

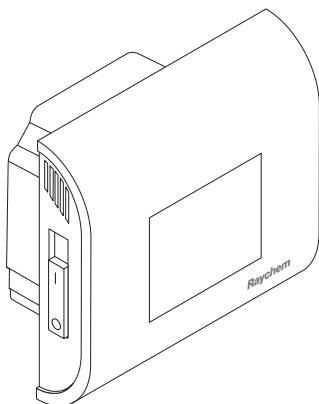


RAYCHEM

SENZ & SENZ WIFI

Programmable Thermostat
Software Version 1

Quick Start Guide

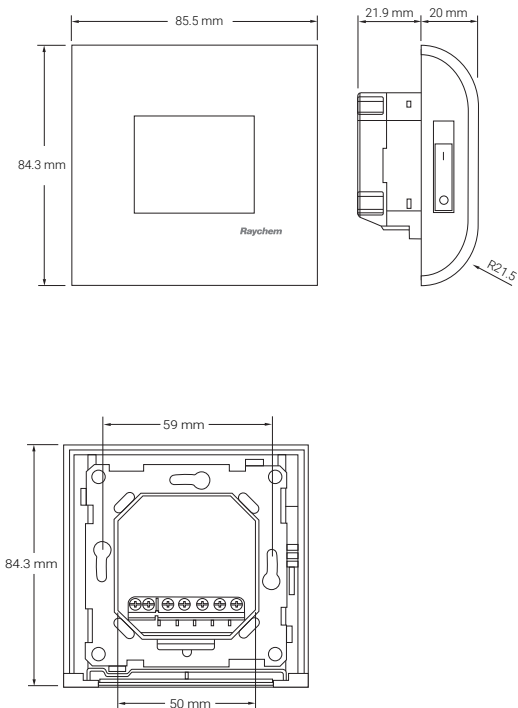


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Dimensions

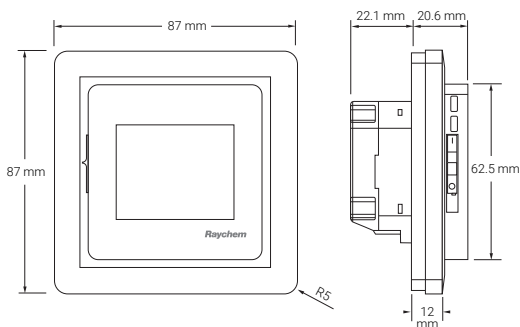
nVent RAYCHEM SENZ / SENZ WIFI



Dimensions

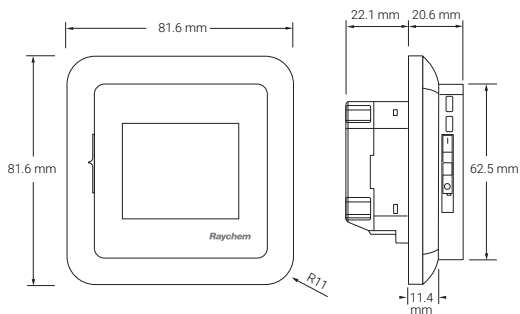
SENZ / SENZ WIFI

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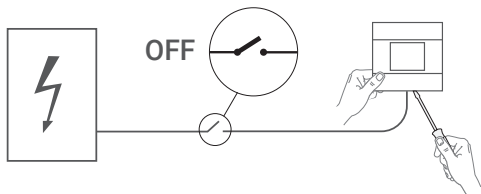


SENZ / SENZ WIFI

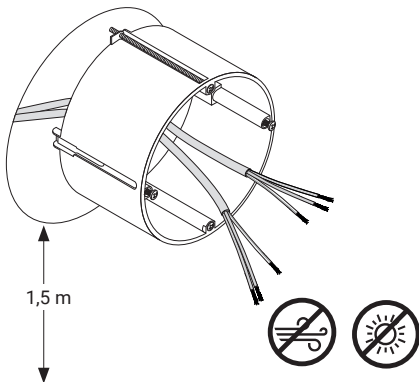
Round frame



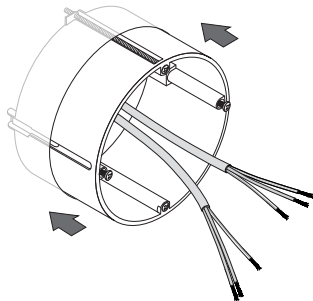
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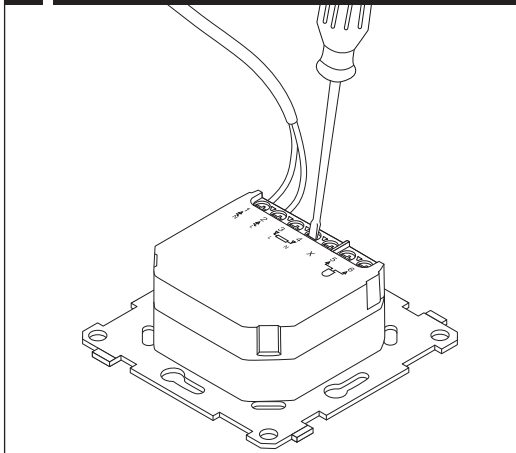


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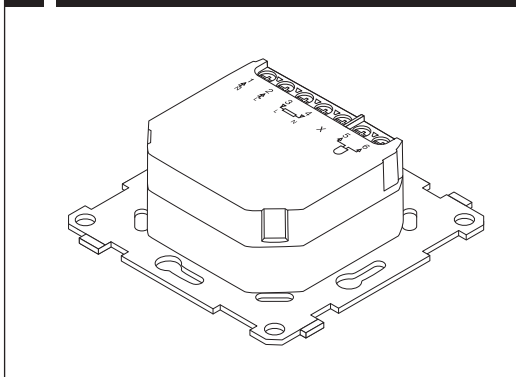
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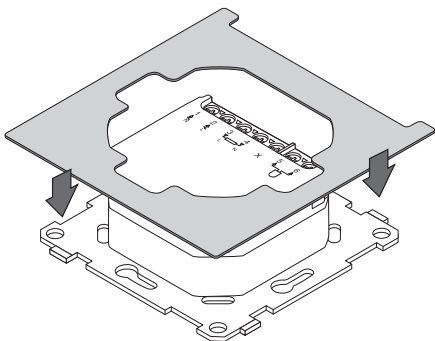
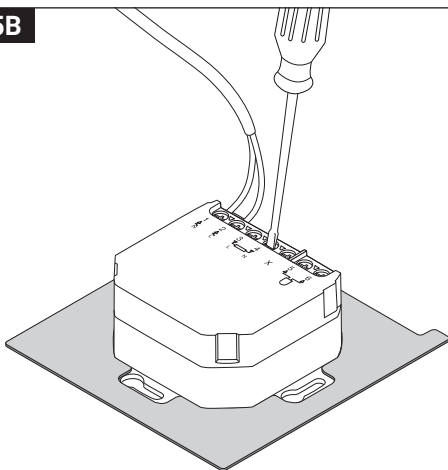
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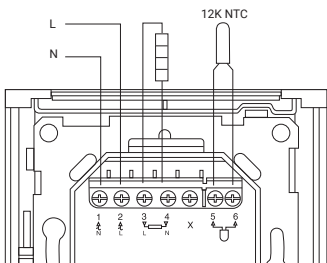
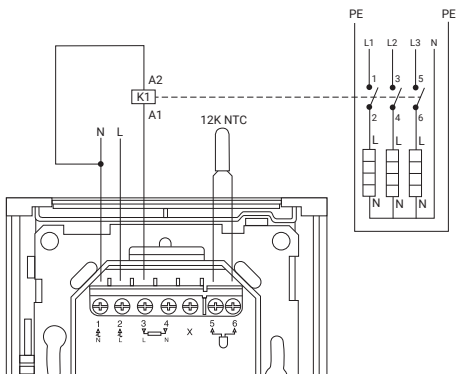


IP21 → 6 A

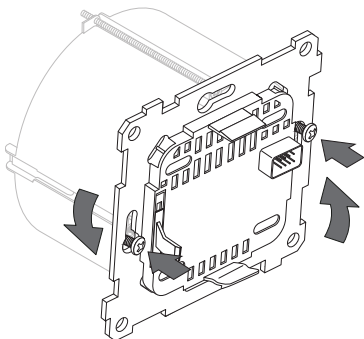
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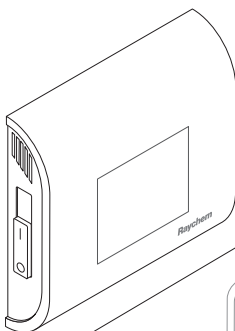
5A**5B**

6A**1 x  = MAX 13A / MAX 100m T2RED****6B****>1 x **

7

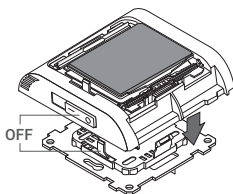


8 RAYCHEM frame → 9

**A**
RAYCHEM frame**B**
Other frame

Other frame → 11

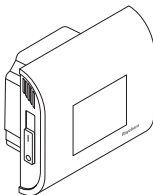
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A
RAYCHEM frame

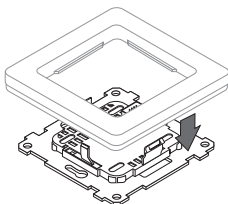
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RAYCHEM frame → 19

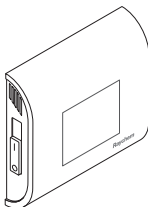


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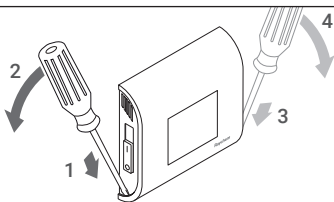
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Other frame



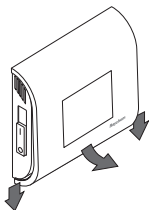
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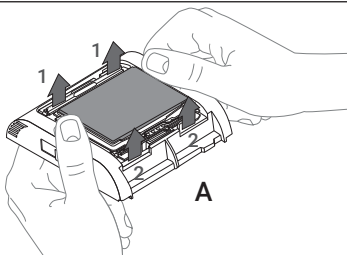
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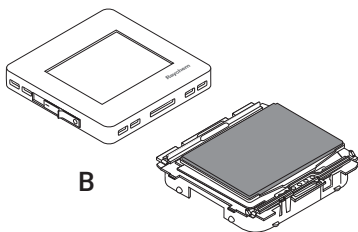
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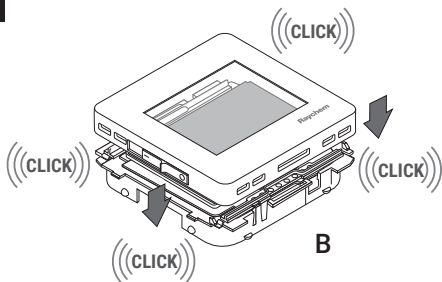
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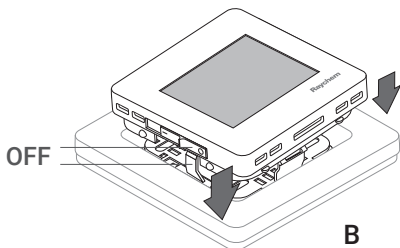
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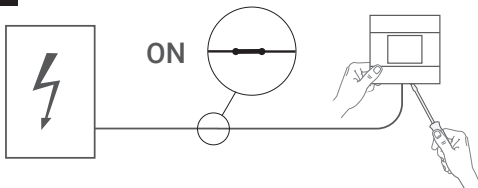
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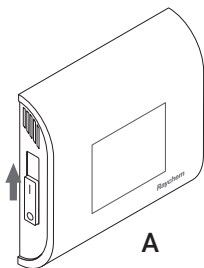
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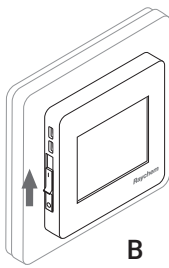
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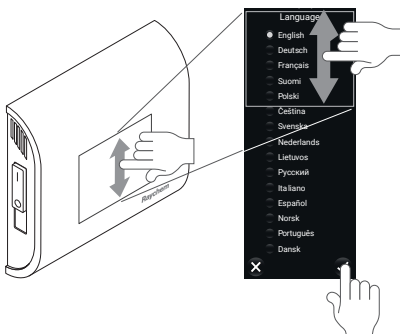


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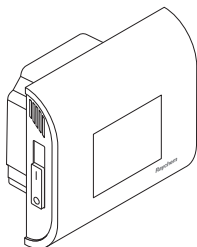
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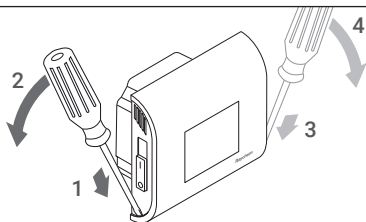


Disassembly of the thermostat

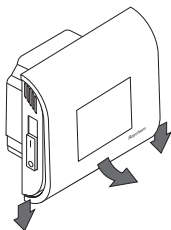
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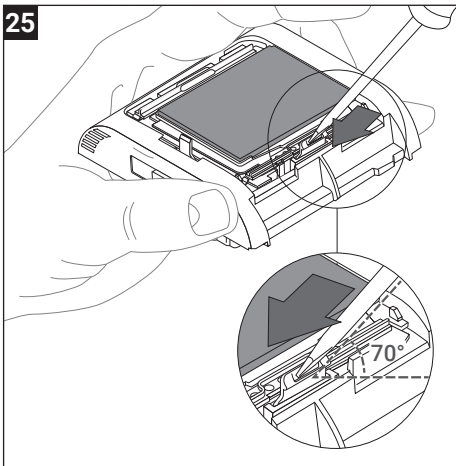
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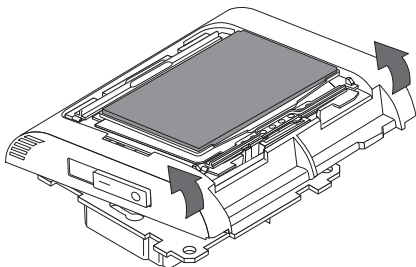
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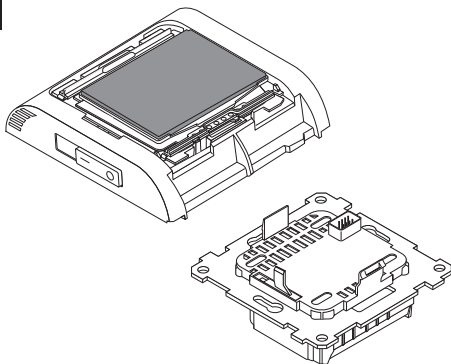
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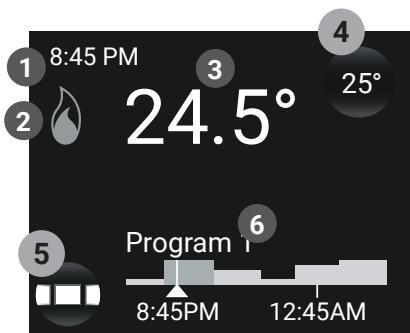


ENGLISH

1. DESCRIPTION

The nVent RAYCHEM SENZ is a programmable touchscreen thermostat for electric floor heating.

The nVent RAYCHEM SENZ WIFI is enabled with a WIFI chip and can be controlled with the SENZ app on a smartphone or a tablet pc (iOS or Android).

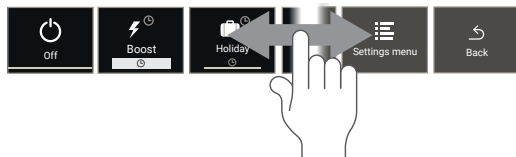


- 1 Time
- 2 Heating symbol: thermostat is heating
- 3 Actual temperature
- 4 **Set temperature button**
- 5 **Menu button**
- 6 Visualization of the schedule and working mode

2. USING THE THERMOSTAT

Touch **Set temperature button 4** to temporarily override the current programme.

Touch the **Menu button 5** to enter the Main menu.



In the Main menu choose one of the working modes or enter the Settings Menu

Working modes

Symbol	Working mode	Description
	Off	Turn off the thermostat
	Boost	Adaptable temporary override of the desired temperature
	Holiday	Schedule for a holiday
	Program 1 to 3	Pre-programmed and adaptable economic schedules
	Constant	1 constant temperature

For more information on the use of the thermostat see nVent.com

3. TECHNICAL SPECIFICATION

Purpose of control:	Electronic thermostat for electric floor heating
Method of mounting:	Flush mounting
Supply voltage:	230VAC +/- 10%, 50Hz
Main power switch:	2-pole
Relay output:	230V, max. 13A
Protection class:	IP21 (IP44 with accessory 1244-017779)
Terminals:	2,5 mm ² screw cage clamp
Terminal wire size:	2,5 mm ²
Floor sensor with 3m cable:	12k @ 25°C +/- 0,75°C (no:38165)
Maximum length of floor sensor cable:	100m, 2 x 1,5mm ² (230VAC cable)
Control modes:	Floor sensor (active when floor sensor installed)
	Room sensor with floor limiter (active when floor sensor installed)
	Room sensor (active when no floor sensor installed)
	No sensor % regulator with cycles of 20 minutes (active when no floor sensor installed)
Temperature regulation method:	PWM (pulse width modulation) with PI control loop
Type of action:	Type 1.B.
Control pollution degree:	2
Software class:	A
Overvoltage category:	III
Rated impulse voltage:	4kV
Ball pressure temperature:	125°C
SELV limits realized:	24V

“The protection against electric shock must be guaranteed by appropriate mounting. The requirements of Class II are fulfilled after appropriate mounting.”

Approvals



ATTENTION:

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

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