



by  Signify

Indoor

NatureConnect

Natural lighting system

Installation & Commissioning manual

NatureConnect link & Interact

Installation & Commissioning

This manual will guide you in the commissioning of NatureConnect system with Interact sensor and User Interface.



Luminaires



NatureConnect link



Sensor



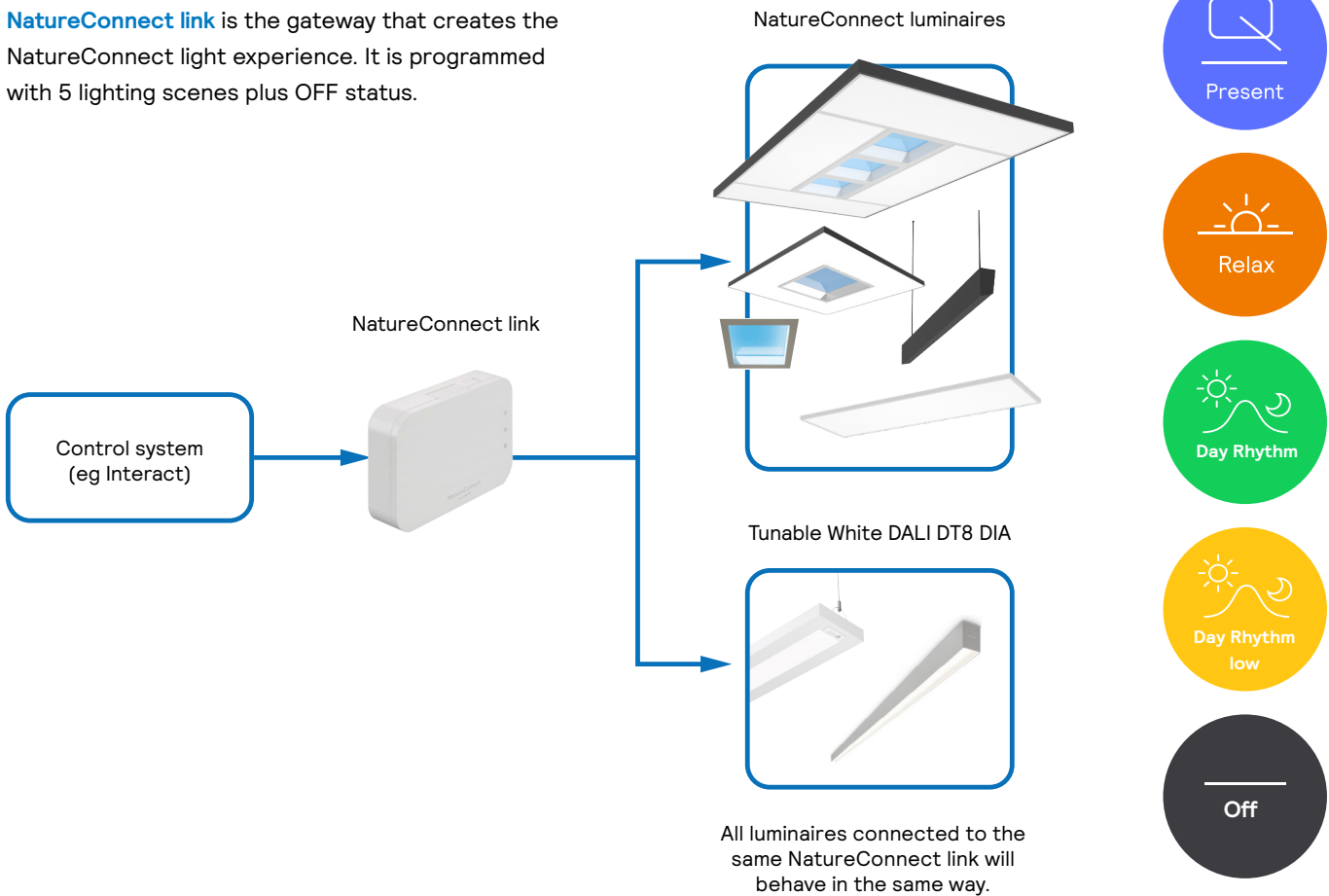
Wireless Switch

Interact requires a smart phone with iOS (iPhone) or Android (Samsung) operating system as a commissioning tool. For more info regarding the Interact commissioning please refer to: <https://sme.interact-lighting.com/web/help/prf-pra/2.3/install/commissioning.html>

Introduction

The NatureConnect system is based on biophilic design principles, which uses elements of nature and natural analogues in indoor spaces to make people feel happy and healthy. Unlike traditional lighting which focuses on visual benefits, NatureConnect additionally brings the biological and emotional benefits of lighting. It reconnects us with the constant cycles and variations of nature for comfortable, engaging and attractive indoor environments.

NatureConnect link is the gateway that creates the NatureConnect light experience. It is programmed with 5 lighting scenes plus OFF status.



The best NatureConnect experience is achieved combining NatureConnect link with presence sensors and user interfaces.



There are four scenes preprogrammed into the system easily accessible via the user interface. Scenes not assigned to the wireless switch buttons can be accessed via the interact mobile app.

Available scenes: Day Rhythm, Present, Relax, Energize.

Interface details

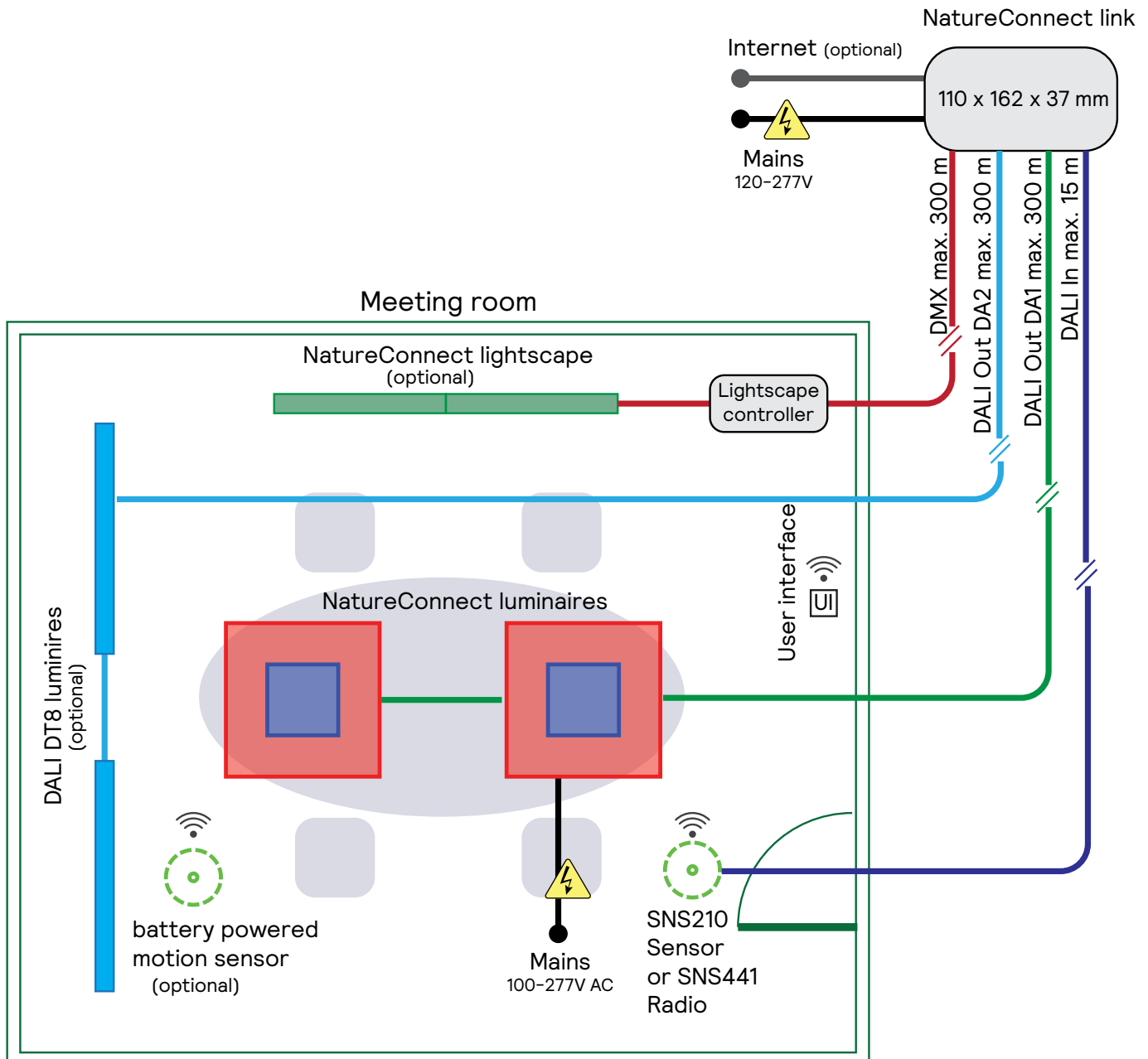
- Wireless
- On/off, dim up/down
- 3 Scene selection
- Decora style form factor

Presence sensors help to reduce the power consumption. They can be programmed in a way that when no occupancy is detected, inside the room, they send the signal to the NatureConnect link, to activate “Day Rhythm low” scene or to turn off the luminaires. When presence is detected it goes automatically to “Day rhythm”.

Installation

1

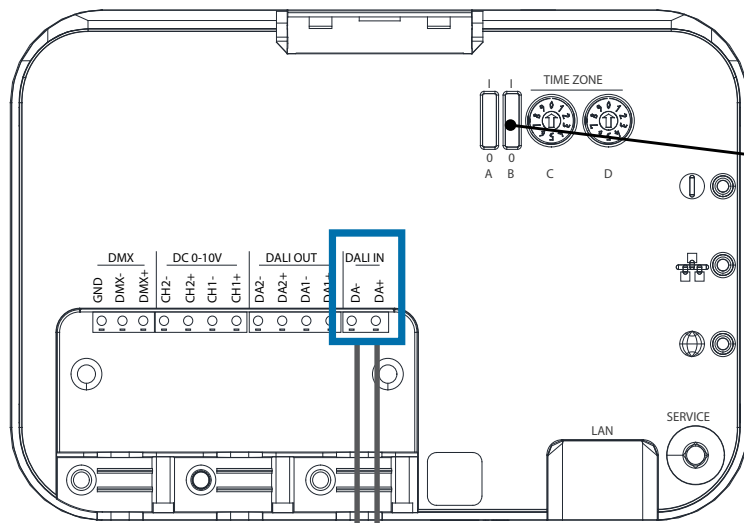
Mount the NatureConnect link and connect the NatureConnect luminaires, power supply and internet cable to the NatureConnect link



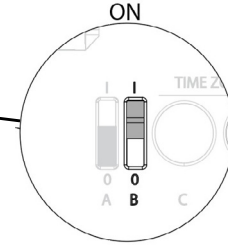
2

Connect the Interact SNS210 IA or SNS441 IA sensor with DALI IN terminals (polarity does not matter)

NatureConnect link

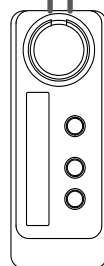


! Make sure that switch B is on position 1.



cable length: max. 50 ft (15m)

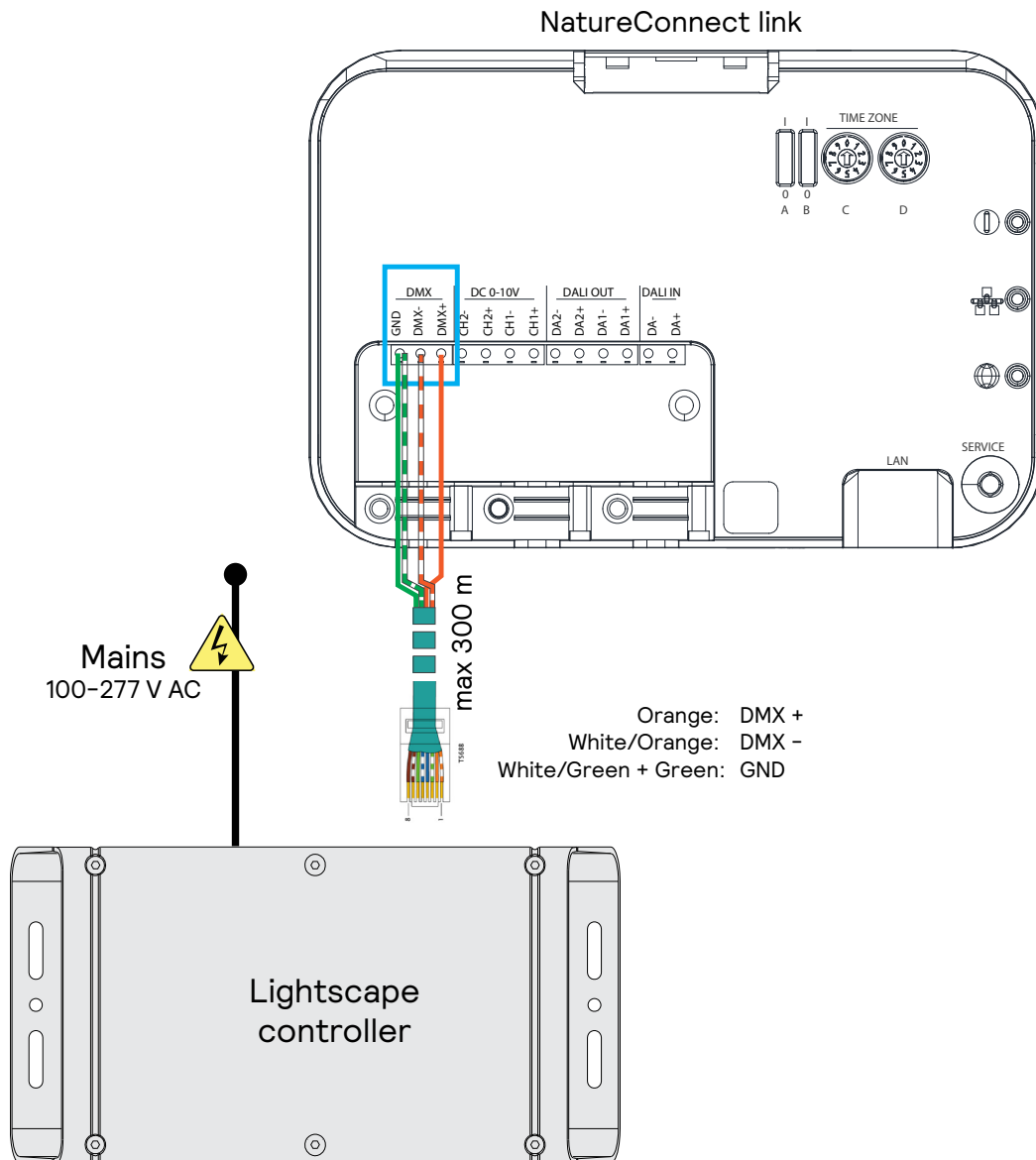
! Do not run cable close to power cables.

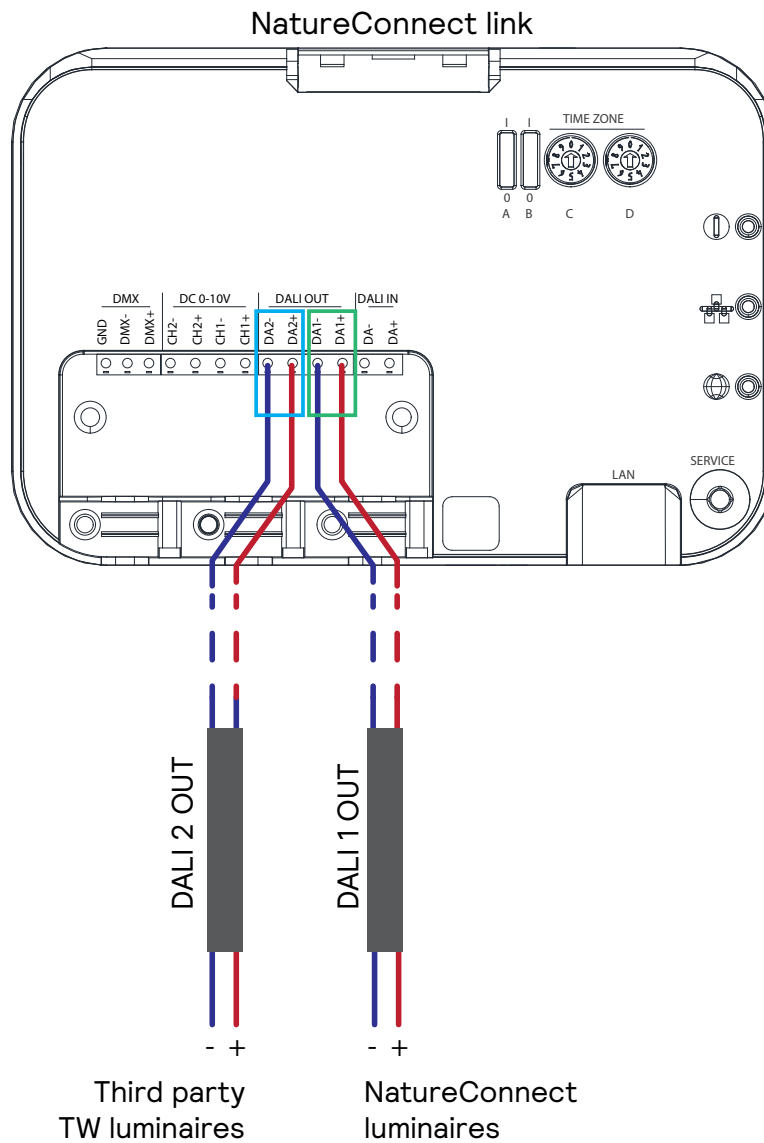


red LED ON
sensor connected and powered

SNS210 IA or
SNS441 IA

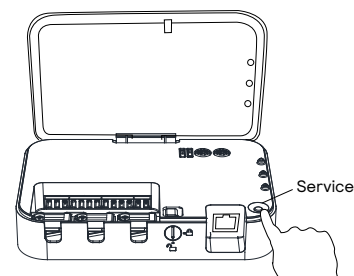
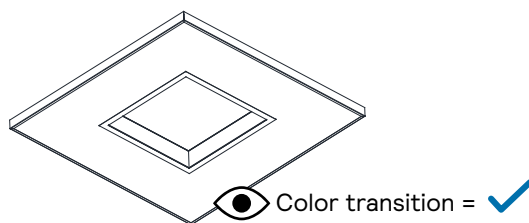
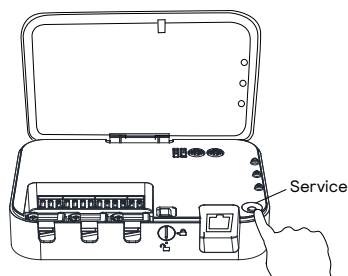
3 Connect DMX output of NatureConnect link to Lightscape controller input





Commissioning with Interact PRF as Lighting Control System

1 Test the connection with the luminaires by pressing the service button

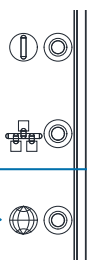
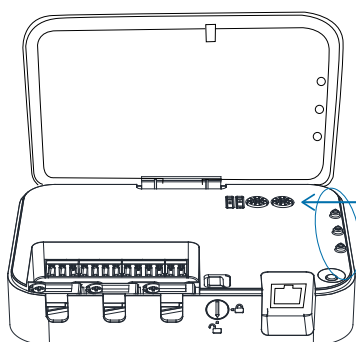


① Press the “service” button to start the test

② Check luminaires

③ Press the “service” button to finish the test

2 Set the Time Zone

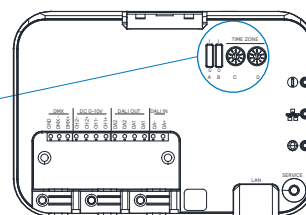
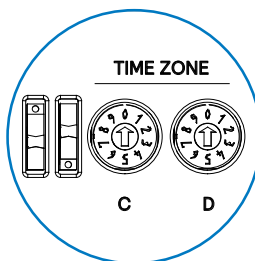
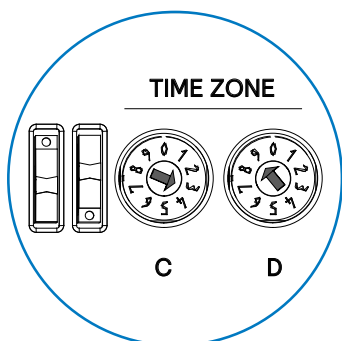


Note: The Real Time Clock in the NatureConnect link is already set in the factory. Please make sure that the correct time zone is set using the dials on the NC link. Optionally, the NatureConnect link can be connected to the internet to automatically acquire the current time from a NTP server.

Dials for Time Zone selection

Internet/NTP LED will be on if the NatureConnect link is connected to NTP time server via internet connection (optional)

3 Set the rotary switches for the time zone according the Time zone table



Example: setting the time zone for Prague

3	9	(UTC+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague
---	---	---

Time zone table

C	D	Time zone	C	D	Time zone
0	0	(UTC-08:00) Baja California	5	0	(UTC+02:00) Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius
0	1	(UTC-08:00) Co-ordinated Universal Time-08	5	1	(UTC+02:00) Jerusalem
0	2	(UTC-08:00) Pacific Time (US & Canada)	5	2	(UTC+02:00) Juba
0	3	(UTC-07:00) Arizona	5	3	(UTC+02:00) Kaliningrad
0	4	(UTC-07:00) Chihuahua, La Paz, Mazatlan	5	4	(UTC+02:00) Khartoum
0	5	(UTC-07:00) Mountain Time (US & Canada)	5	5	(UTC+02:00) Tripoli
0	6	(UTC-07:00) Yukon	5	6	(UTC+02:00) Windhoek
0	7	(UTC-06:00) Central America	5	7	(UTC+03:00) Amman
0	8	(UTC-06:00) Central Time (US & Canada)	5	8	(UTC+03:00) Baghdad
0	9	(UTC-06:00) Easter Island	5	9	(UTC+03:00) Istanbul
1	0	(UTC-06:00) Guadalajara, Mexico City, Monterrey	6	0	(UTC+03:00) Kuwait, Riyadh
1	1	(UTC-06:00) Saskatchewan	6	1	(UTC+03:00) Minsk
1	2	(UTC-05:00) Bogota, Lima, Quito, Rio Branco	6	2	(UTC+03:00) Moscow, St Petersburg
1	3	(UTC-05:00) Chetumal	6	3	(UTC+03:00) Nairobi
1	4	(UTC-05:00) Eastern Time (US & Canada)	6	4	(UTC+03:00) Volgograd
1	5	(UTC-05:00) Haiti	6	5	(UTC+03:30) Tehran
1	6	(UTC-05:00) Havana	6	6	(UTC+04:00) Abu Dhabi, Muscat
1	7	(UTC-05:00) Indiana (East)	6	7	(UTC+04:00) Astrakhan, Ulyanovsk
1	8	(UTC-05:00) Turks and Caicos	6	8	(UTC+04:00) Baku
1	9	(UTC-04:00) Asuncion	6	9	(UTC+04:00) Izhevsk, Samara
2	0	(UTC-04:00) Atlantic Time (Canada)	7	0	(UTC+04:00) Port Louis
2	1	(UTC-04:00) Cuiaba	7	1	(UTC+04:00) Saratov
2	2	(UTC-04:00) Georgetown, La Paz, Manaus, San Juan	7	2	(UTC+04:00) Tbilisi
2	3	(UTC-04:00) Santiago	7	3	(UTC+04:00) Yerevan
2	4	(UTC-03:00) Araguaina	7	4	(UTC+05:00) Ashgabat, Tashkent
2	5	(UTC-03:00) Brasilia	7	5	(UTC+05:00) Ekaterinburg
2	6	(UTC-03:00) Cayenne, Fortaleza	7	6	(UTC+05:00) Qyzylorda
2	7	(UTC-03:00) City of Buenos Aires	7	7	(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
2	8	(UTC-03:00) Greenland	7	8	(UTC+05:30) Sri Jayawardenepura
2	9	(UTC-03:00) Montevideo	7	9	(UTC+06:00) Dhaka
3	0	(UTC-03:00) Punta Arenas	8	0	(UTC+06:00) Nur-Sultan
3	1	(UTC-03:00) Saint Pierre and Miquelon	8	1	(UTC+06:30) Yangon (Rangoon)
3	2	(UTC-03:00) Salvador	8	2	(UTC+07:00) Bangkok, Hanoi, Jakarta
3	3	(UTC) Co-ordinated Universal Time	8	3	(UTC+07:00) Barnaul, Gorno-Altaysk
3	4	(UTC+00:00) Dublin, Edinburgh, Lisbon, London	8	4	(UTC+07:00) Hovd
3	5	(UTC+00:00) Monrovia, Reykjavik	8	5	(UTC+08:00) Beijing, Chongqing, Hong Kong SAR, Urumqi
3	6	(UTC+00:00) Sao Tome	8	6	(UTC+08:00) Kuala Lumpur, Singapore
3	7	(UTC+01:00) Casablanca	8	7	(UTC+08:00) Perth
3	8	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, V	8	8	(UTC+08:00) Taipei
3	9	(UTC+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Pra	8	9	(UTC+08:00) Ulaanbaatar
4	0	(UTC+01:00) Brussels, Copenhagen, Madrid, Paris	9	0	(UTC+08:45) Eucla
4	1	(UTC+01:00) Sarajevo, Skopje, Warsaw, Zagreb	9	1	(UTC+09:00) Chita
4	2	(UTC+01:00) West Central Africa	9	2	(UTC+09:00) Osaka, Sapporo, Tokyo
4	3	(UTC+02:00) Athens, Bucharest	9	3	(UTC+09:00) Pyongyang
4	4	(UTC+02:00) Beirut	9	4	(UTC+09:00) Seoul
4	5	(UTC+02:00) Cairo	9	5	(UTC+09:30) Darwin
4	6	(UTC+02:00) Chisinau	9	6	(UTC+10:00) Brisbane
4	7	(UTC+02:00) Damascus	9	7	(UTC+10:00) Canberra, Melbourne, Sydney
4	8	(UTC+02:00) Gaza, Hebron	9	8	(UTC+10:00) Guam, Port Moresby
4	9	(UTC+02:00) Harare, Pretoria	9	9	(UTC+10:00) Hobart

4

Download the Interact Pro commissioning app and create an account

You will need a device that supports Interact commissioning app. (e.g. smartphone or tablet) with Bluetooth technology.

For more information, visit:

<https://sme.interact-lighting.com/web/help/prf-pra/2.3/install/commissioning.html>

Download the
Interact Pro app



interact

Log in to
Interact Pro

Email address

Password

Forgot password

Get started

By proceeding you agree with the [Terms of usage](#)

Are you an installer company and not yet registered?

Request access

5

Create a new project

Signify

No projects have been created yet

+

Create new project

1 Project information
2 Installation details

Project name
NatureConnect demo

Project type
Office

Timezone
(UTC-05:00) America/New York

Next

Create new project

1 Project information
2 Installation details

Address
1 Van de Graaff Drive

Zip
01803

City
Burlington

State/Province
Massachusetts

Country
United States of America (the)

Create

NatureConnect demo
Project

Light control >

Schedules >

Setup >

Users >

Project details >

Project updates >

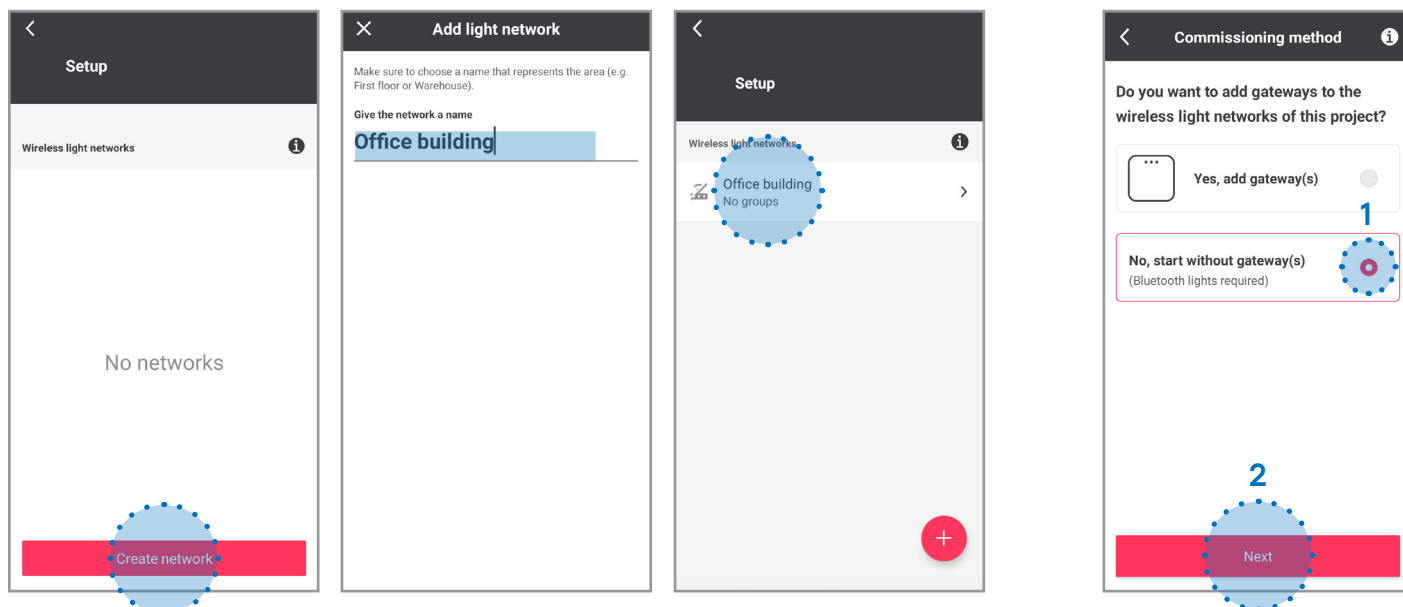
Light information >

Installation reports >

Fill in the fields and open the new project just created.

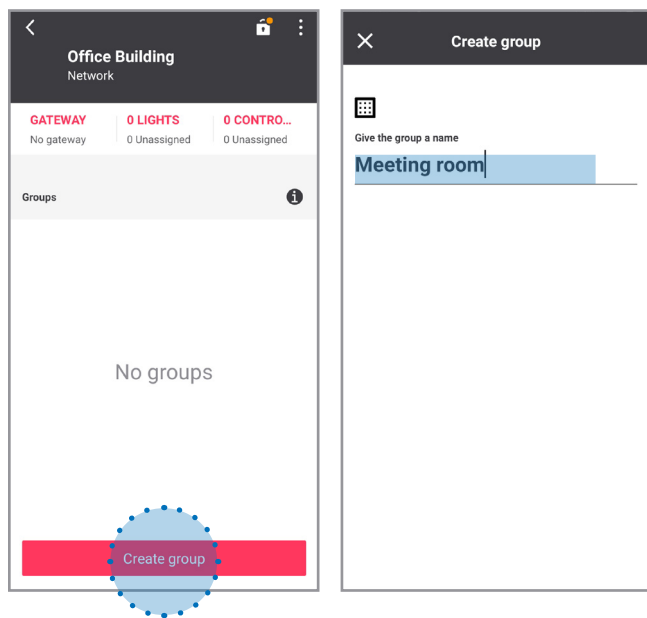
6

Create a light network



7

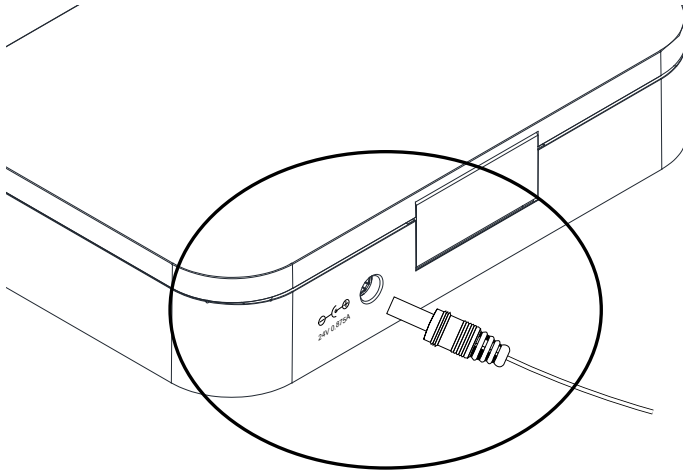
Create a group



8

Reboot NatureConnect link before proceeding with commissioning

Unplug the power connector, wait 10 seconds and reconnect.



Wait for the device to start before proceeding with the next steps. This will take approximately 5 minutes.

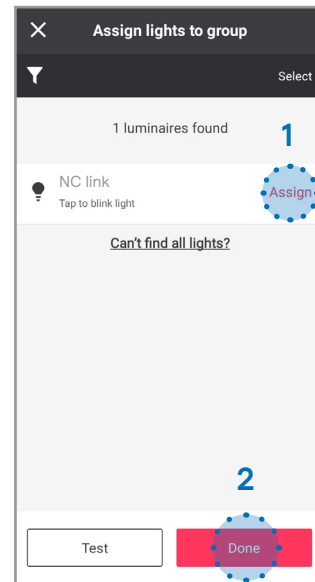
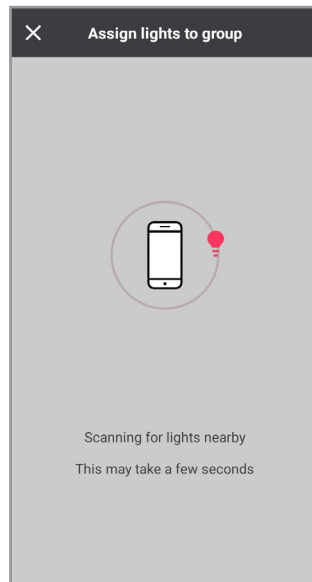
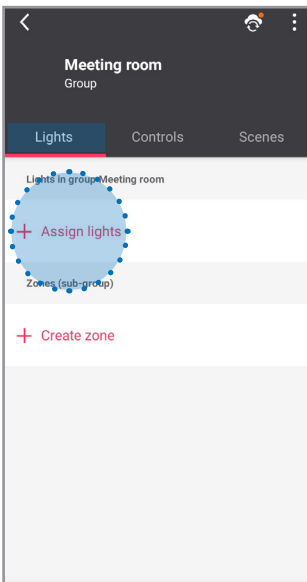
9

Find and assign the NatureConnect link connected with a SNS210 IA or SNS441 IA

Stand close to the SNS210/SNS441 connected to the NatureConnect link (bluetooth must be active on your device).

Tab **Lights**: click on **Assign lights**
It will be found as e.g.: **NC link**

Note: Actual name and number can vary.



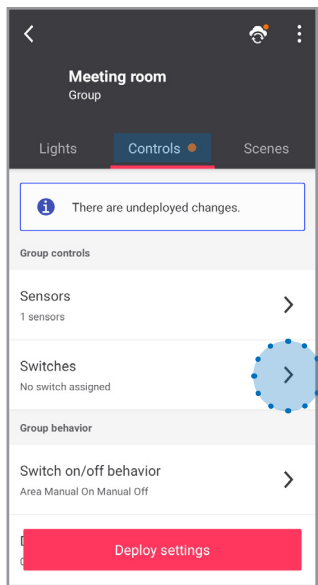
Once assigned, all luminaires connected to the NatureConnect link will appear as ON and will respond as whole.

10 Add one or more user interfaces (optional)

Note: if multiple user interfaces are configured, then all user interfaces will work in the same way.



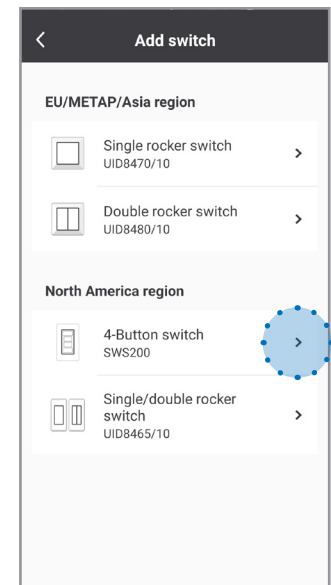
Tab **Controls**:
click on **Switches**



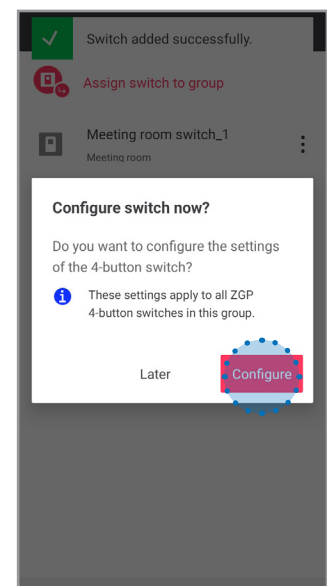
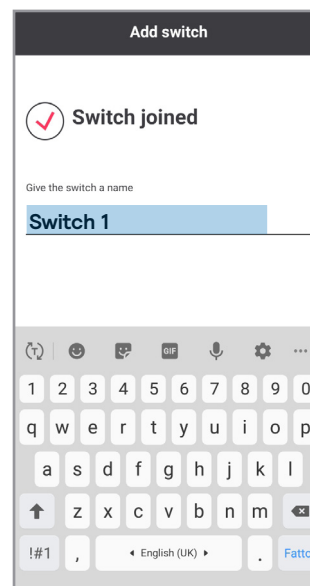
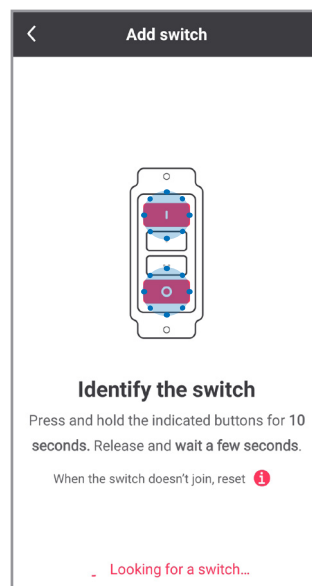
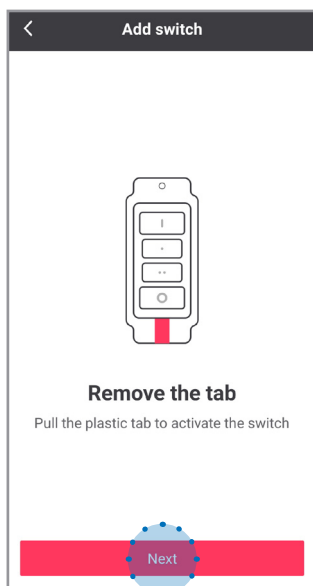
Click on
Assign switch to group



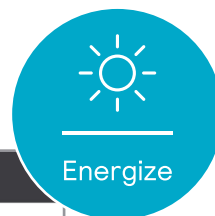
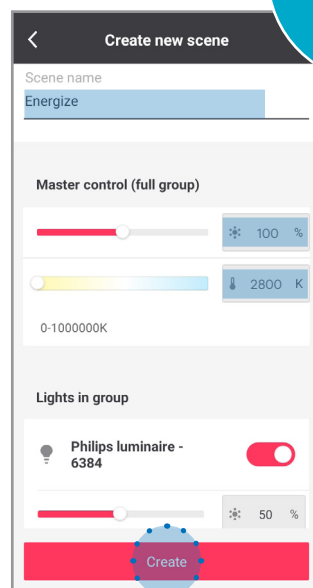
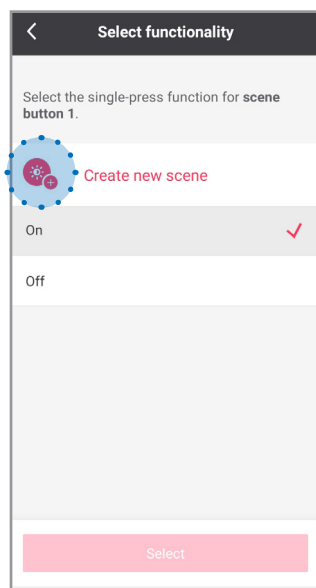
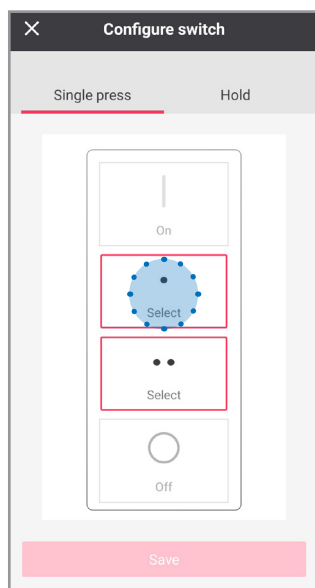
Select
4 button switch



Identify the switch following the instructions:



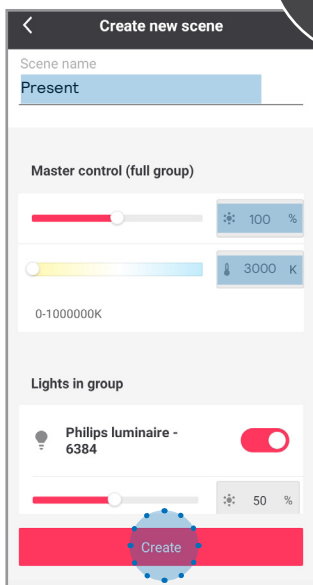
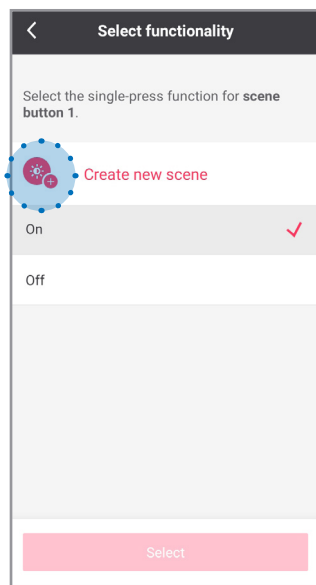
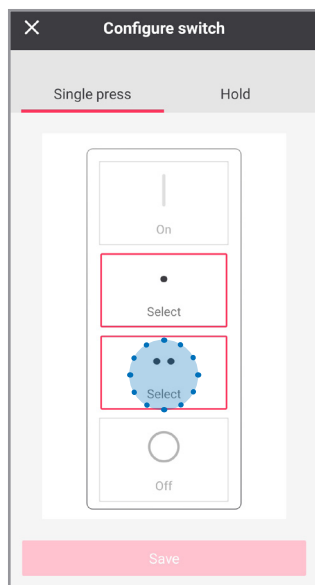
Configure the **second** button as the **Energize** scene



Set brightness to 100%

Set CCT to 2800 K

Configure the **third** button as the **Present** scene



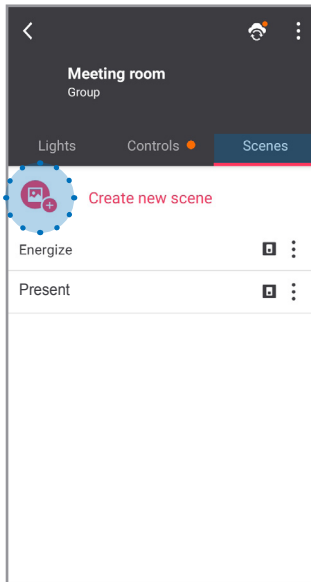
Set brightness to 100%

Set CCT to 3000 K

12

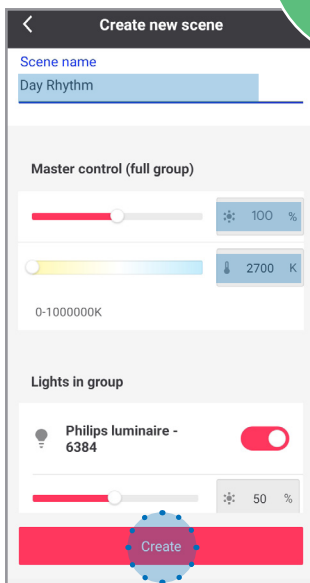
Configure additional scenes

Note: this step is optional and only needed if you want to recall additional scenes from the app user interface.



Tab **Scenes**, add other scenes

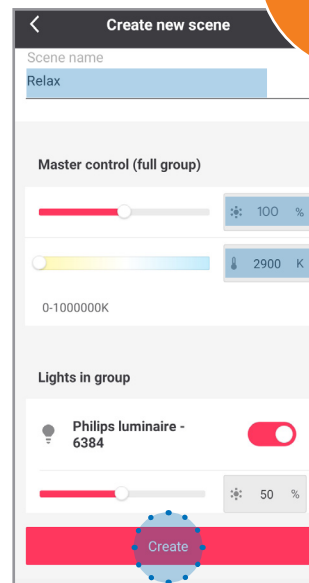
Day Rhythm scene



Set brightness to 100%

Set CCT to 2700 K

Relax scene



Set brightness to 100%

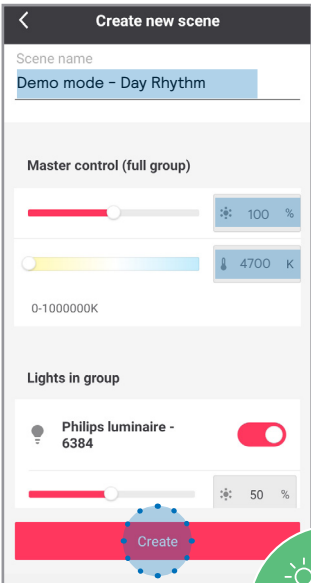
Set CCT to 2900 K

Demo Mode

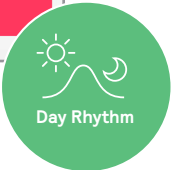
It is possible to program demo scenes that run dynamic scenes in a faster mode for demonstration purposes.

Note: The **Present** scene is a static scene and does not have a demo mode.

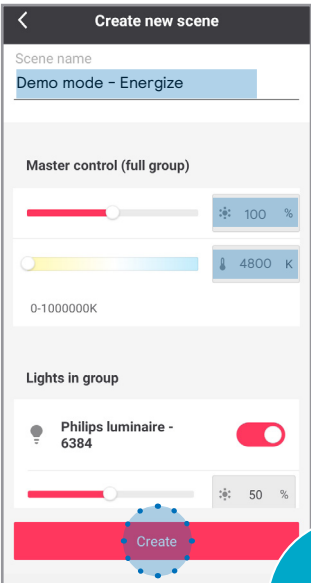
Demo Day Rhythm scene



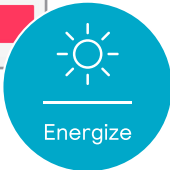
Set brightness to 100%
Set CCT to 4700 K



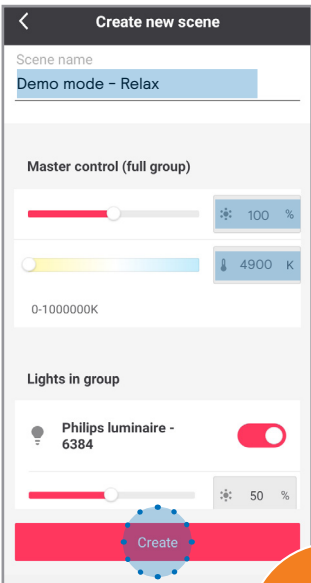
Demo Energize scene



Set brightness to 100%
Set CCT to 4800 K



Demo Relax scene

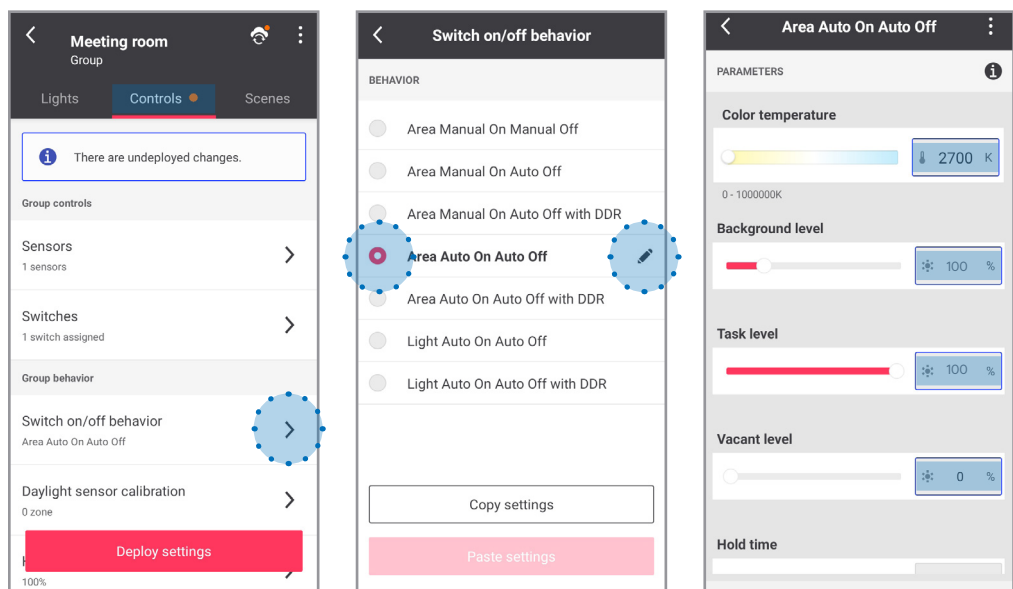


Set brightness to 100%
Set CCT to 4900 K



13 Configure the system with motion sensors

Tab Controls



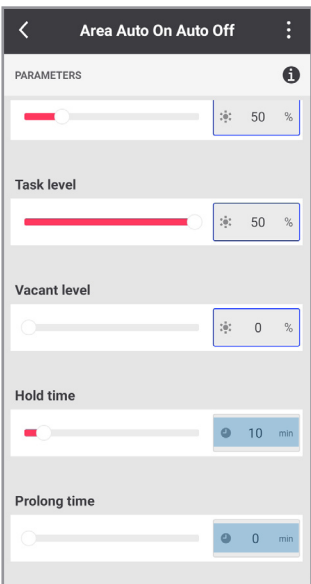
The first screenshot shows the 'Meeting room' group with the 'Controls' tab selected. A blue circle highlights the 'Area Auto On Auto Off' option under 'Switch on/off behavior'. The second screenshot shows the 'Switch on/off behavior' screen with 'Area Auto On Auto Off' selected. The third screenshot shows the 'Area Auto On Auto Off' parameters screen with various settings adjusted.

Set CCT to 2700 K

Set Background to 100%

Set Task to 100%

Scroll down ↓

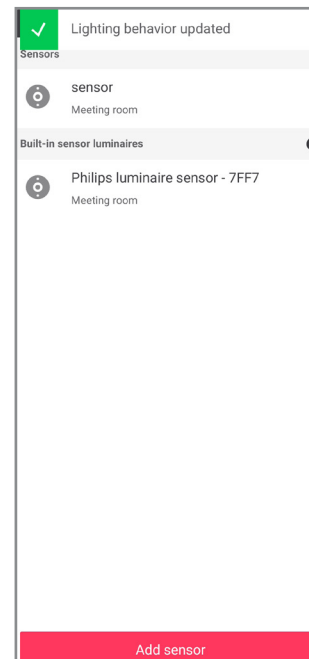
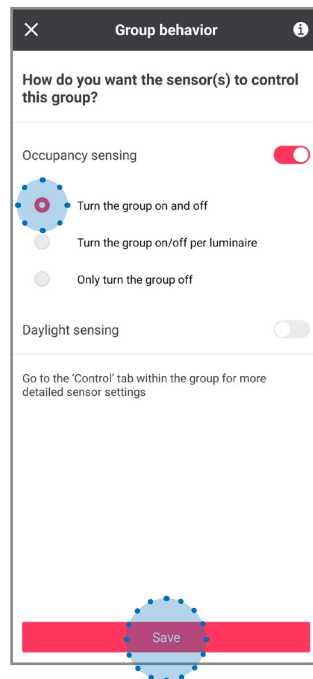
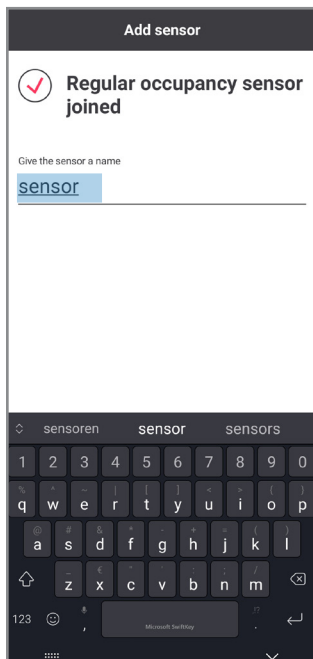
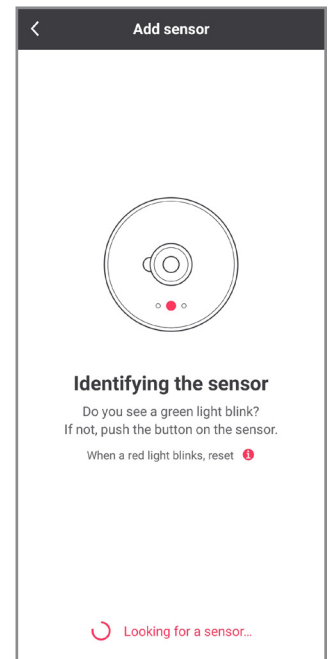
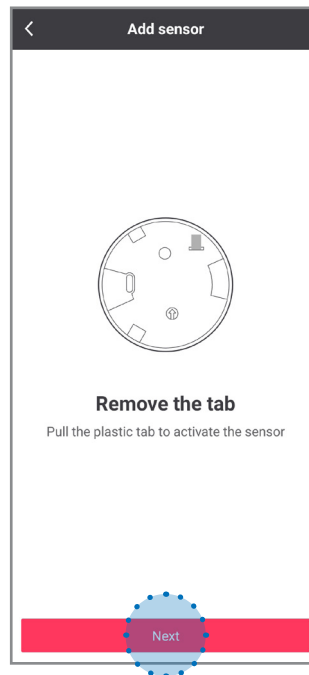
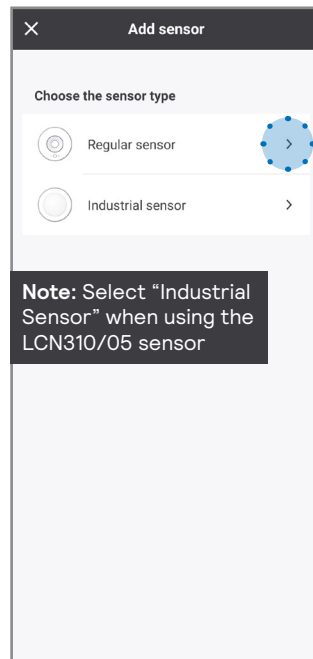


Set Hold time to 10 min

Set Prolong time to 0 min

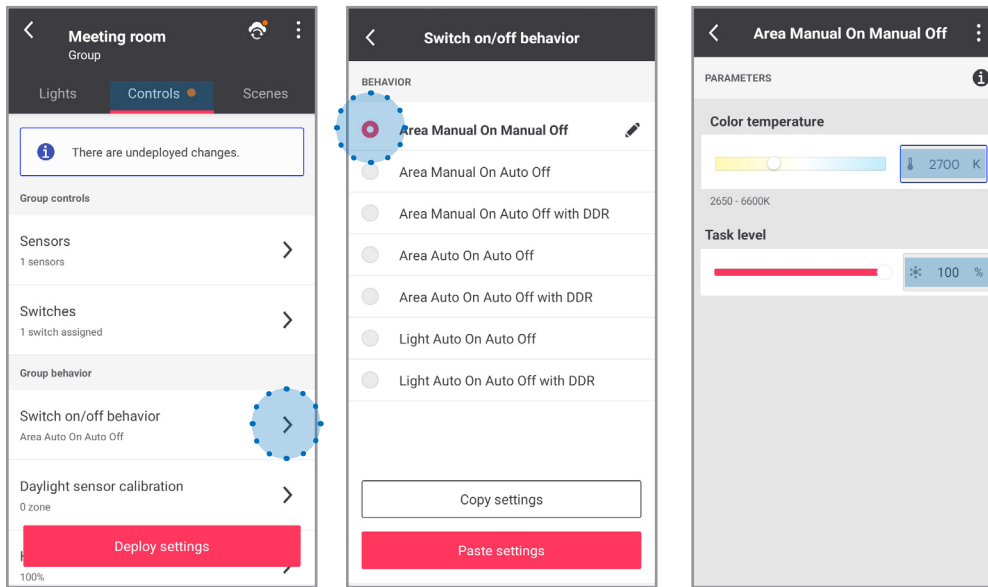
Note: If color temperature slider is missing, follow the procedure in Problem Solving section B at the end of this document.

Optional: how to add battery powered motion sensor



14

Configure the system without motion sensors



Follow steps below:

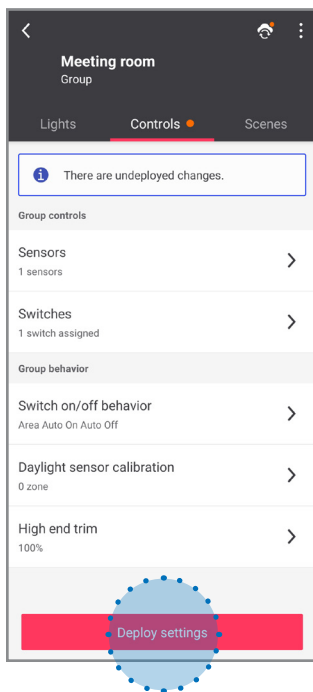
1. Set CCT to 2700 K
> Press “enter” or “OK”
2. Set brightness to 100%
> Press “enter” or “OK”

*If color temperature slider is missing, follow the procedure indicated in the paragraph B in the Problem Solving chapter.

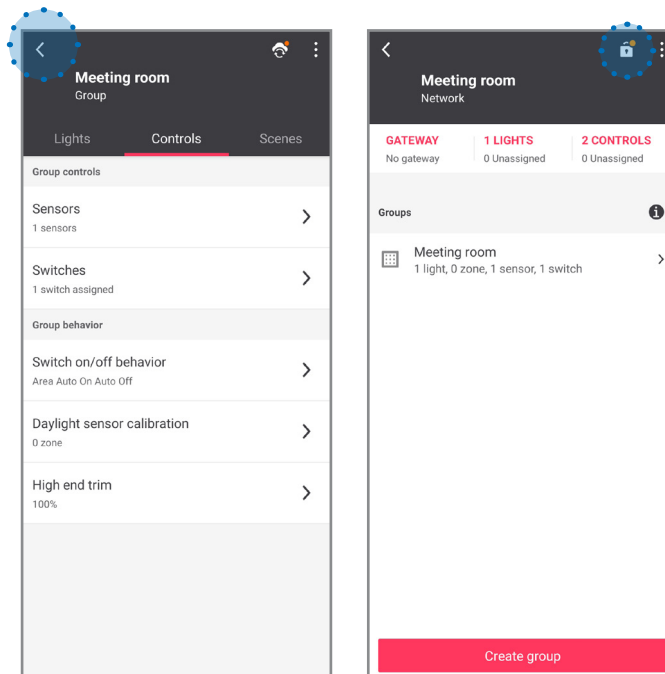
15

Deploy settings and unlock the network

Deploy



Unlock



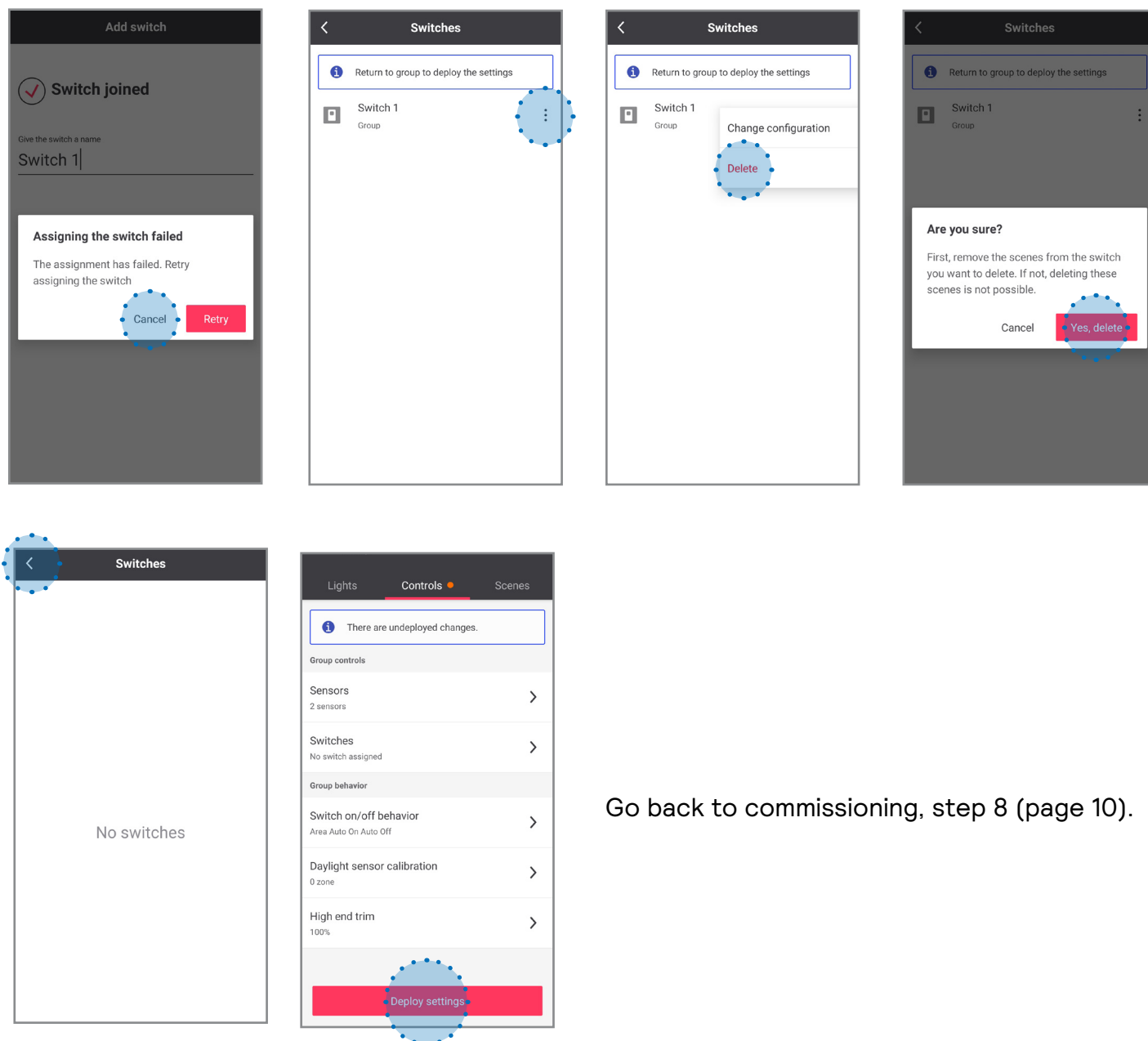
Commissioning completed

Problem solving

A

Cannot add a switch to a group (PRF)

If it is impossible to make the luminaires react to the switch remove the switch from the configurator and restart the process from the beginning.



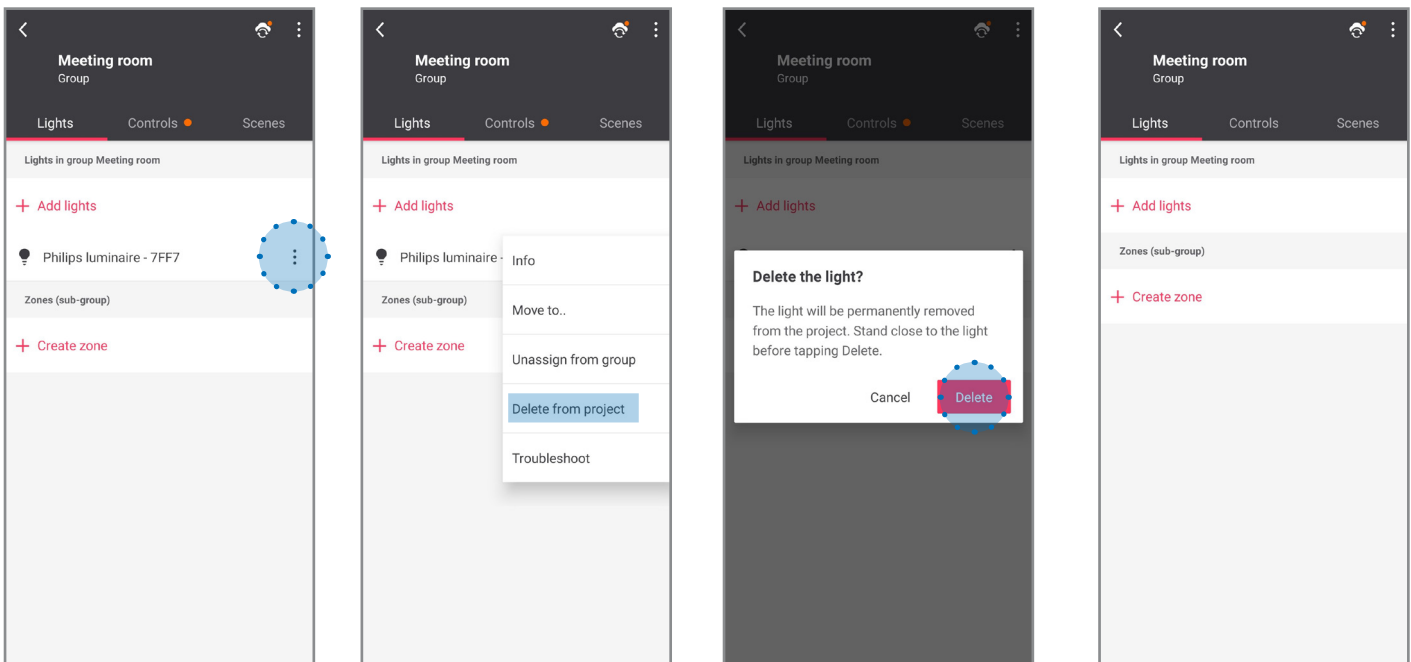
Go back to commissioning, step 8 (page 10).

B

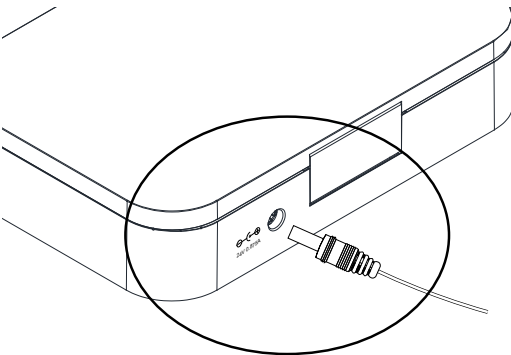
What to do if the color temperature slider is missing

Under certain circumstances it is possible for the NatureConnect link to not be detected as a tunable white device. To fix this it is necessary to remove it from the system and add it again.

Remove NatureConnect link



Reboot NatureConnect link



1. Remove power for 10 seconds.
2. Wait 5 minutes until the NC link has fully started before continuing.*
3. Go back to step 4: "Find and assign the NatureConnect link connected with a SNS210"

* During the NC link boot process, the SNS210 loses power temporarily. If this happens during the commissioning processes, you might have to reset the SNS210.

C What to do when system responds incorrectly to the inputs from the switch

It can happen that the scene is saved incorrectly and that the system does not respond or triggers the wrong light experience when pressing a scene button on the switch.

This typically happens when you do not wait for 5 seconds between changing the color temperature and pressing the create button.

Change the color temperature of the Energize scene to a wrong value on purpose (eg. 6600K) and save.

The first screenshot shows the 'Meeting room' group interface with the 'Scenes' tab selected. The 'Energize' scene is highlighted, and a blue circle with a '1' indicates the 'Edit scene' button. The second screenshot shows the 'Edit scene' dialog with the 'Energize' scene selected. The 'Master control (full group)' section shows the color temperature slider set to 6600K, with a blue circle and '1' indicating the slider. The third screenshot shows the 'Save' button at the bottom of the 'Edit scene' dialog, with a blue circle and '3' indicating it. A blue circle with a '2' is placed over the 'Save' button, with the text 'Wait 5 seconds, after setting CCT, before clicking on "Save"'.

- 1
- 2 Wait 5 seconds, after setting CCT, before clicking on "Save"
- 3

Change the color temperature of the Energize scene back to correct value (2800K) and save.

The first screenshot shows the 'Meeting room' group interface with the 'Scenes' tab selected. The 'Energize' scene is highlighted, and a blue circle with a '1' indicates the 'Edit scene' button. The second screenshot shows the 'Edit scene' dialog with the 'Energize' scene selected. The 'Master control (full group)' section shows the color temperature slider set to 2800K, with a blue circle and '1' indicating the slider. The third screenshot shows the 'Save' button at the bottom of the 'Edit scene' dialog, with a blue circle and '3' indicating it. A blue circle with a '2' is placed over the 'Save' button, with the text 'Wait 5 seconds, after setting CCT, before clicking on "Save"'.

- 1
- 2 Wait 5 seconds, after setting CCT, before clicking on "Save"
- 3

Repeat the same steps for Relax scene



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