Manuals+ — User Manuals Simplified.

SALTO IQ3.0 Gateway Device System Installation Guide

SALTO IQ3.0 Gateway Device System

Contents

Dimension

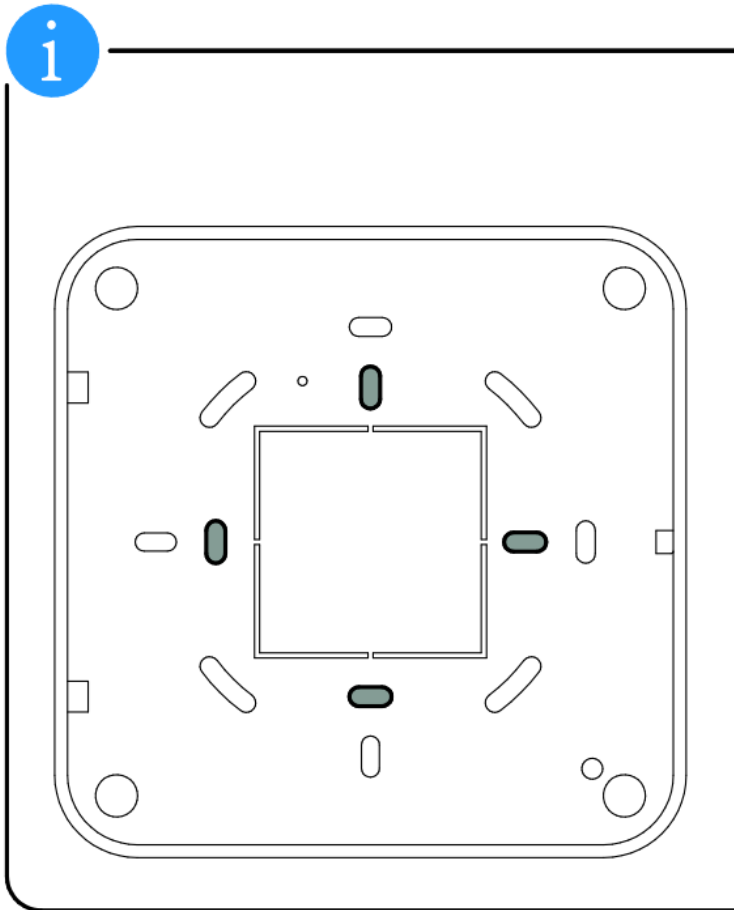 The IQ3 is a Gateway device that ensures the communication between Nebula and the SALTO Bulent devices providing the SVN (SALTO Virtual Network) features.

It is equipped with an Ethernet, WIFI (*), Bluetooth and RS-485 interface. (*) Depending on the model.
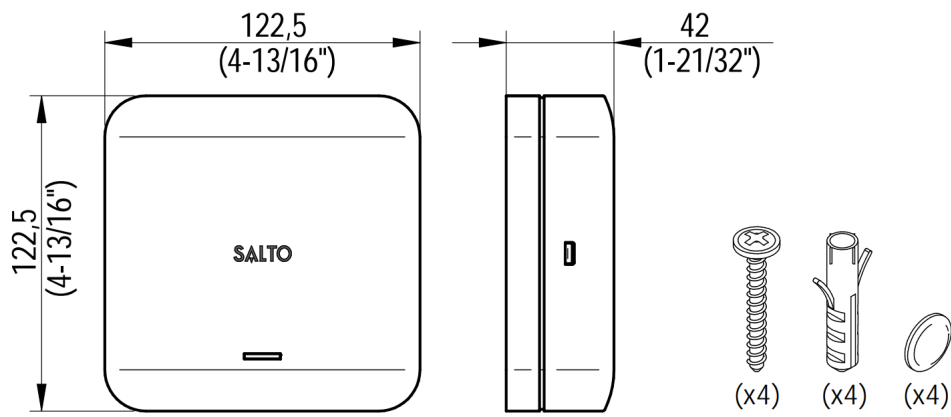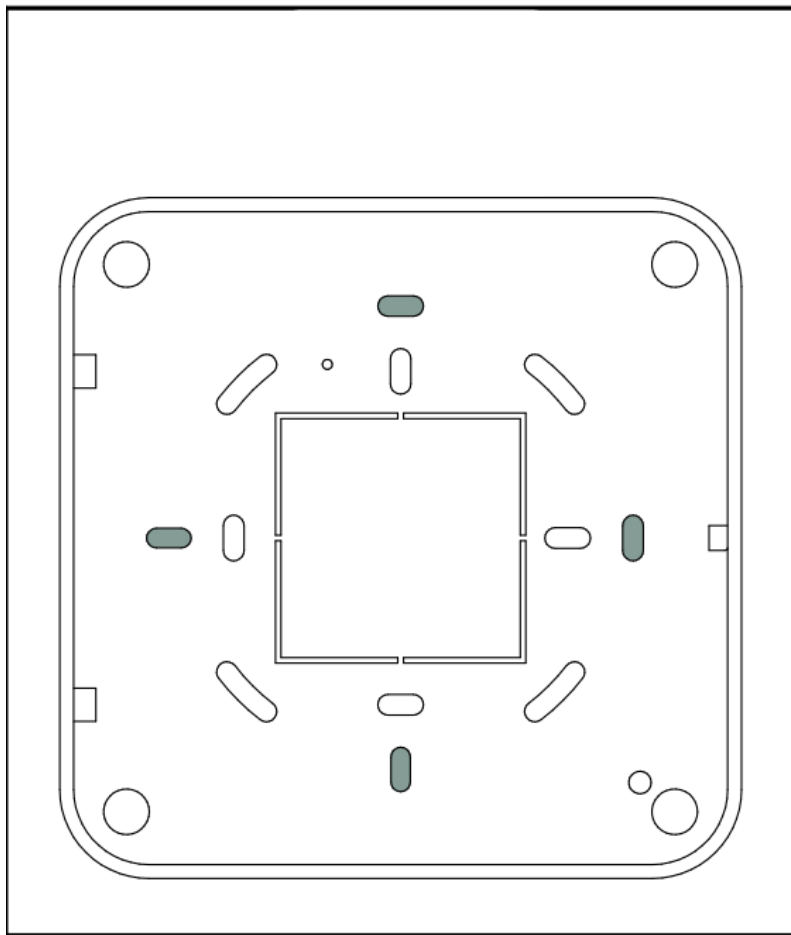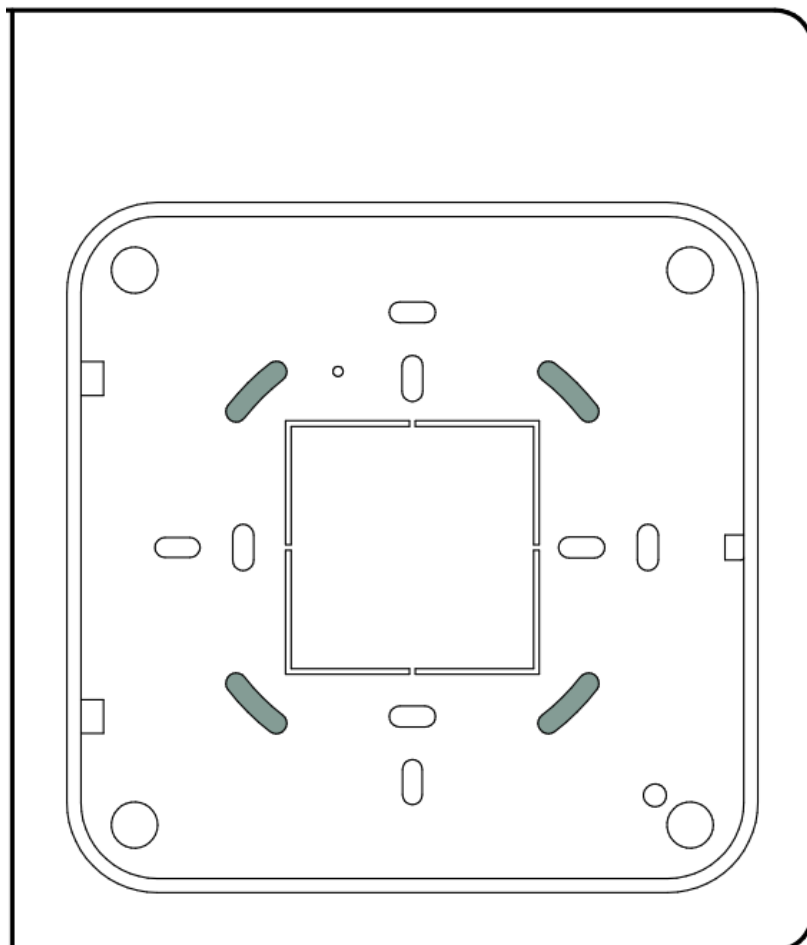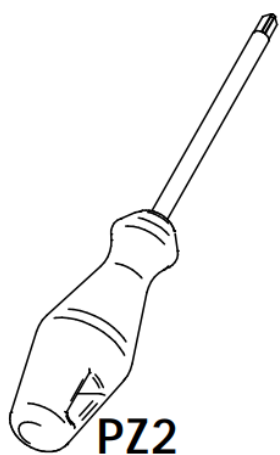

Installation
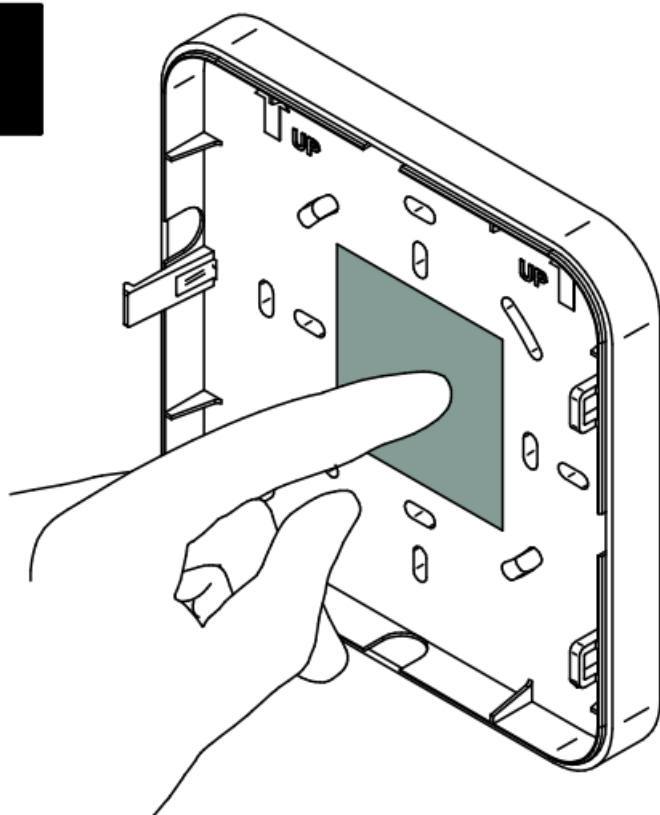
EUROPE EUROPA

NORTH AMERICA
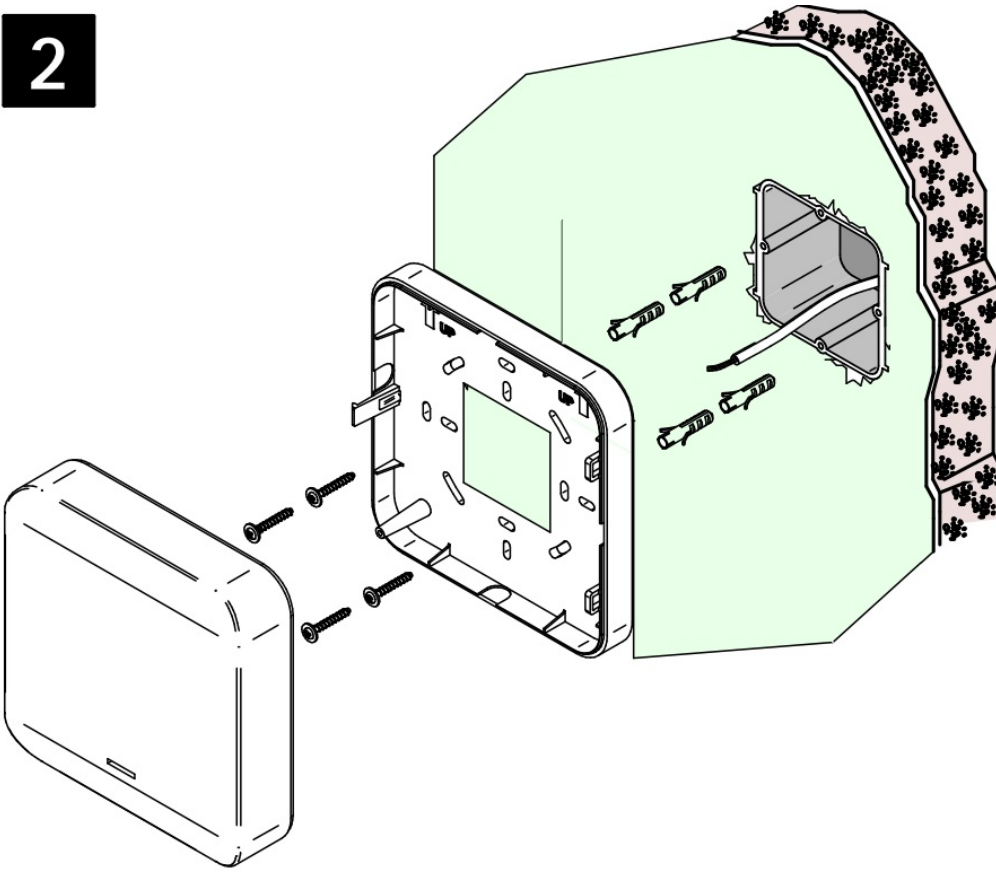
SWISS

CEILING/WALL INSTALLATION WITH HIDDEN CABLE
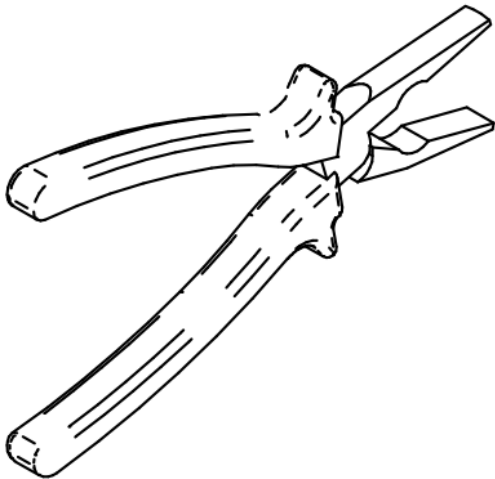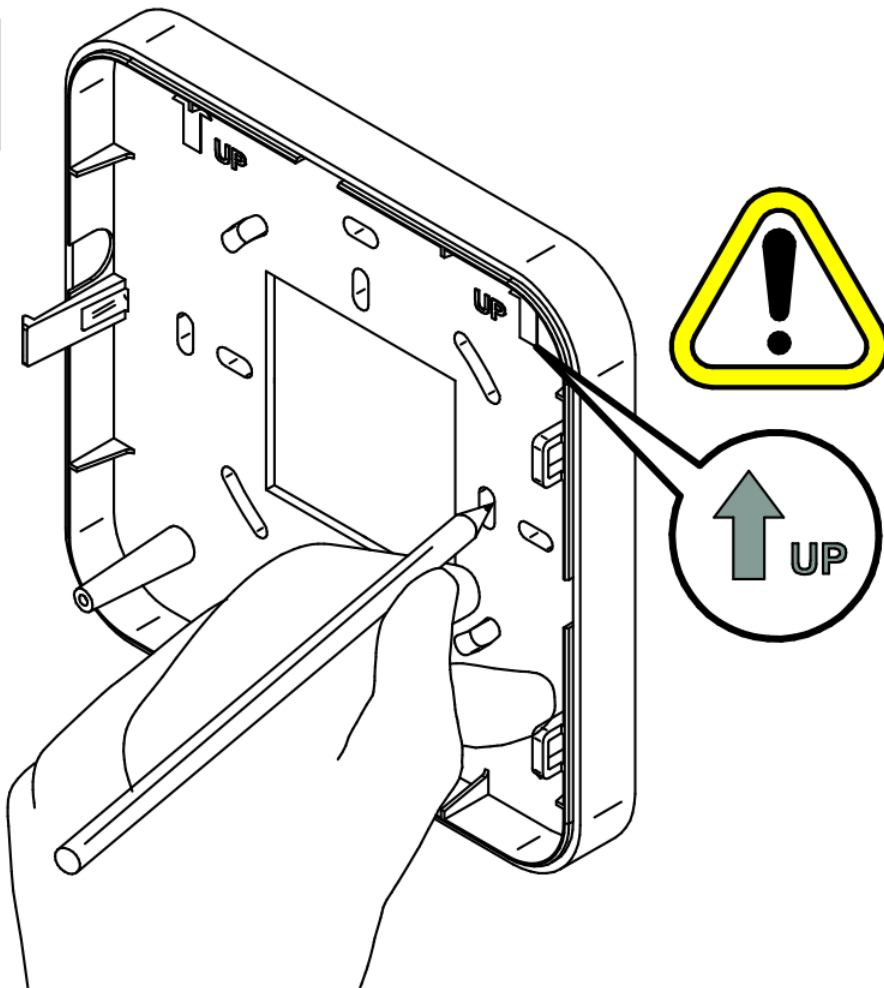
PZ2

Remove!

1

2

CEILING/WALL INSTALLATION WITH EXPOSED CABLE

PZ2

1

UP

2

⌀5
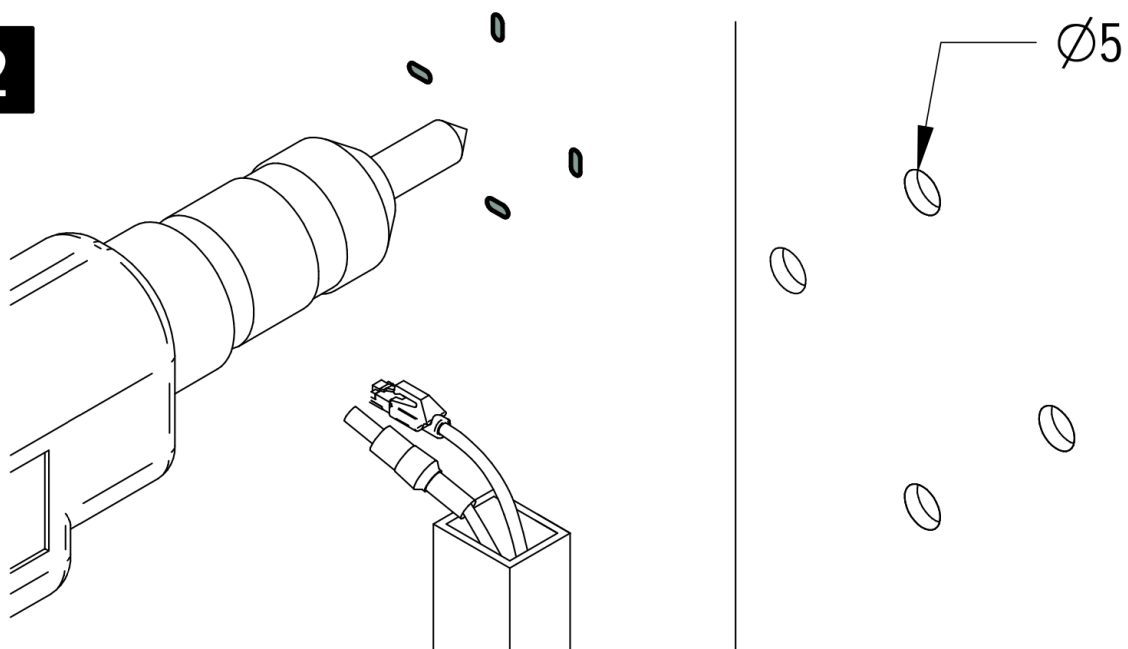
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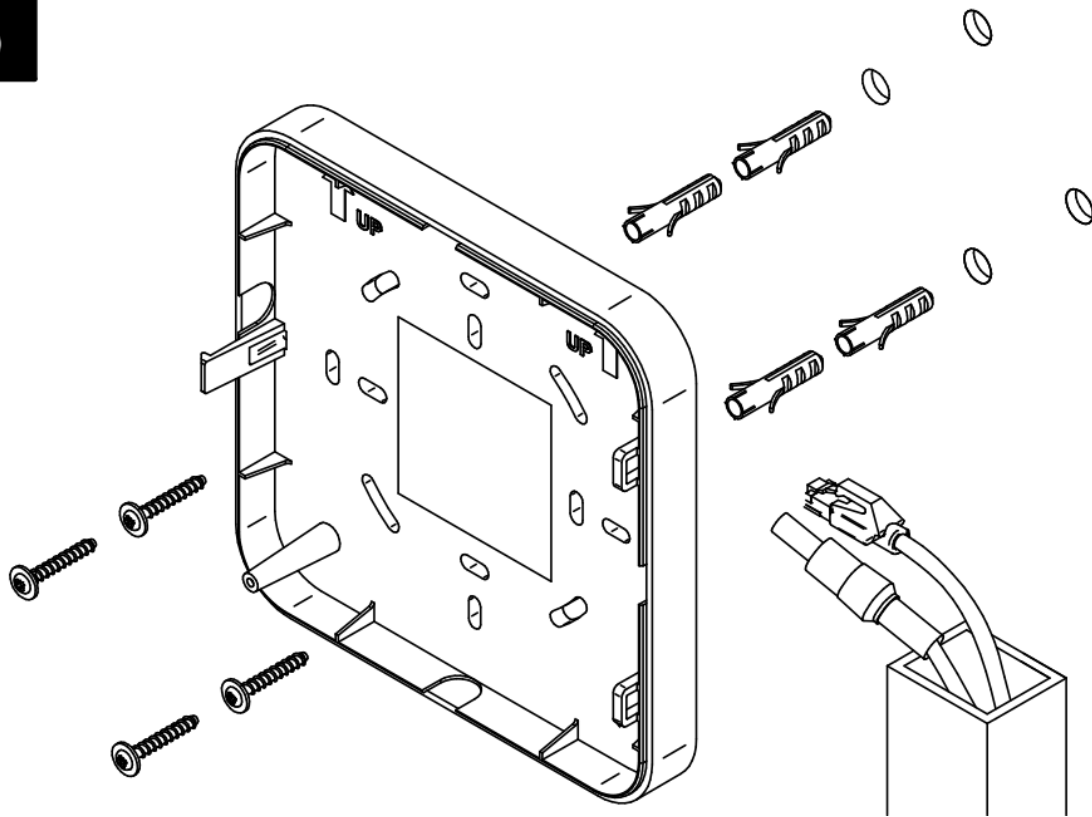
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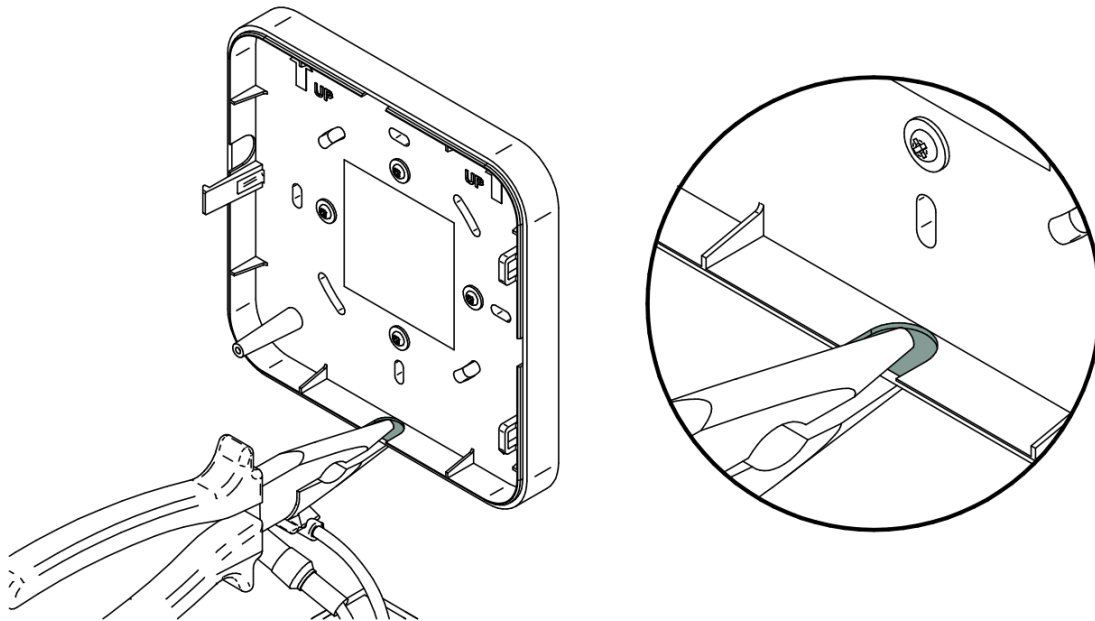
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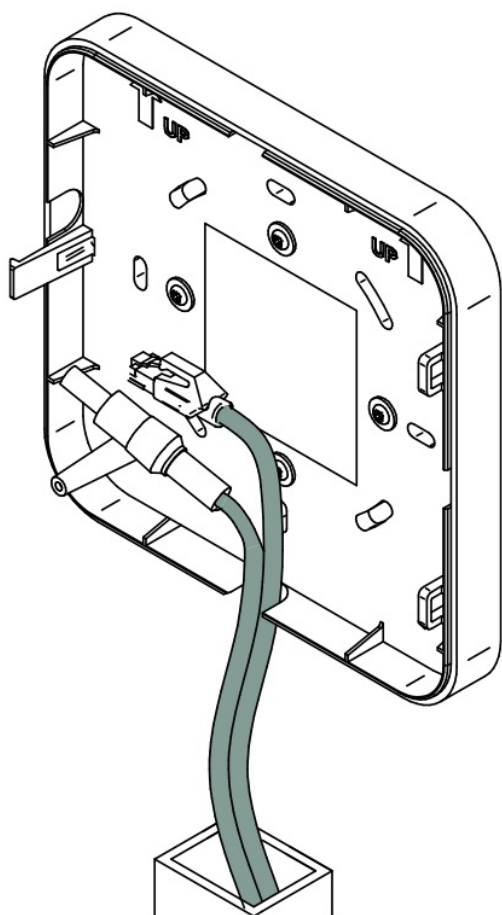
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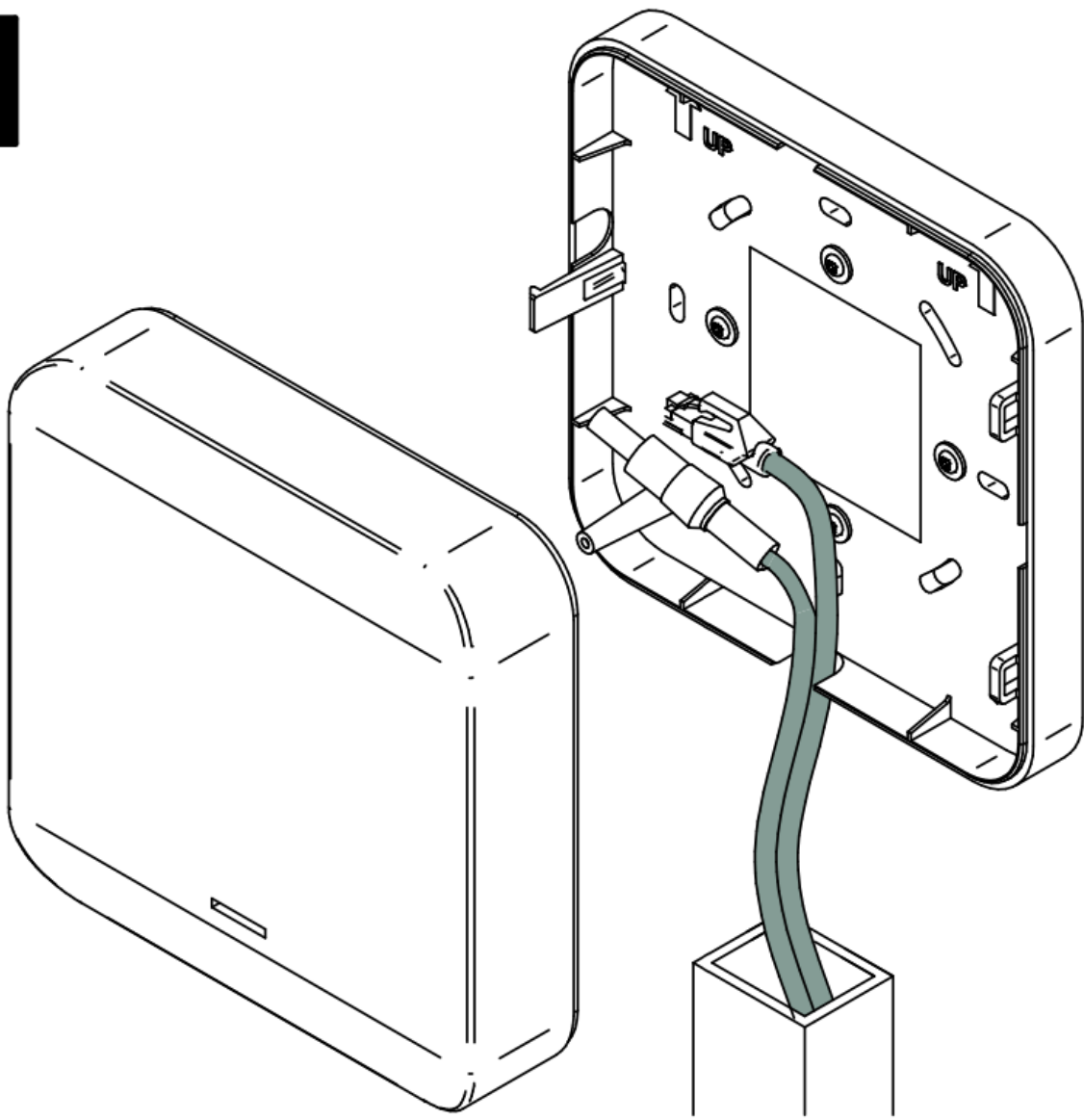
DESKTOP INSTALLATION

(x4)

1

2

3
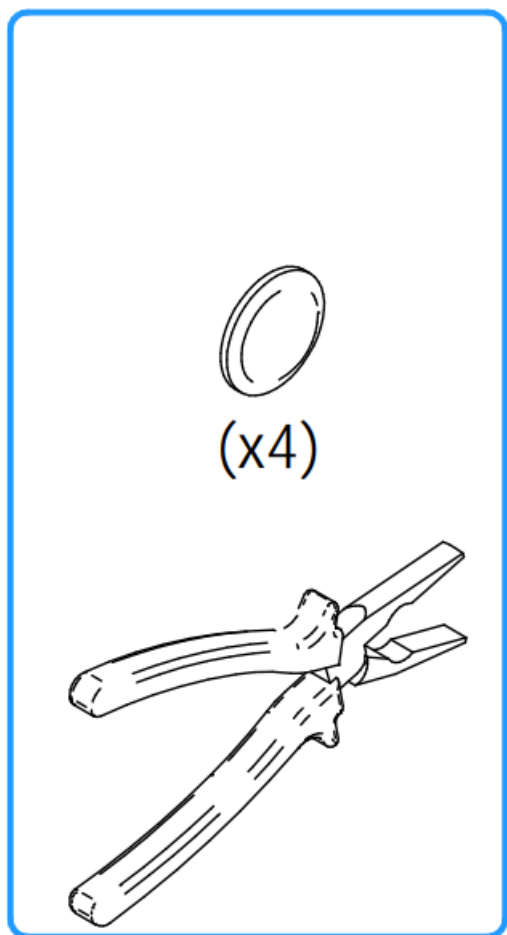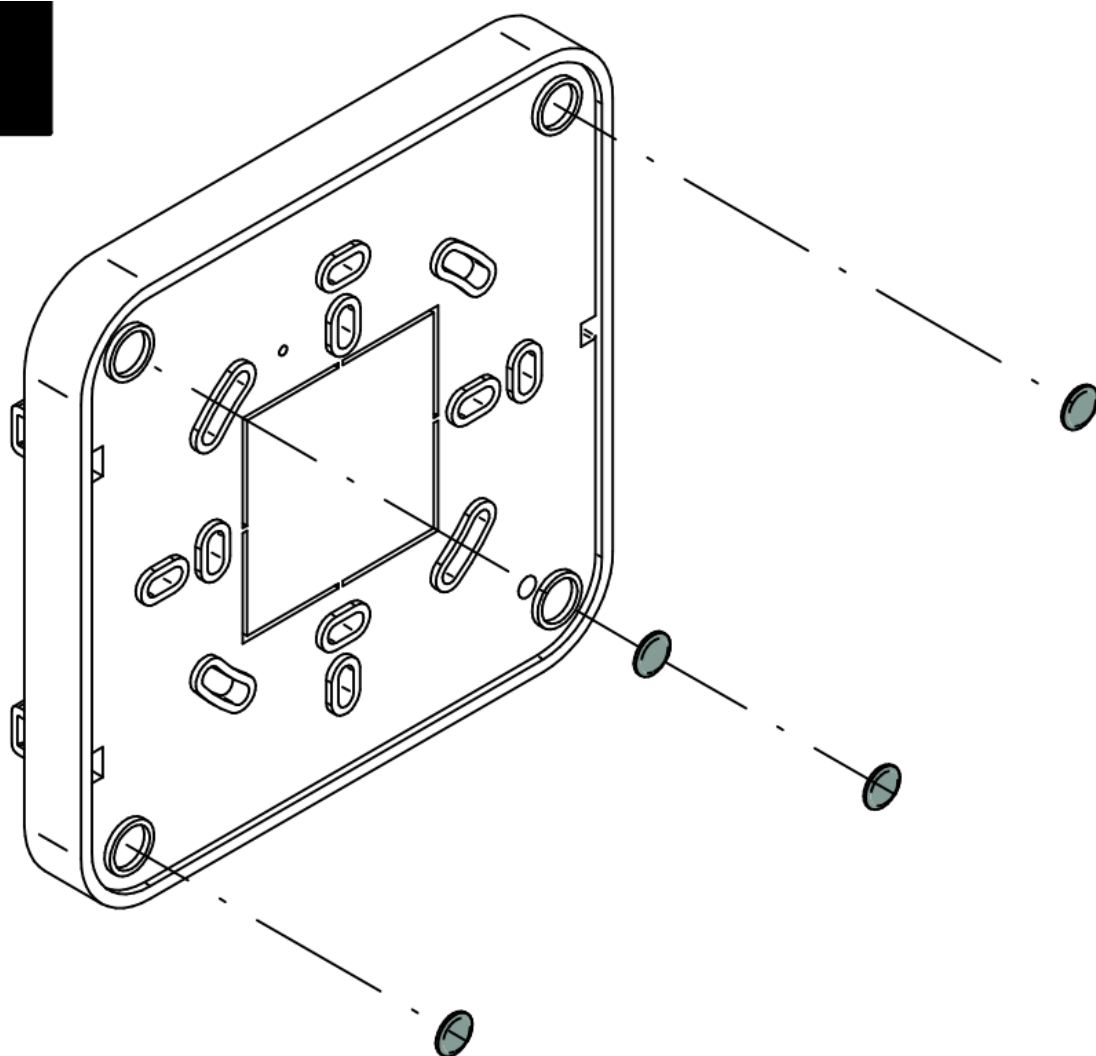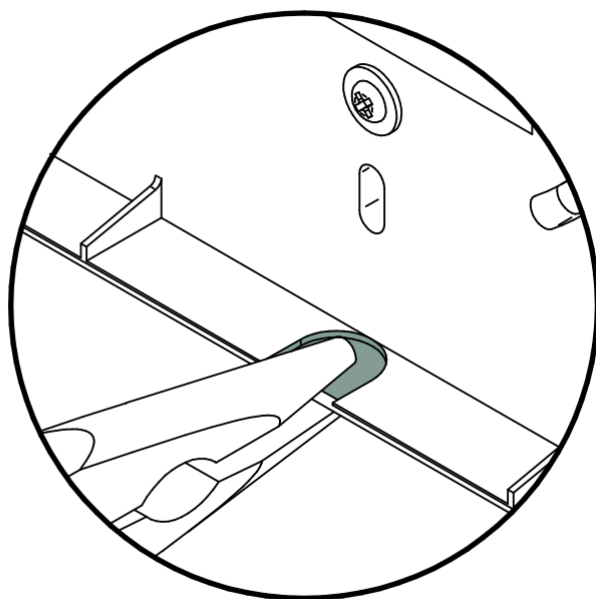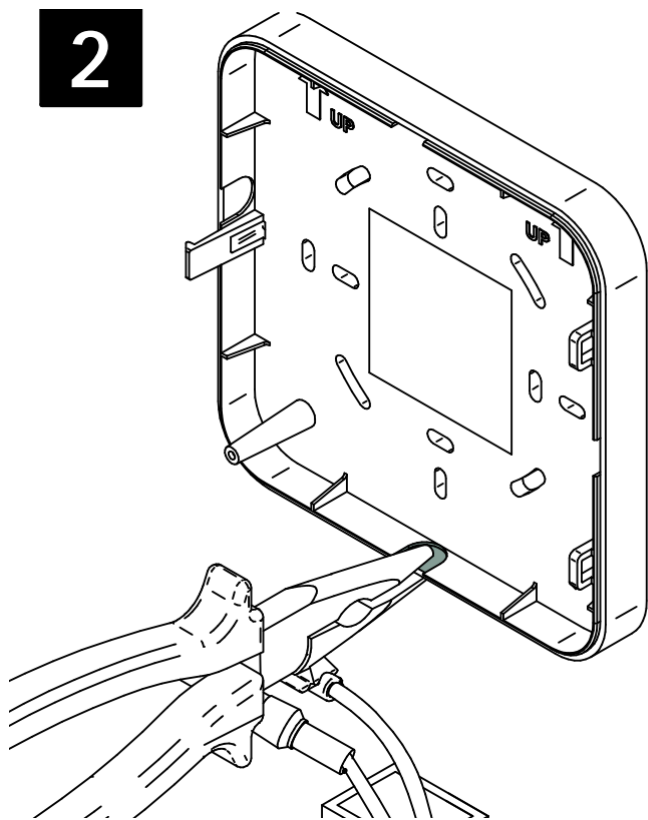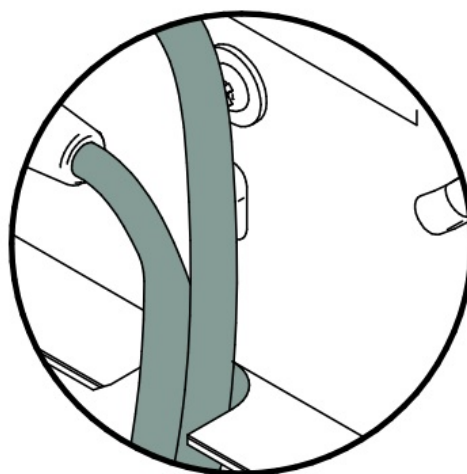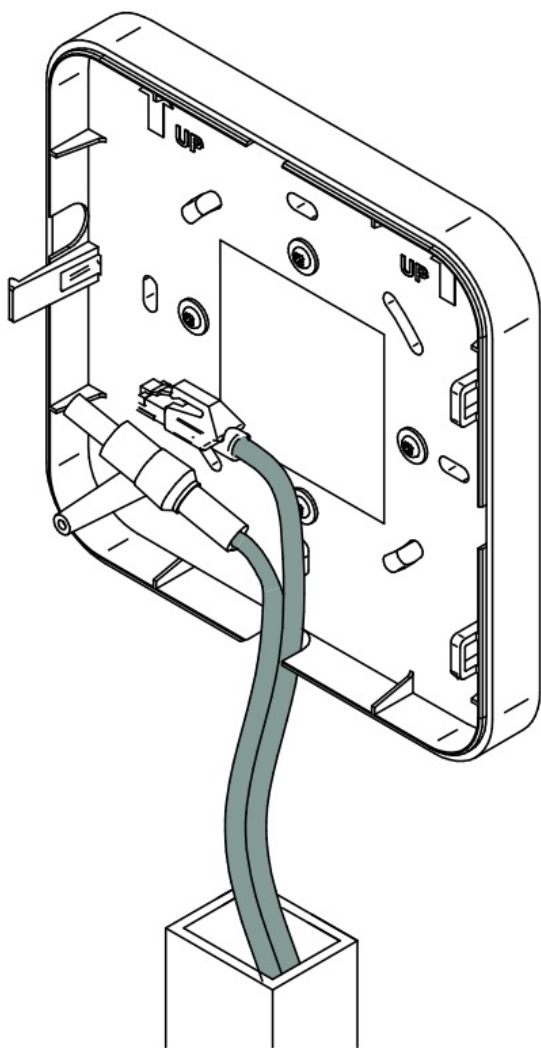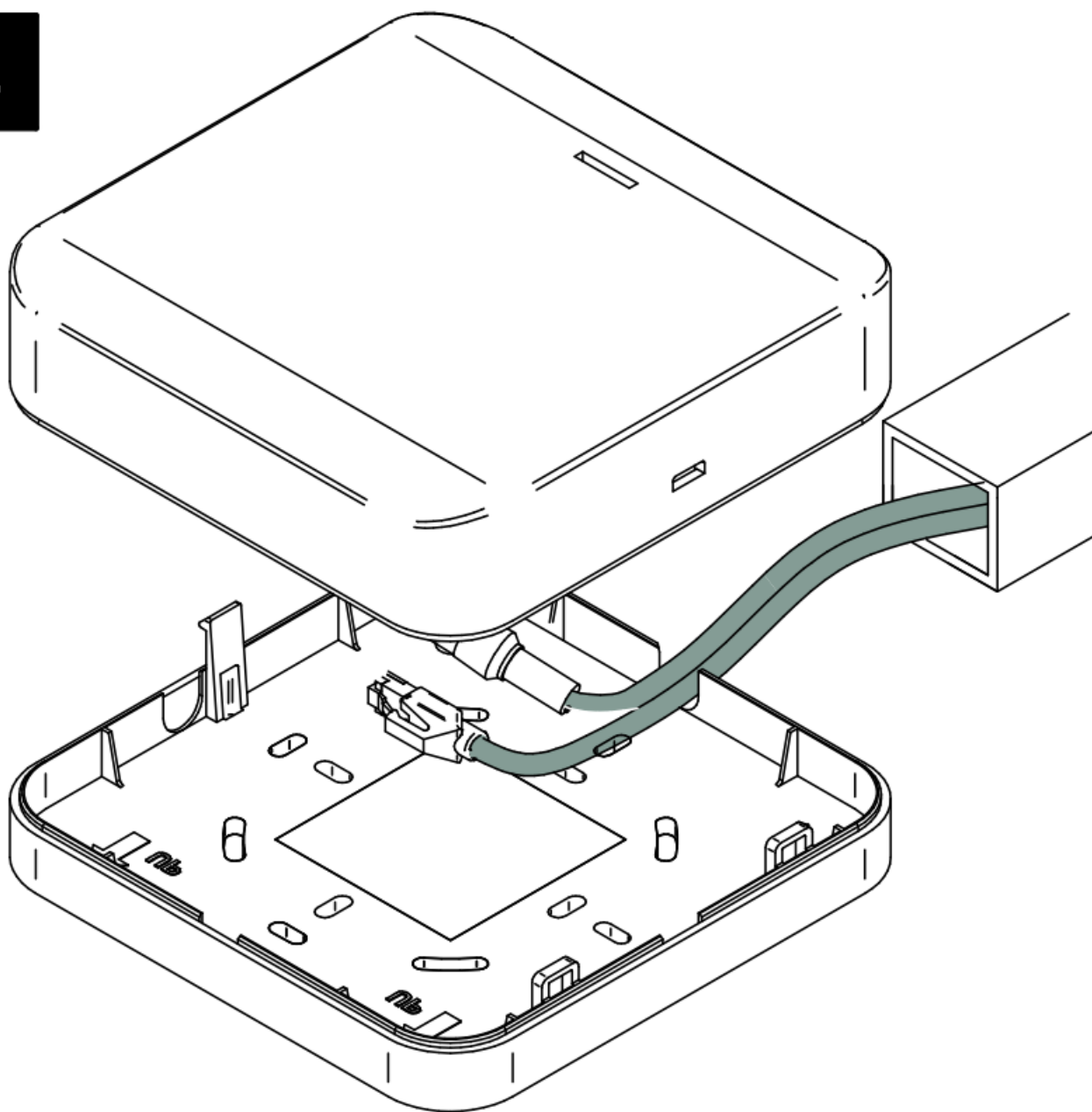
SEE WIRING DIAGRAM

Wiring

A. ETHERNET MODEL
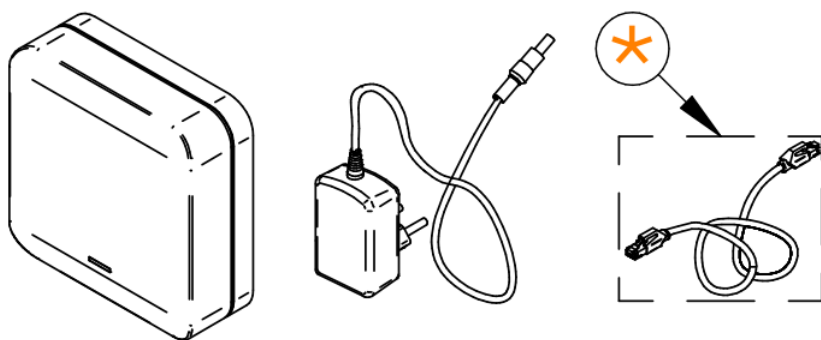
B. ETHERNET + POE MODEL
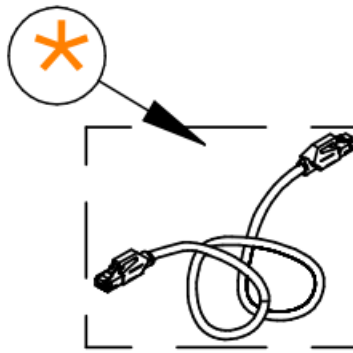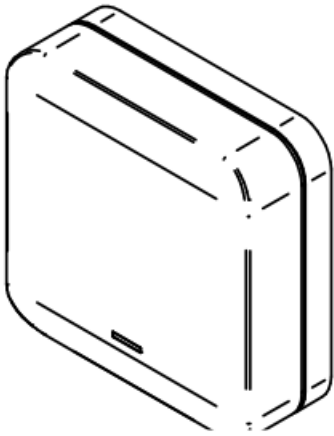
C. ETHERNET + WIFI MODEL
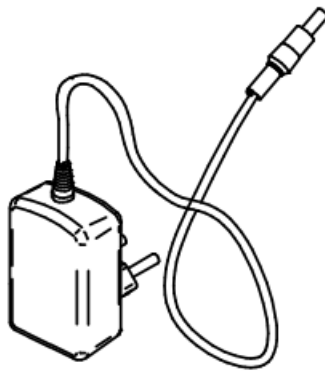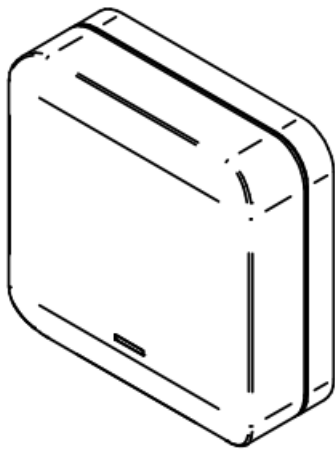
(*)Not included

 ETHERNET MODEL

Plug

1-a
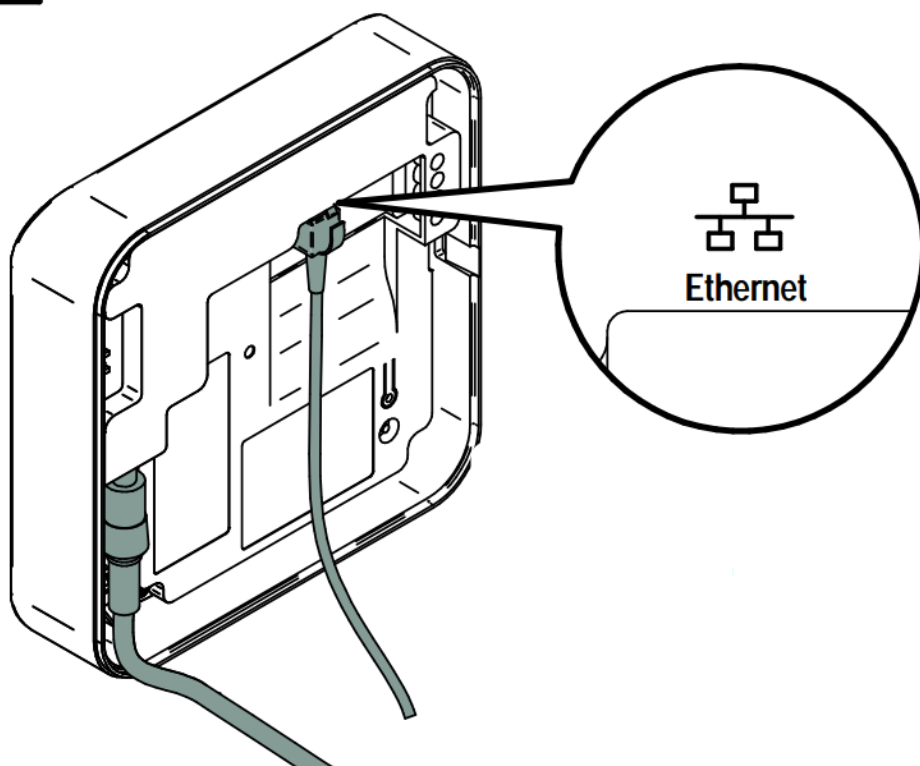
Ethernet

2-a
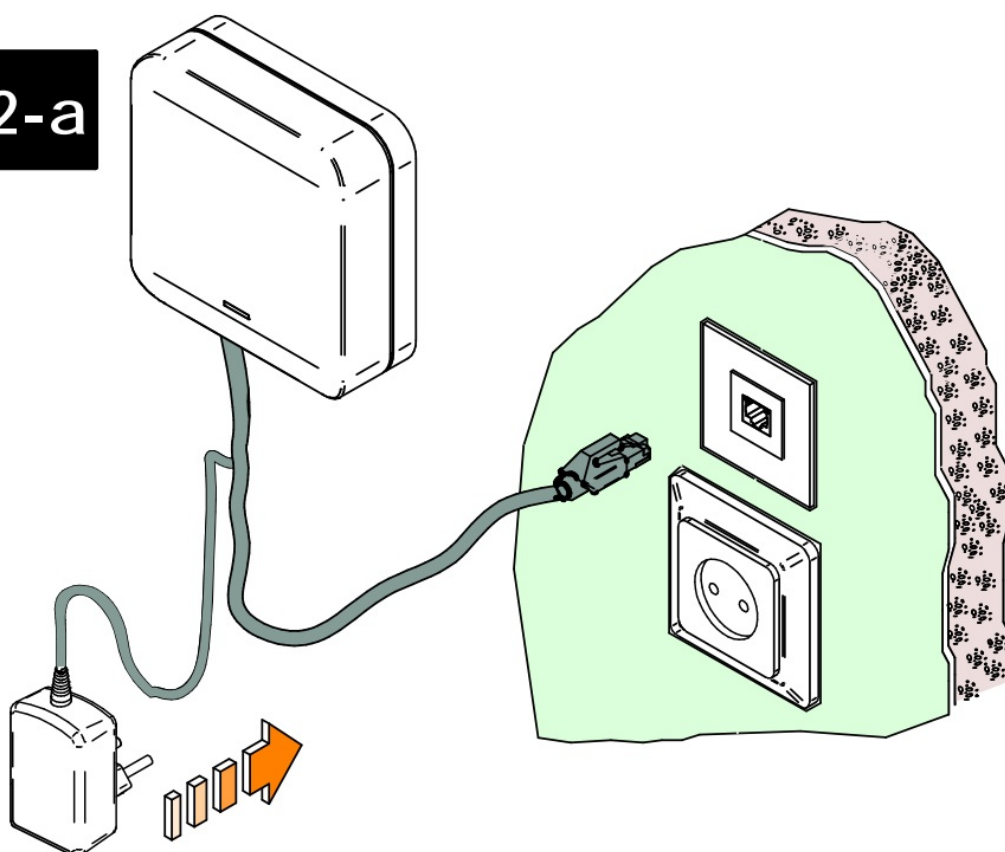
▼ⓑ **ETHERNET + POE MODEL**

Plug

1-b
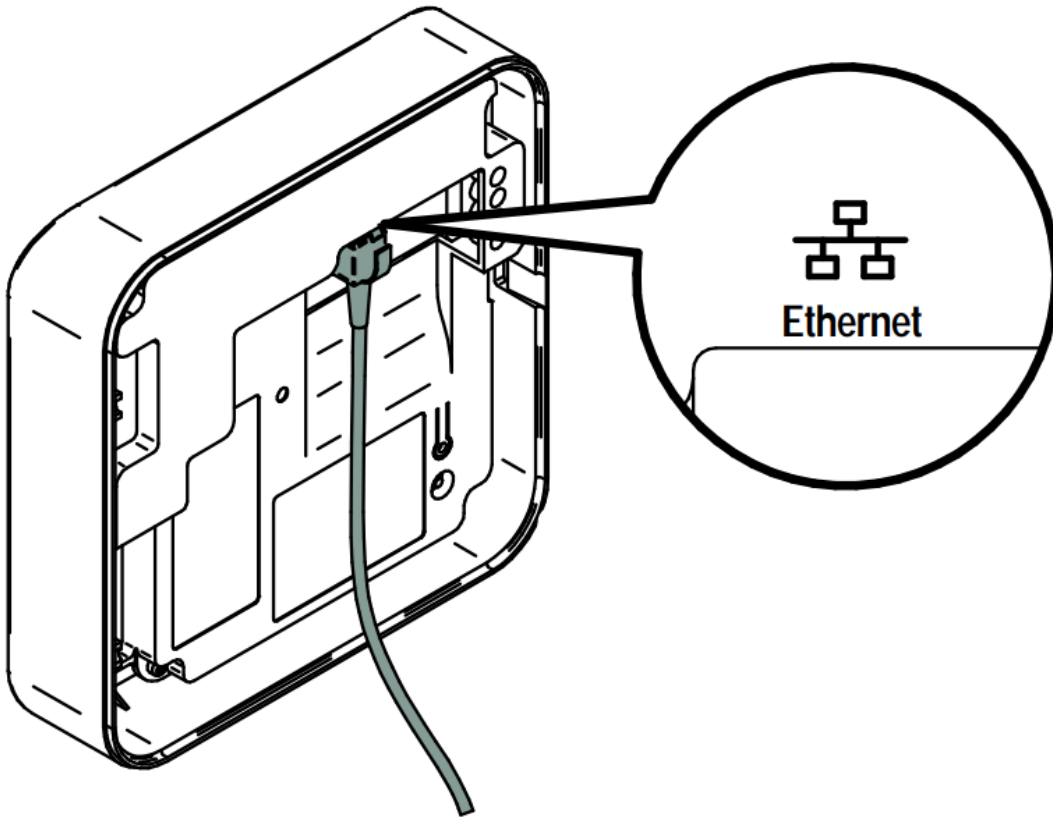
Ethernet

2-b
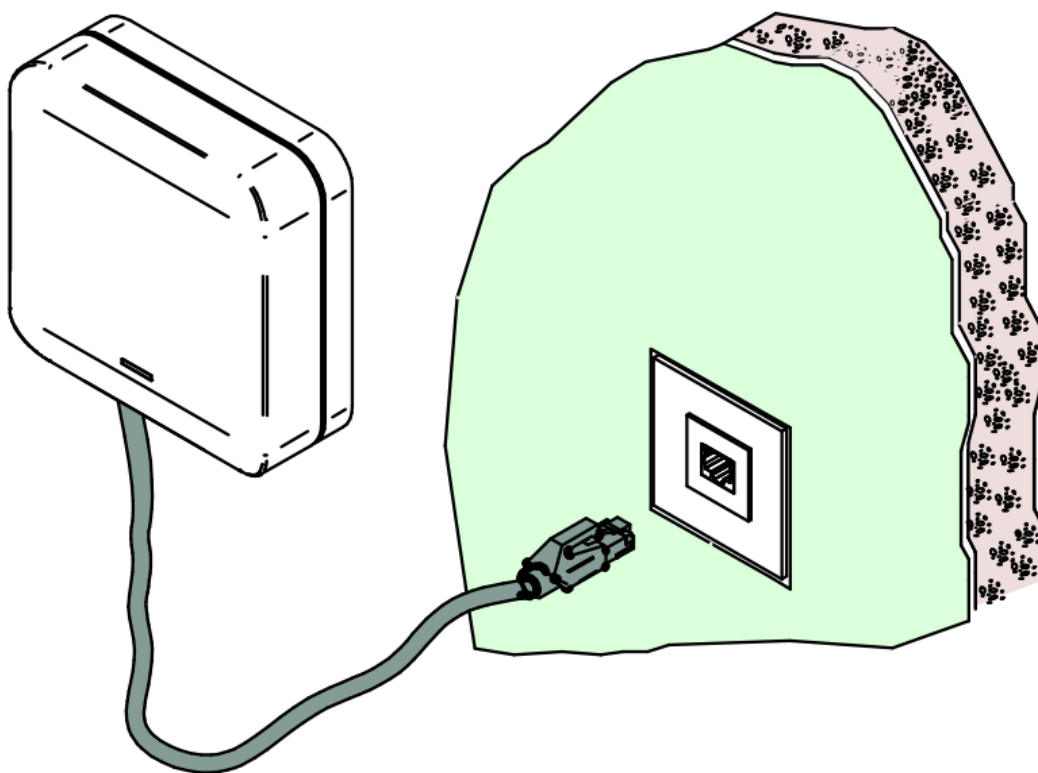
If there is no PoE infrastructure, use auxiliary power supply

Plug
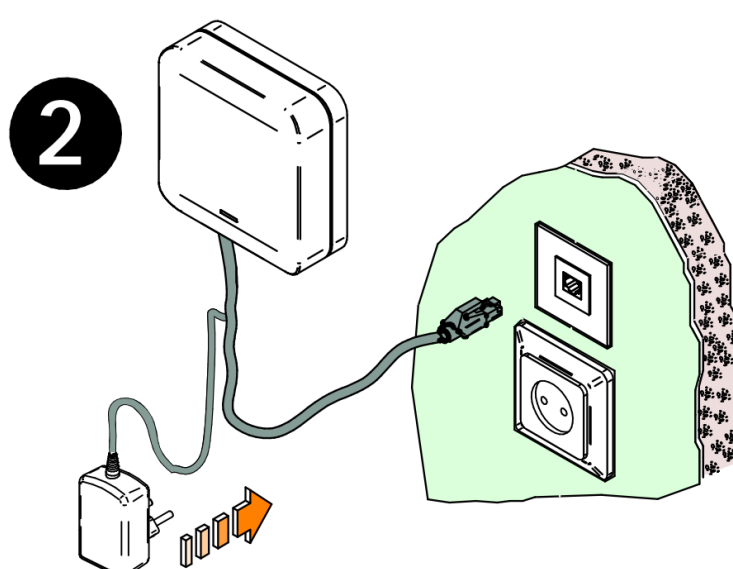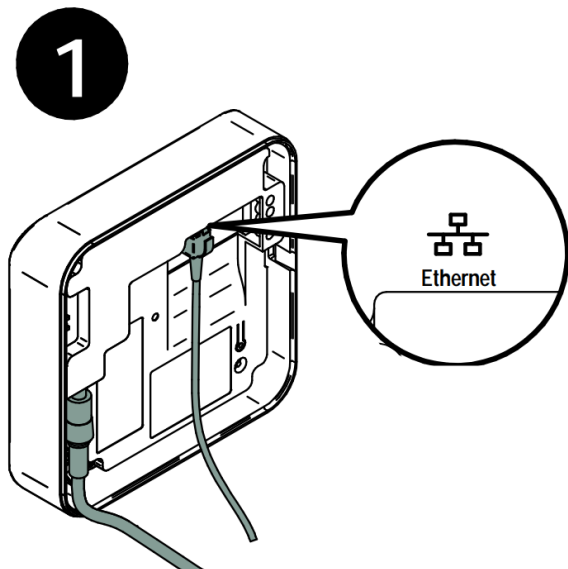
ETHERNET + WIFI MODEL

Plug

1-a
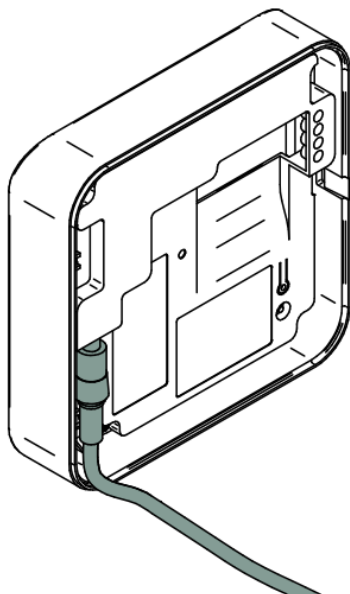
WiFi

2-a
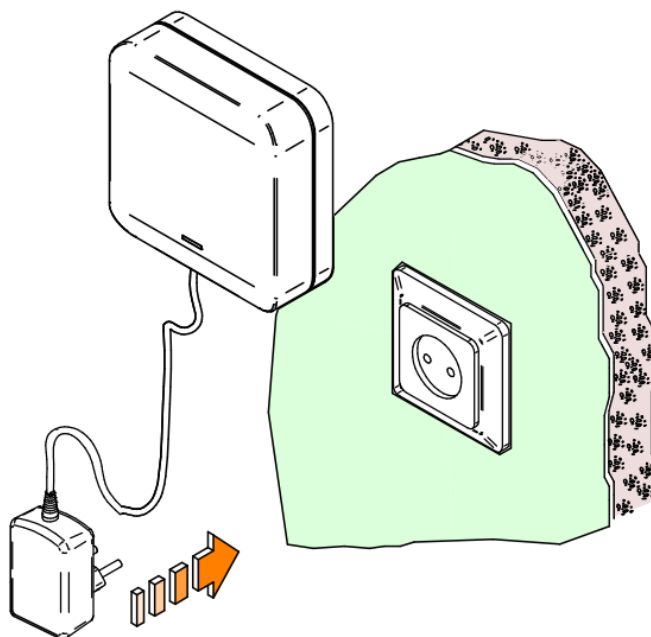
If you do not connect to a WIFI network, connect the Ethernet cable.

Plug

1

Ethernet
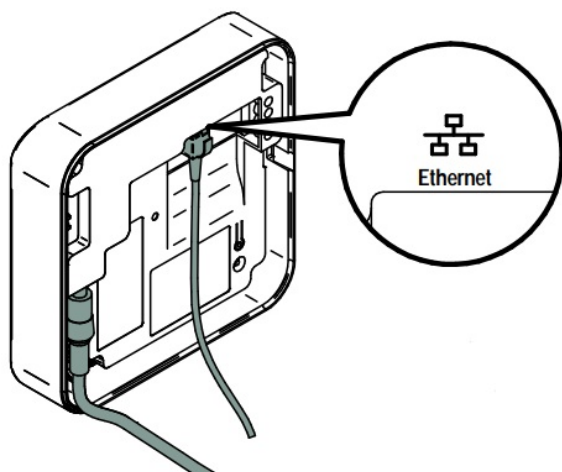
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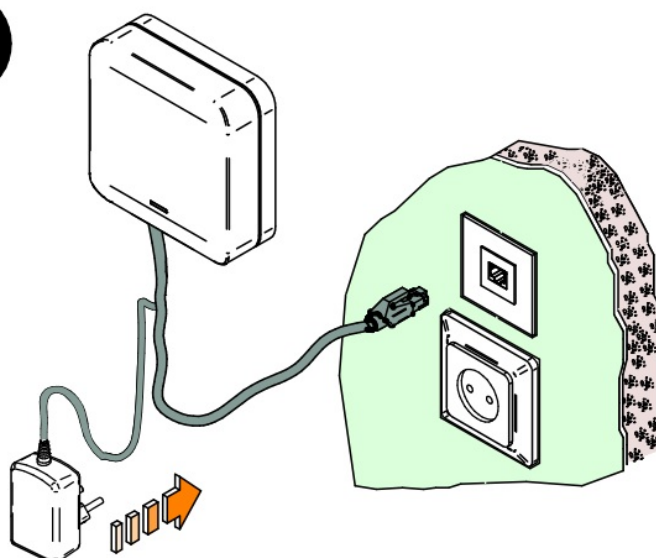
COMMUNICATION WIRING DIAGRAM IN IQ3/SALTO Node

RS485 CONNECTION TO TERMINAL
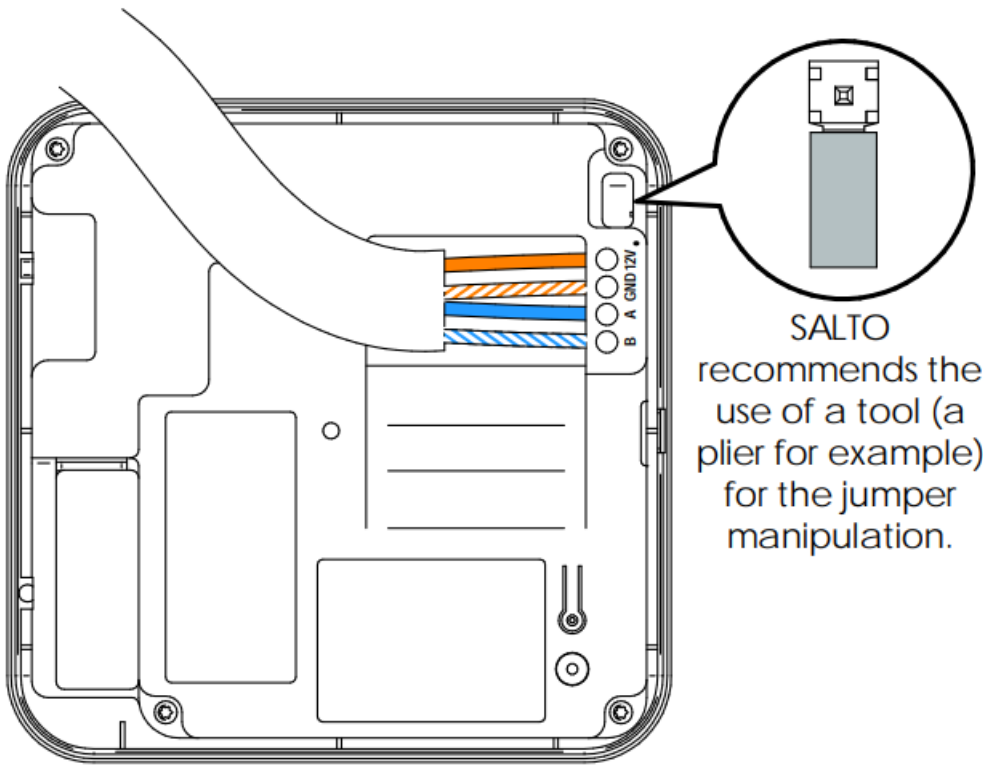
SALTO recommends the use of a tool (a plier for example) for the jumper manipulation.

⚠️ RS485 bus termination resistor is needed (ON position) when the node is located at the end of the bus.

RS485 Bus Termination

ON R OFF

CLR
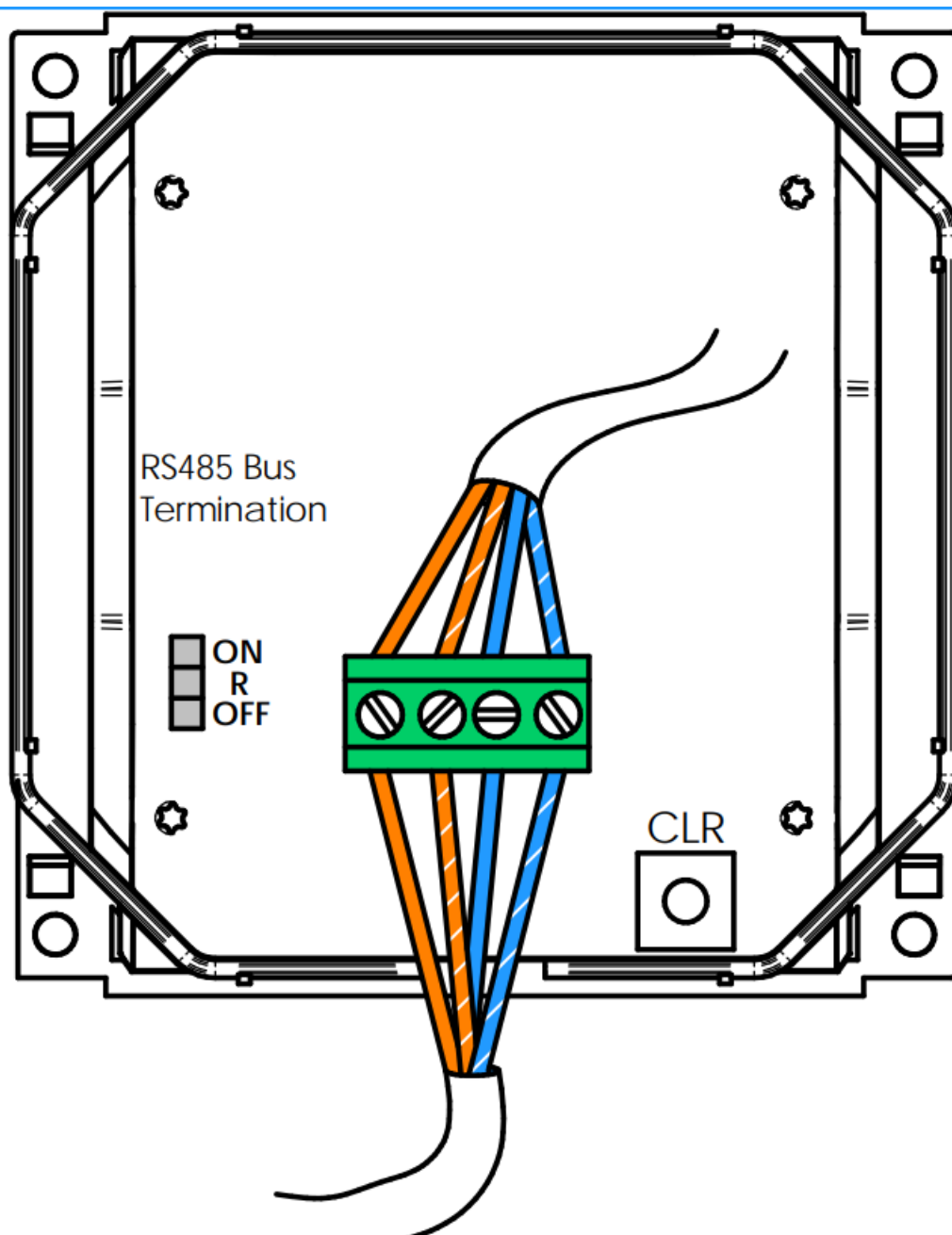
RS485 CONNECTION WITH CABLE JACK
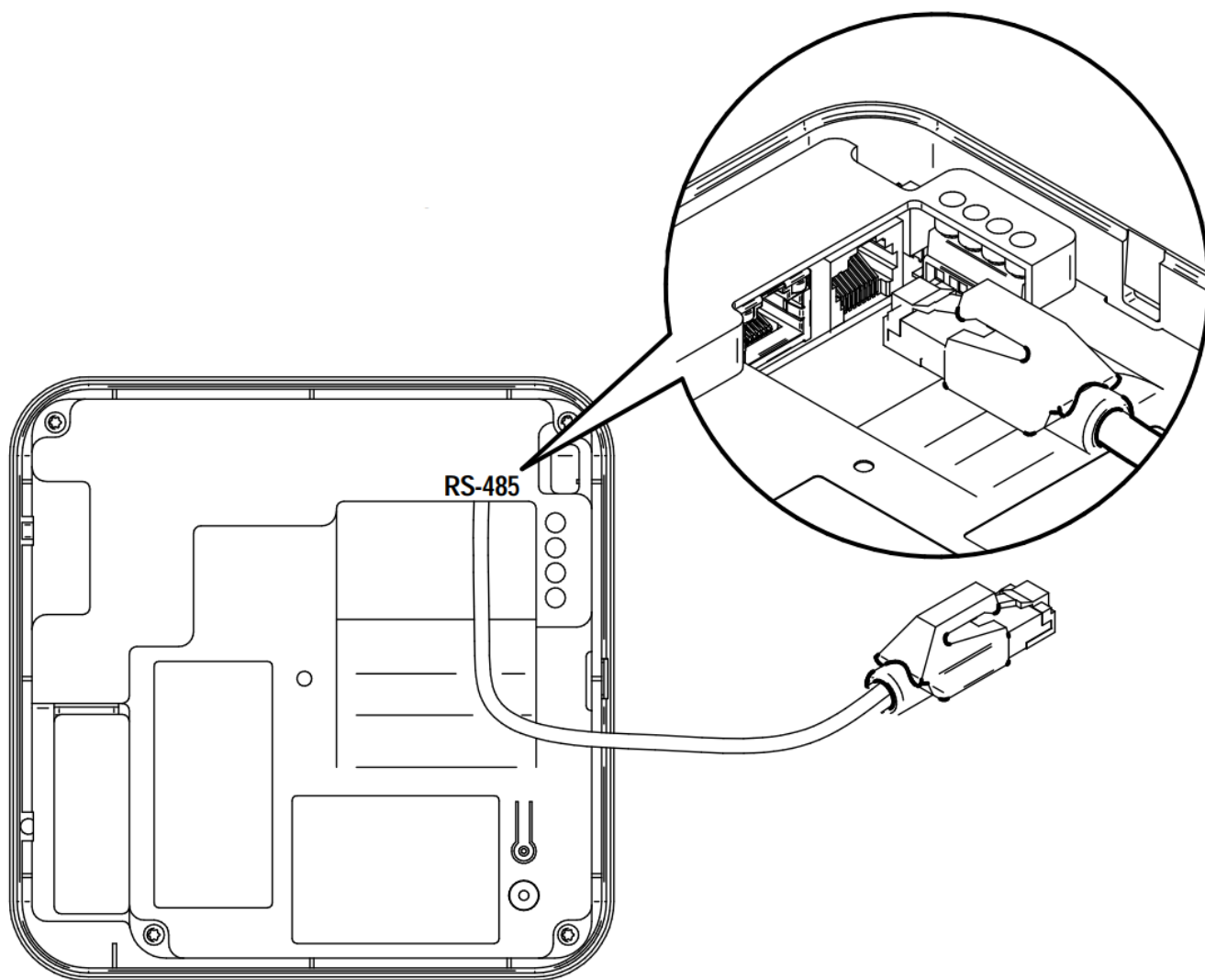
RS-485

Only with SP226159
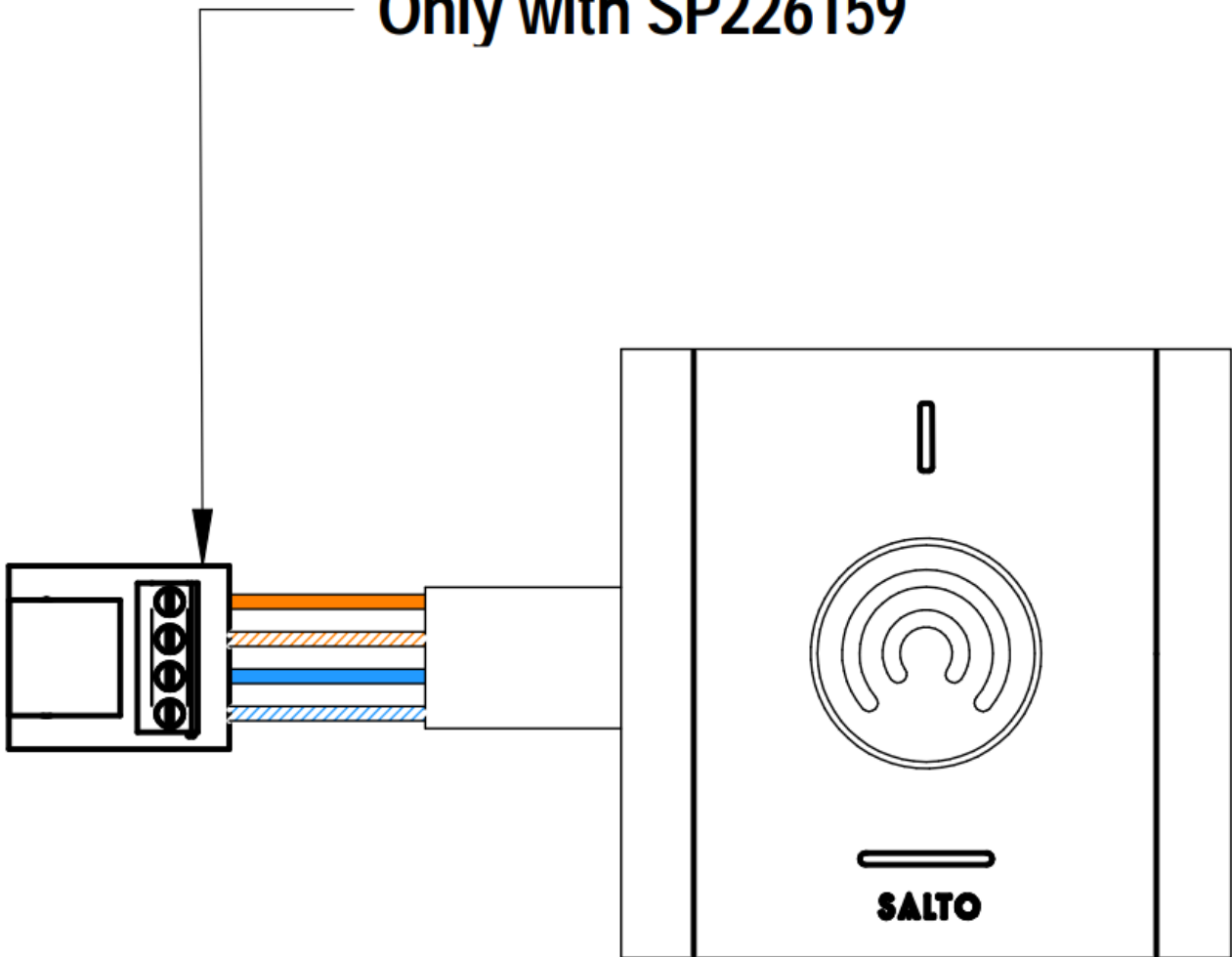
Product Overview

1. Power (except PoE).
2. Ethernet.
3. RS485 (Jack cable).
4. RS485.
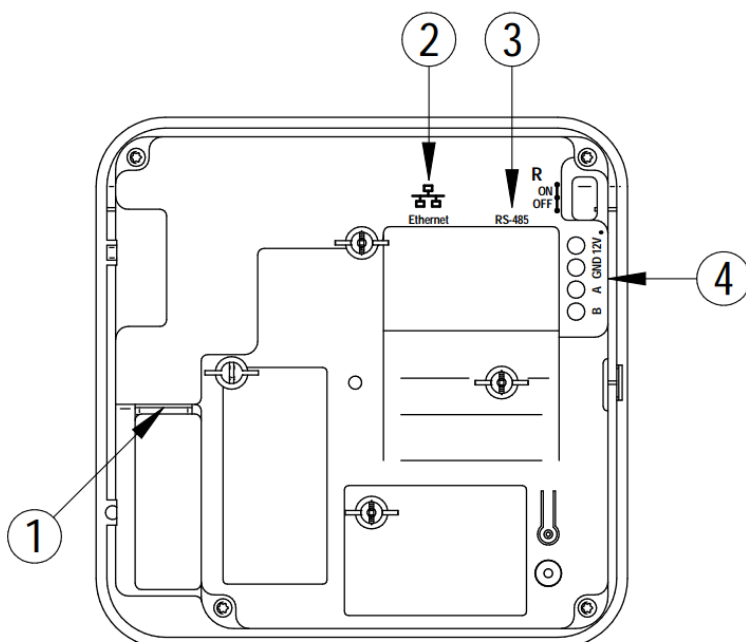
Electrical Features

EXTERNAL POWER SUPPLY CHARACTERISTICS			
	Min	**Max**	**Typ**
Input Voltage	12-5%V	12+5%V	12V
Max Input Power	15w		
Current Consumption*		200mA	60mA

* Excluding RS485 Nodes.
Power supply must be calculated taking into account SALTO Nodes current consumption.

PoE
PoE Norms: IEEE 802.3af / IEEE 802.3at
PoE Class0

OPERATING CONDITIONS		
	Min	**Max**
Temperature	0ºC	60ºC
Humidity	0	95% (Non condensing)

WIFI CHARACTERISTICS	
Frequency Range	2400 MHz to 2483.5 MHz
Standard	IEEE 802.11b/g/n compliant
TX power	16dBm
Range	25-30m *

- Depending upon installed environment. To ensure correct operation, do not install the device near a metallic surface.

SALTO Bulent CHARACTERISTICS	
Frequency Range: 2400 MHz to 2483.5 MHz	
Standard	Bluetooth 5.2 Compliant
TX power	8dBm
Indoor Range	5-10m *

- Depending upon installed environment. To ensure correct operation, do not install the device near a metallic surface.

MAX. NUMBER OF DEVICES TO BE CONNECTED
SALTO Nodes: 6
Access points: 112

Configuration

1. The device is configured using the Nebula App.
2. Ethernet test: without any type of set up, the IQ3 is a DHCP ready device. If your network supports it, it is possible to check the Ethernet connectivity by pinging the address SALTO-IQ3-XXXXXX(XXXXXX corresponds to the final 6 digits of MAC).

Installation example

Maximum number of SALTO Nodes: 6
Maximum number of access points: 112

SALTO´s Software

UTP CAT5e
1cable Ethernet PoE

SALTO IQ3

UTP CAT5e
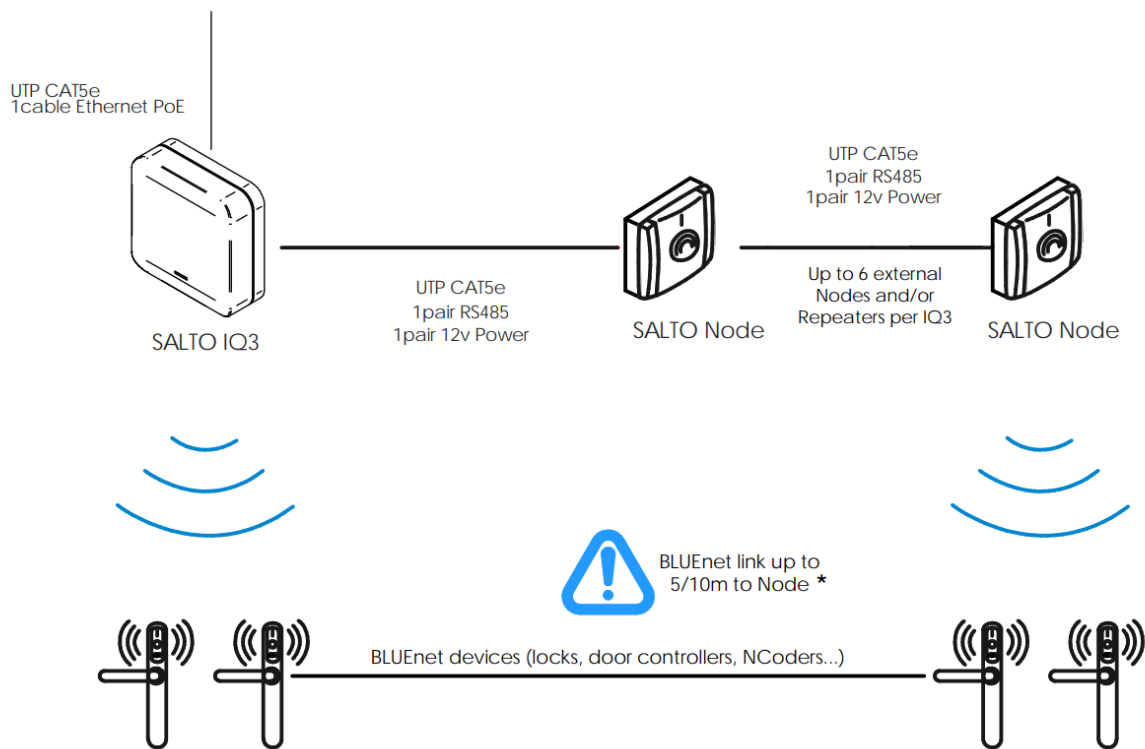1pair RS485
1pair 12v Power

SALTO Node

UTP CAT5e
1pair RS485
1pair 12v Power

Up to 6 external
Nodes and/or
Repeaters per IQ3

SALTO Node

BLUEnet link up to
5/10m to Node *

BLUEnet devices (locks, door controllers, NCoders...)

(*) Depending upon installed environment.

Signals

| LED MODE	LED COLOUR	STATUS INDICATION
Blink long RED		**Device ex works. It will be doing advertising.**
Blink short RED (3 seconds)		**Identification signal when selected from a mobile phone. The signal lasts 3 second.**
Blink long BLUE		**Device initialized with communication to the server.**
Blink short YELLOW		**Device not communicating with the server.**
Blink long GREEN		**Connection established to a mobile phone.**
Blink short GREEN		**Initialized and in programing mode. It is doing advertising while waiting for a mobile connection.**

Operational test

1. Check that the red light turns on.
2. If you have connected to Ethernet, check that the lights on the RJ45 turn on.

Documents / Resources
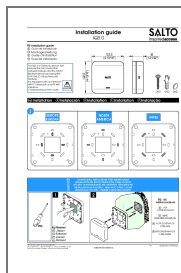
	SALTO IQ3.0 Gateway Device System [pdf] Installation Guide IQ3.0 Gateway Device System, IQ3.0, Gateway Device System, Device System, System

References

- **User Manual**