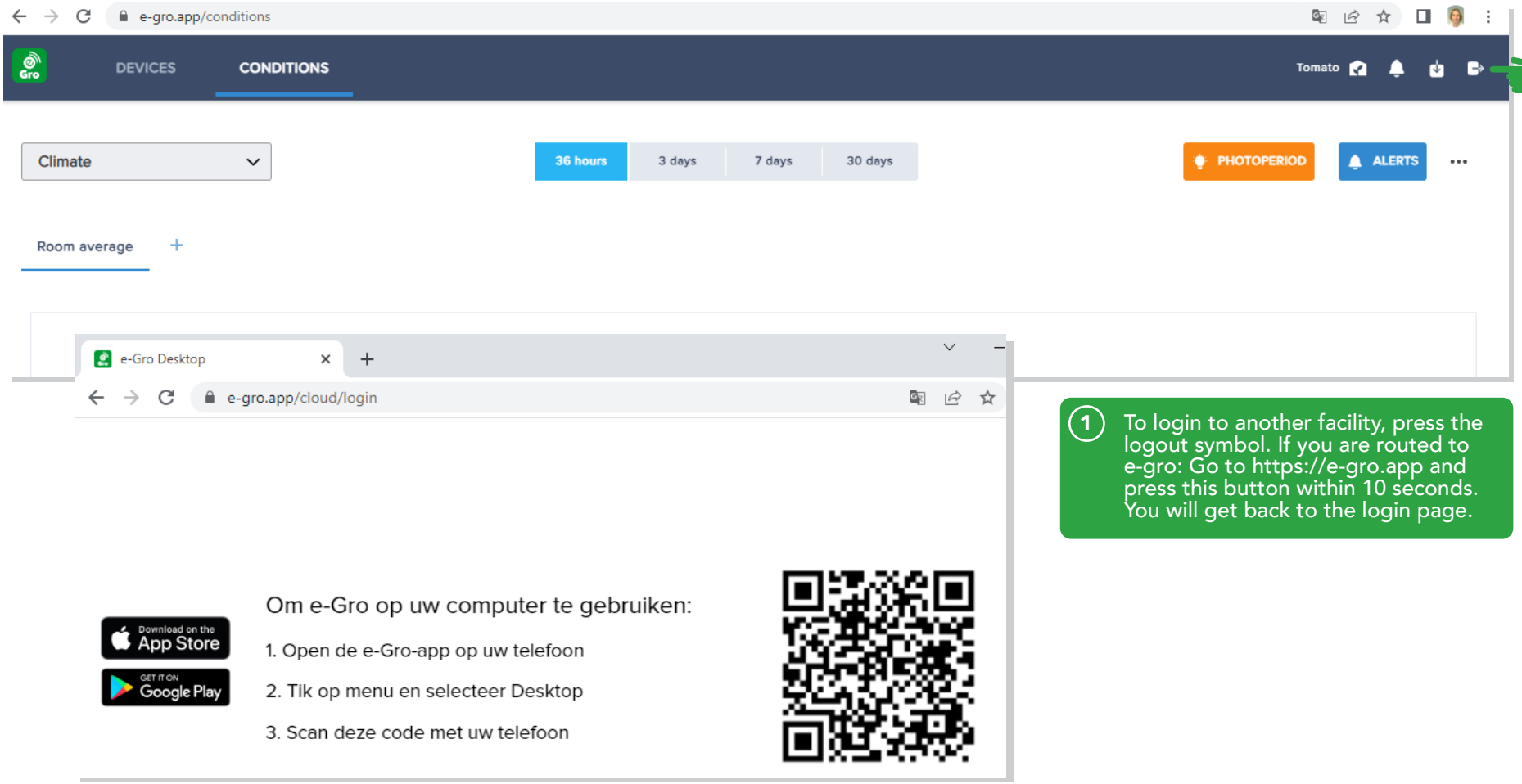
Desktop Viewer: photoperiod



1 Set the photoperiod time per section.

Desktop Viewer: logout (switch between bridges/facilities)



1 To login to another facility, press the logout symbol. If you are routed to e-gro: Go to https://e-gro.app and press this button within 10 seconds. You will get back to the login page.

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The Grodan Group supplies innovative, sustainable stone wool substrate solutions for the professional horticultural sector. Based on Precision Growing principles, these solutions are particularly applied to the cultivation of vegetables and flowers. In addition to its stone wool substrates, the Grodan Group also provides tailor-made advice and tools to support Precision Growing and thus facilitate the sustainable production of healthy, safe and tasty fresh produce for consumers.

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