NatureConnect
by Signify

NatureConnect link
LP912P NC2 CONTENT GENERATOR

CE · c(UL)us LISTED · 100 V 240 V · 50 Hz 60 Hz · indoor · max 35 °C min 0 °C
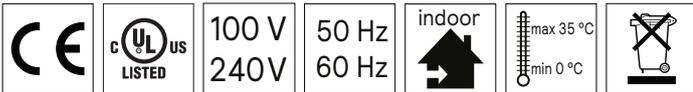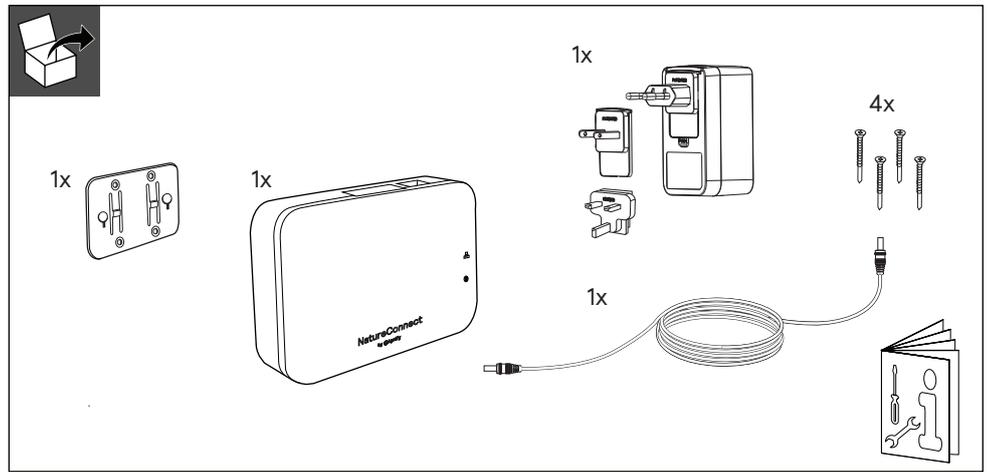
	Power	Current	Dimensions LxWxH	
NatureConnect link	15 W	0.525 A	162x110x37 mm	0.5 kg

110 · 37 · 162

Removable terminal block
Slide DIP switches
Rotary DIP switches
Power LED
Network LED
Internet/NTP LED
Service button
Ethernet RJ45 port

24V 0.875A

Wall mounting

< 1.8 mm

1

Data subject to change without notice
www.signify.com/natureconnect
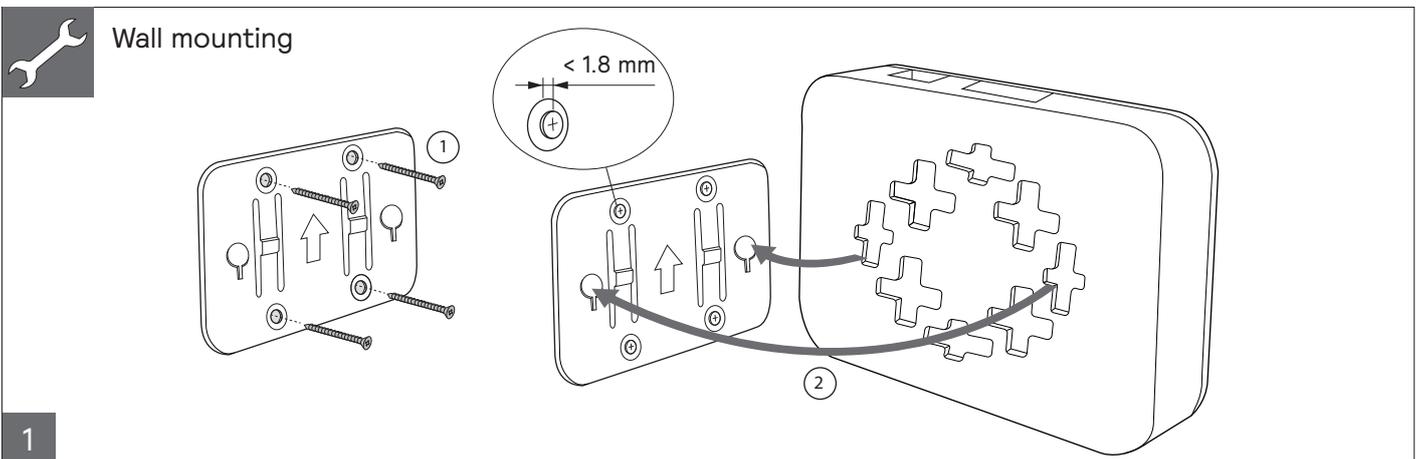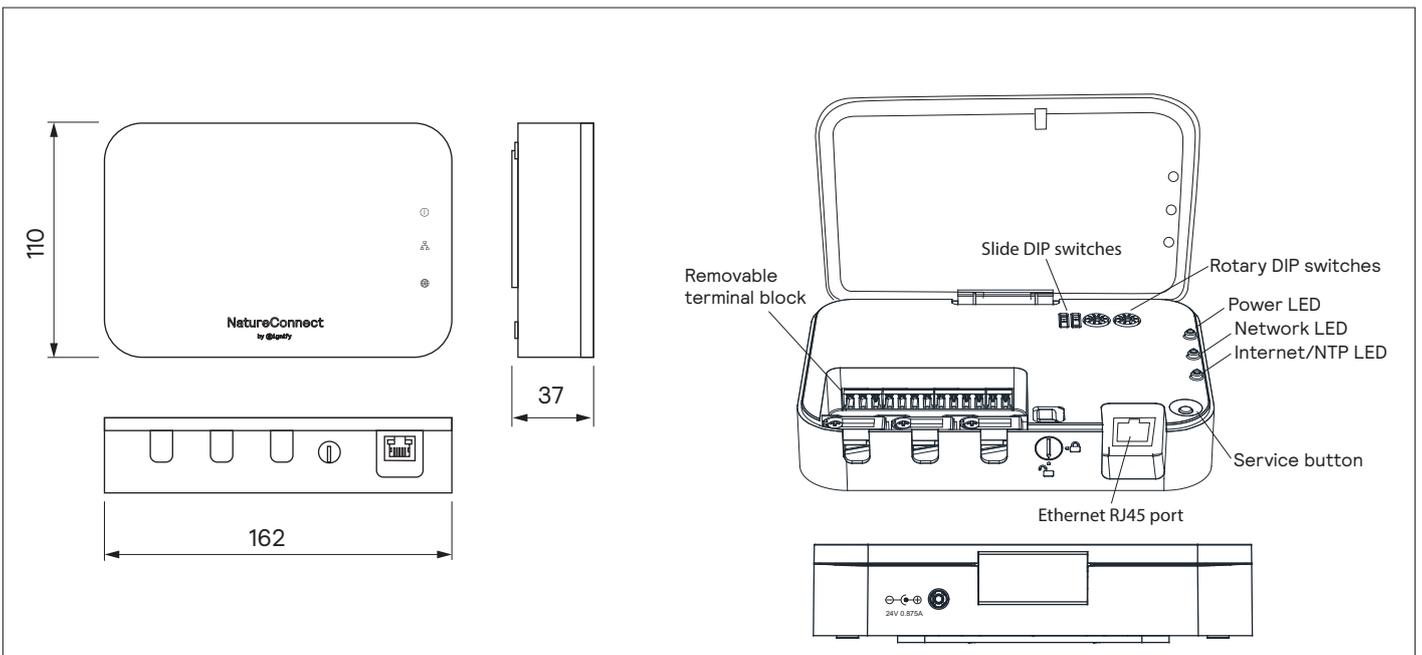
Open the cover
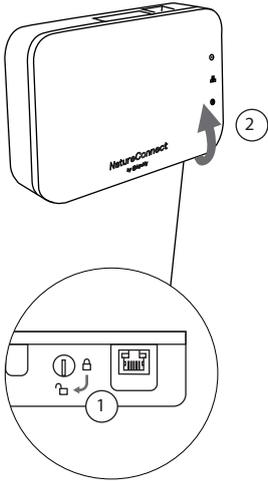
2

Wiring
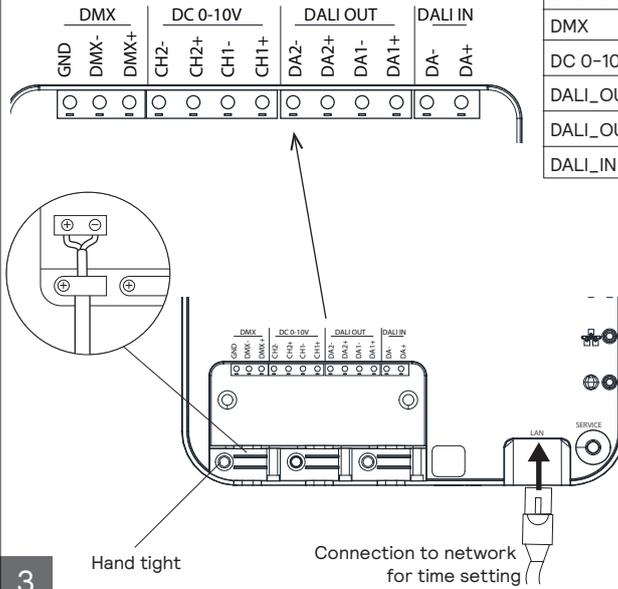
Interface	Description	Max output
DMX	NC DMX luminaires	30 mA 5 Vdc
DC 0-10V	not used	150 uA 10 V
DALI_OUT DA2	TW luminaires	250 mA 20.5 V
DALI_OUT DA1	NC DALI luminaires ★	250 mA 20.5 V
DALI_IN	control system ★	60 mA 20.5 V

DMX: GND DMX- DMX+
DC 0-10V: CH2- CH2+ CH1- CH1+
DALI OUT: DA2- DA2+ DA1- DA1+
DALI IN: DA- DA+

7 – 8 mm
20 mm
0.25 – 1.5 mm2

cable Ø 5 – 8 mm
cable Ø 2 – 5 mm – reverse clip

Hand tight

Connection to network
for time setting
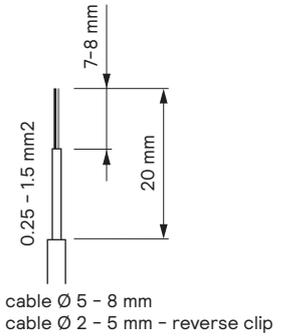
★ For Interact pro installation
check pages 6 and 7 of this document.

3

Set DIP switch for power supply of DALI_IN
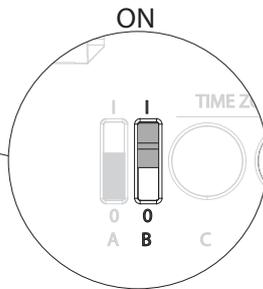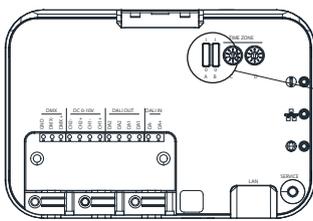
ON — for D4i compatible sensors
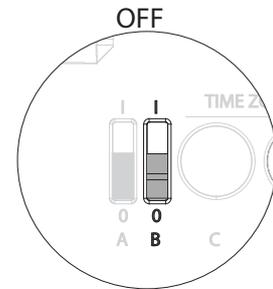
OFF — for DALI control systems

4

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

TIME ZONE

C D
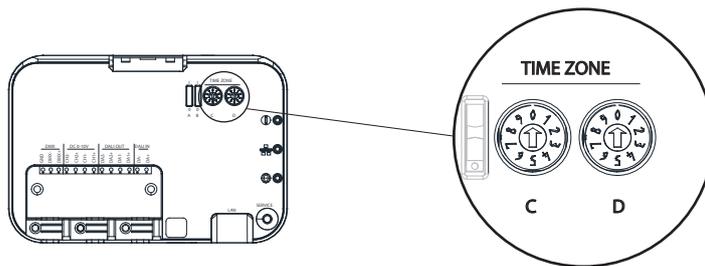
Example: setting the time zone for Prague

TIME ZONE

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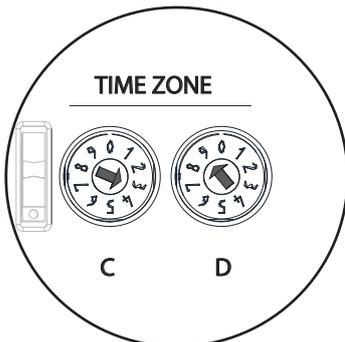
3	9	(UTC+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague

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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, Vienna	8	8	(UTC+08:00) Taipei
3	9	(UTC+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague	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

Connect to power
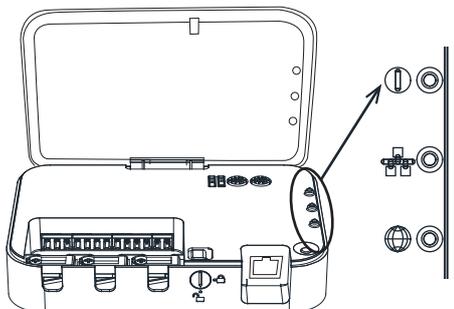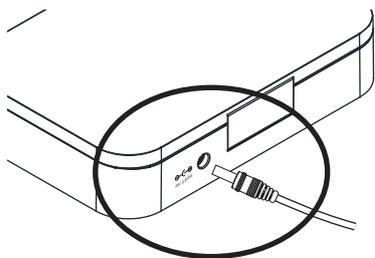
Power LED

LED on ⟶ ✔

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Test the connection with the luminaires by pressing the service button

Service

Color transition = ✔
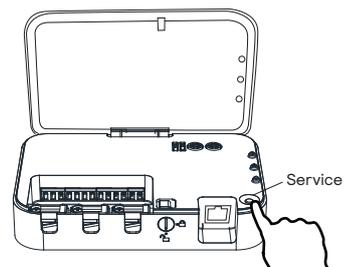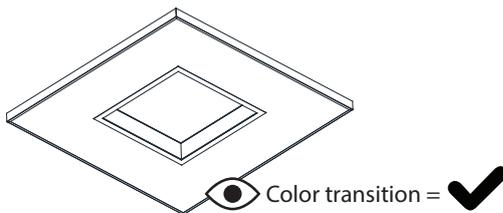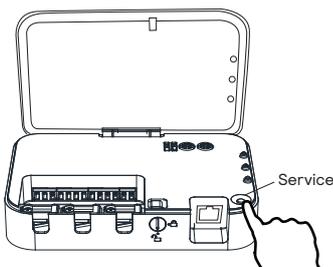
Service

① Press the "service" button to start the test

② Check luminaires

③ Press the "service" button to finish the test

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Time configuration - two methods

🛈 Time is already configured from production date 23W48. Please check on the box label.

**1** Connect (temporarily) to a wired network that has access to internet/NTP

NTP LED

LED on ⟶ time acquired from NTP server

Connection to network

2 Manually set the time with Windows configuration app
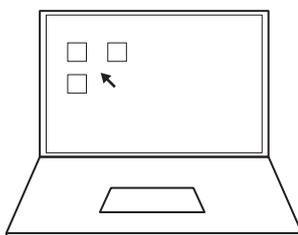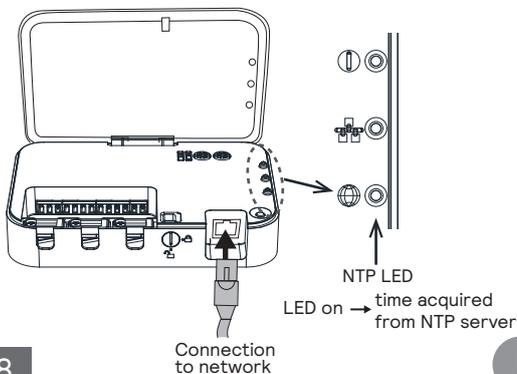
www.signify.com/natureconnect

❗ Once the time is set, NatureConnect link will keep the time without permanent internet connection.

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Close the cover

①

②
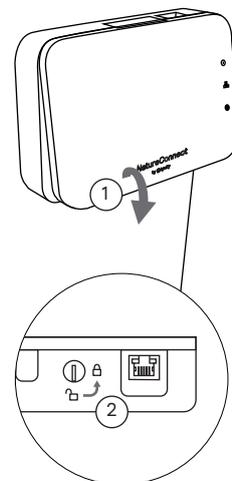
9

LED legend

LED 1 (Red) Power status:
- OFF when no power to the device
- ON when power is on

LED 2 (Blue) Network status (only after booting finished):
- OFF when no network link
- BLINKING when network link available but no IP address assigned
- ON when network link available and IP address assigned

LED 3 (Yellow) NTP status and Booting status
- OFF when still booting
- BLINKING the device has been boot up completely but it is not connected to NTP server
- ON The device has been boot up completely and is connected to NTP server

LED behavior with firmware < v1.2.2
Production date before 23W48

LED 3 (Yellow) Internet/NTP status:
- OFF when no internet
- BLINKING when internet available but NTP not available
- ON when internet and NTP available

Network connectivity

- **(Temporary) Network connection with a router**

To connect a NatureConnect link to the internet and/or a computer you need a router with a firewall and a DHCP server.

Internet — Router w/firewall — wired — NatureConnect link

wired or wireless — NatureConnect link configurator app (optional)
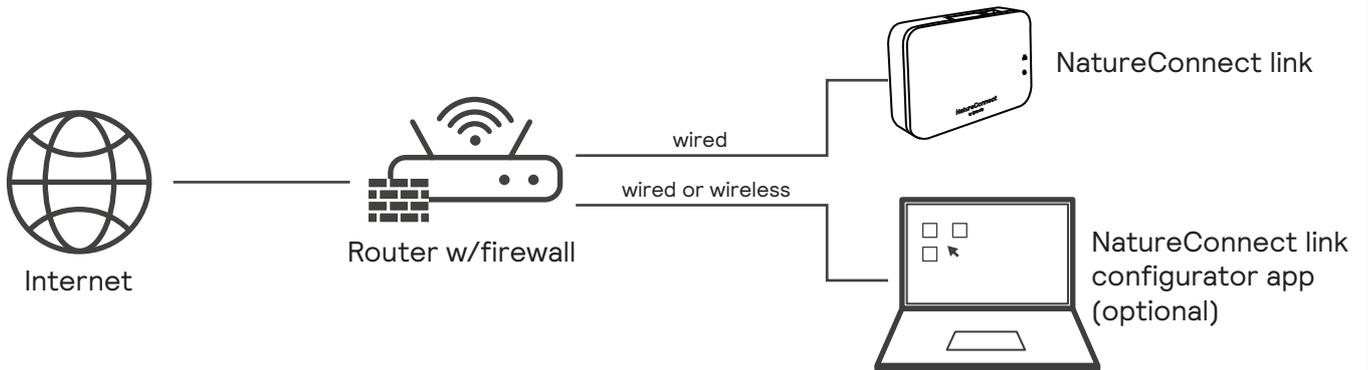
(!) Do not connect the NatureConnect link to the internet or other networks without a firewall.
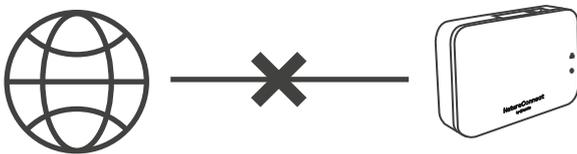
The NatureConnect link must be protected by a firewall when connecting it to the internet or other networks.

(!) Do not connect the NatureConnect link to a shared network.
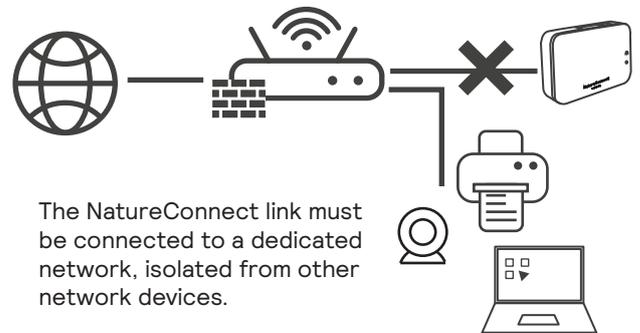
The NatureConnect link must be connected to a dedicated network, isolated from other network devices.

- **Temporary network connection without a router**

A Windows laptop can be used to create a temporary network by bridging the Wifi and Ethernet adapter.

Internet — 4G/5G — Mobile hotspot — WiFi — (laptop) — Ethernet — NatureConnect link

It's recommended to connect to a mobile hotspot.
Security on a corporate network can prevent this set-up from working.
This will also isolate the NC link from other devices on the local network.


Additional notes

- For reset to factory default settings: long press (10 seconds) on Service button.

- Recommended to change the password at first use.

System architecture for Interact pro installations

NatureConnect link

NatureConnect luminaires

NatureConnect switch

SNS210 or SNS441

Wireless and battery free.
It needs to be commissioned to trigger the lighting scenes.

Enables the connection between User Interface and Link.

Commissioning through Interact PRO app

Time configuration is required for the correct functioning of the Day Rhythm scene
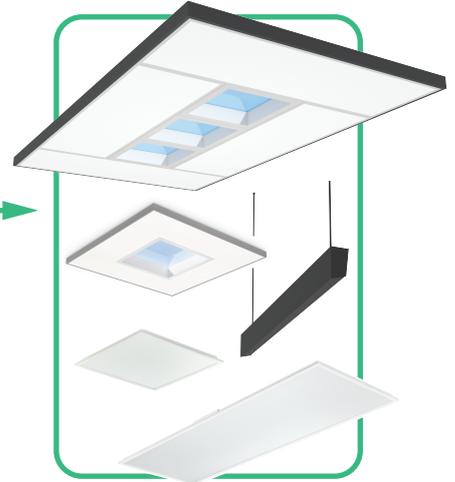
Tunable White DALI DT8 DIA

All luminaires connected to the same NatureConnect link will behave in the same way.

Wiring diagram for Interact pro installations

NatureConnect Lightscape
(optional)

Lightscape controller

⚡ Mains
220 – 240 V AC

DMX max. 300 m

NatureConnect luminaires

Network

NatureConnect Link

24 V

Adapter

⚡ Mains
100 – 240 V AC

DALI Out DA1 max. 300 m

⚡ Mains
220 – 240 V AC

DALI In max. 15 m

DALI Out DA2 max. 300 m

battery power motion sensor
(optional)

User interface

SNS210
SNS441

DALI DT8 luminires
(optional)

⚡ Mains
220 – 240 V AC