

Connected thermostat Smarter with Netatmo

XW8002 - XM8002 - XG8002
SXW8002 - SXM8002 - SXG8002
XW8002W - SXW8002W
0 490 38 - 0 490 39 - 0 490 40

Description

The Smarter with Netatmo connected thermostat, together with the Home + Control App, is a device which allows you to adjust and monitor the temperature in the rooms precisely and accurately; all the programming and most of the functions are performed simply and intuitively using the APP.

Thanks to its Wi-Fi connection, Smarter with Netatmo can be programmed and controlled remotely; it can also display the temperature and humidity measured in the room. The temperature level can be set locally for manual operation and the Boost mode can be activated. The Boost forces the switching on of the system for a limited time (30, 60 or 90 minutes) independent of the measured and programmed temperature.

For maximum comfort, it is also possible to set a different temperature in each room, thanks to the compatibility with the Netatmo smart thermostatic valves.

Smarter with Netatmo can be controlled with the Google, Amazon Alexa and Apple HomeKit voice assistants.

Smarter with Netatmo flush mounted version XW8002/XM8002/XG8002/SXW8002/SXM8002/SXG8002/0 490 38/0 490 39.

It can be installed both in 503E flush-mounted boxes and in round flush-mounted boxes:

- type 500;
- type 502PB;
- type 0 800 21 and 0 800 41.

Smarter with Netatmo wall mounted version XW8002W/SXW8002W/0 490 40.

It can be installed on the wall, using screws and dowels suitable for the installation surface.

You can have up to 10 thermostats in your system.

It is possible to associate up to 20 Netatmo smart thermostatic valves to each thermostat, to be installed in up to a maximum of 10 different rooms.

Related items

NA-NAV-PRO Netatmo smart thermostatic valves

Technical data

Power supply:	110 – 240 Vac, 50/60Hz
Absorption:	2 W max
Maximum cable section:	1 x 1.5mm ²
Contact output:	5(2) A
Operating temperature:	5 – 40 °C
Setpoint for heating:	5 – 30 °C
Setpoint for cooling:	5 – 40 °C
Type of activation:	1BU
Pollution level:	2
Rated pulse voltage:	4 kV

Wireless device in compliance with 802.11b/g/n standard, frequency 2.4 – 2.4835 GHz, transmission power < 20 dBm.

WEP/WPA/WPA2 safety protocol. Protocol IPv4.

Ports used from Smarter with Netatmo and Home + Control App:

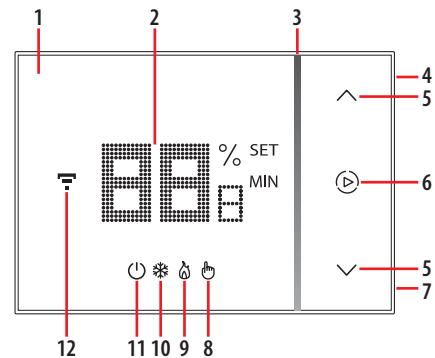
- 25050 TCP - for web traffic and user authentication.
- 80 / 443 - HTTP / HTTPS

Radio link: short range communication, frequency 868MHz/915MHz, transmission power < 25mW e.r.p.

Smarter 2 with Netatmo (item XW8002, XM8002, XG8002, XW8002W, SXW8002, SXM8002, SXG8002, SXW8002W, 0 490 38, 0 490 39, 0 490 40) may be set for class IV operation in accordance with Communication 2014/C 207/02 of the Commission and:

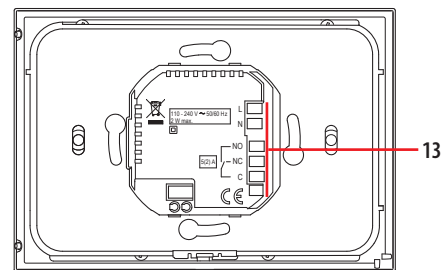
- allows the remote switching on and off of the system, and its weekly programming;
- shows, through the "Home + Control" smartphone App, the energy consumption levels through the time of operation of the system and allowing to display a chart of the data log;
- shows the current operating conditions and the system adjustment temperature.

Front view

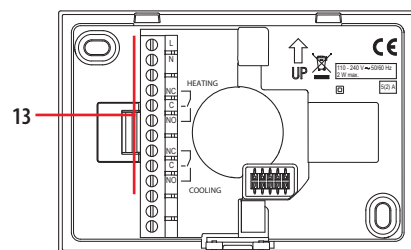


Rear view

Flush mounted version



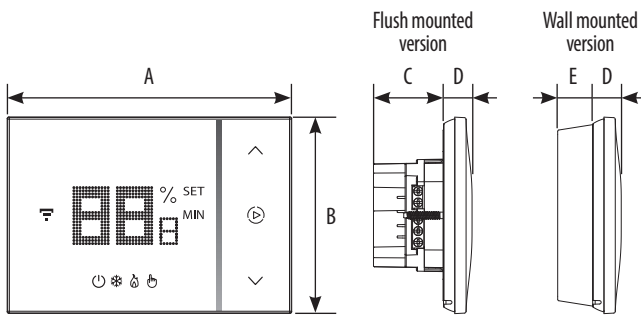
Wall mounted version



Legend

1. Touch screen display
2. Temperature/humidity display
3. "Boost" mode indicator
4. Wi-Fi connection key
5. Keys for temperature setting
6. Boost mode activation
7. Reset key (keep pressed for 10"; it restores the factory settings)
8. Manual mode indicator
9. ON heating indicator
10. ON cooling indicator
11. "OFF thermostat" indicator; temperature (frost guard) in heating function; OFF in cooling function.
12. Wi-Fi connection indicator
13. Connection clamps (see diagrams)

Dimensional data



A	B	C	D	E
126 mm	87 mm	31 mm	12.5 mm	15.5 mm

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Configuration

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www.homesystems-legrandgroup.com

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App Home + Control



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Apple WAC POSIX Server

Package: WACServer

Version: WAC_POSIX_Server_1.22

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Apple mDNSResponder

Version 765.20.4

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LwIP

Version 1.3.2, 1.4.1

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This file is part of the lwIP TCP/IP stack.

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STM32 Standard Peripheral Library

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LwBT

Version 0.1

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This file is part of the LwBT Bluetooth stack.

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OpenSSL

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Libsodium

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Hmacsha512

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Character types

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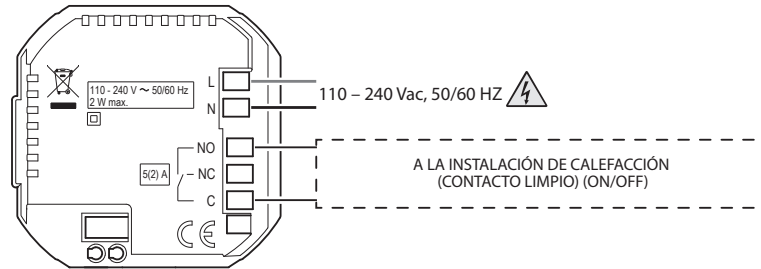
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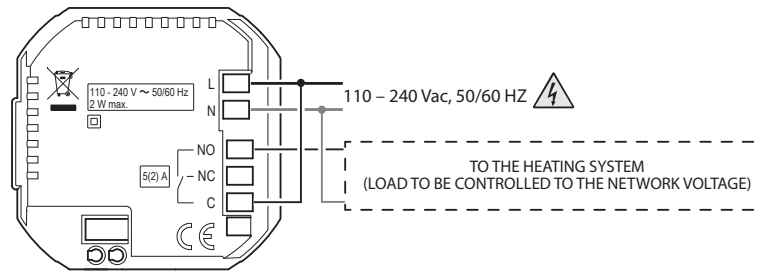
Wiring diagrams

Flush mounted version

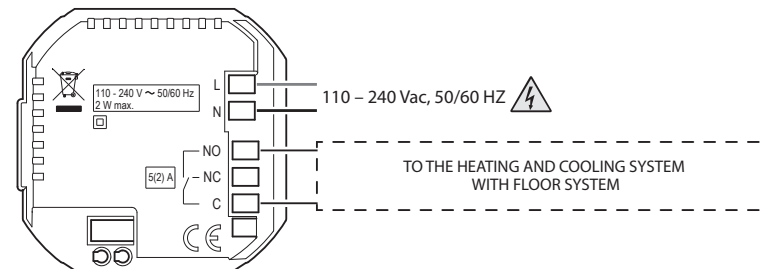
System only for heating with clean contact (e.g. boiler agreement)



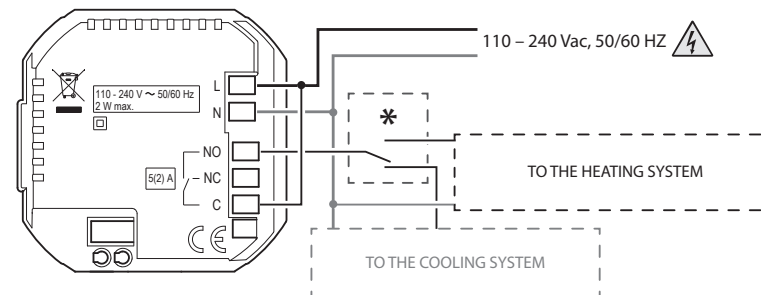
System only for heating with load to be controlled to the network voltage (e.g. 230Vac solenoid valve)



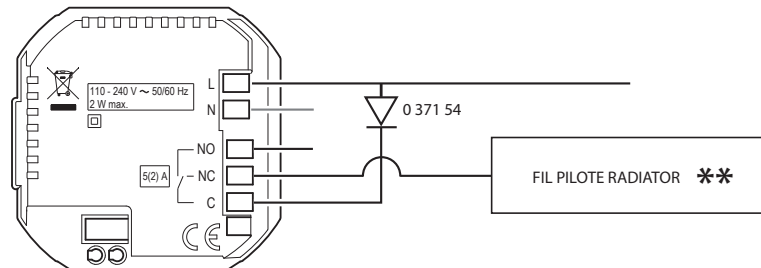
Heating and cooling with floor system



Heating and cooling with different systems



Heating system with Fil Pilote radiators

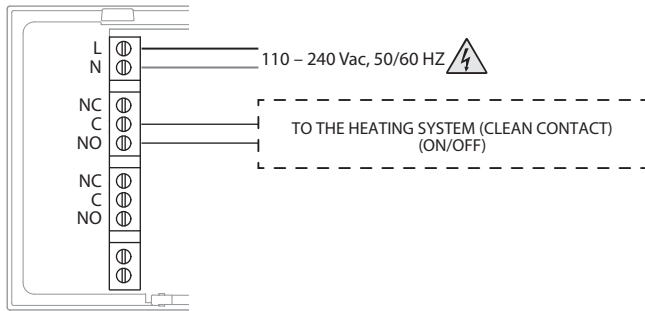


* External changeover switch must be properly switched when system function is changed from heating to cooling and vice versa.

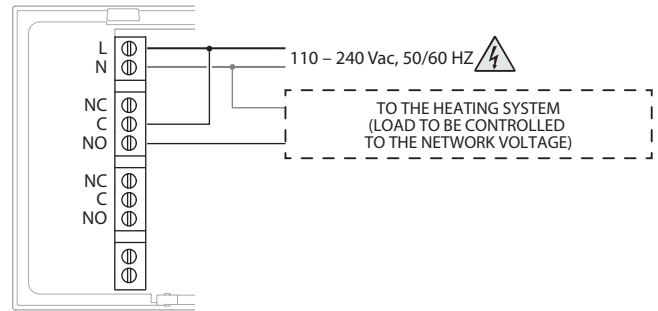
**For the correct operation of Smarter during use with Fil Pilote radiators, the highest COMFORT temperature possible must be set on the radiator. It is however not possible to reach a higher temperature than the COMFORT temperature set on the radiator, irrespective of the Smarter setpoint.

Wall mounted version

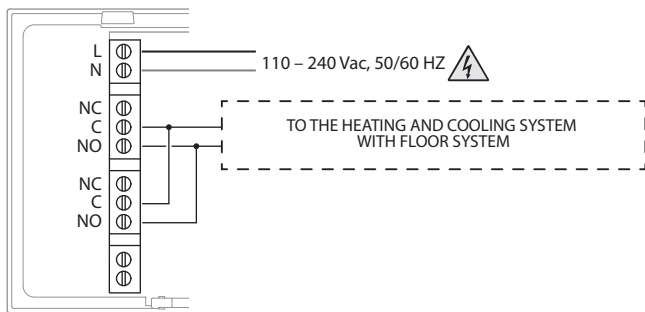
System only for heating with clean contact (e.g. boiler agreement)



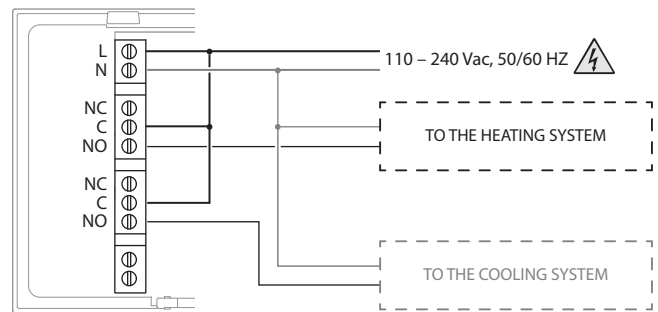
System only for heating with load to be controlled to the network voltage (e.g. 230Vac solenoid valve)



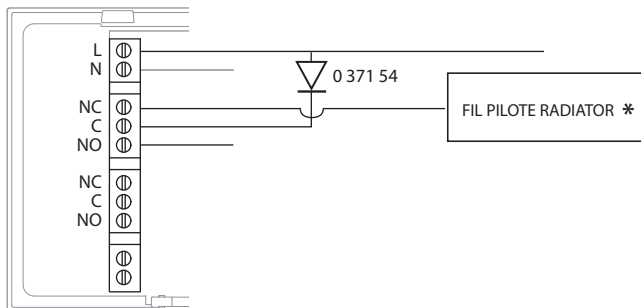
Heating and cooling with floor system



Heating and cooling with different systems



Heating system with Fil Pilote radiators



* For the correct operation of Smarter during use with Fil Pilote radiators, the highest COMFORT temperature possible must be set on the radiator. It is however not possible to reach a higher temperature than the COMFORT temperature set on the radiator, irrespective of the Smarter setpoint.

Functions

Available features:

- Management with Home + Control App
- Display and change the temperature
- Boost
- Room humidity display
- Compatible with Netatmo Additional Smart Radiator Valve
- Compatible with Google Assistant
- Compatible with Alexa
- Compatible with HomeKitt