# CH119NFC
## PROGRAMMABLE THERMOSTAT WITH NFC CONNECTION

- Weekly program

- To control the heating or cooling systems

- Remote control through APP Intelliclima+ for NFC smartphone

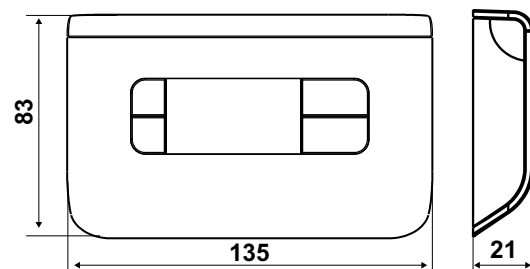| | |
|---|---|
| Temperature regulation range | 2 ÷ 40 °C, increment 0.1°C |
| Power supply | 2 batteries 1,5V AA |
| Contacts rating | 5(3)A 250 Vac |
| Adjustable differential | 0.3 ÷ 5 K |
| Thermal gradient | 4 K/h |

## INSTALLATION

- CH119NFC has to be installed on the wall or in a 3 modules or round flush mounting box, at about 1.5 meters above the floor.

## HOMOLOGATION AND STANDARD

- Complies with EN 60730-1 standards;
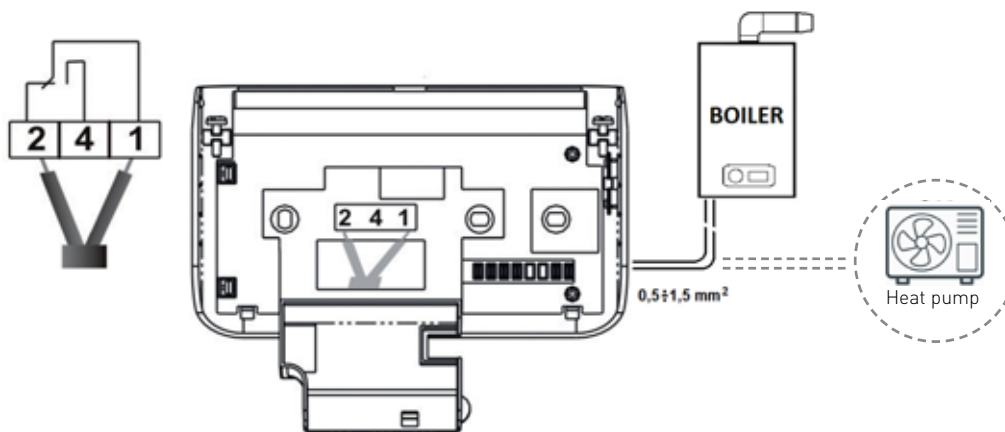- Class IV; 2% (Reg. EU 811/2013 - 813/2013);

## DIMENSIONS mm

83

135

21

## ELECTRIC FEATURES

| | |
|---|---|
| Power supply | 2 batteries 1,5V AA |
| Contacts rating | 5(3)A 250 Vac |
| Type of action | 1 B.U. (connection micro-switch) |
| Output type | ■ 1 relay for heating and cooling systems (3 screw clamps (closed + open) |
| Software | Class A |
| Electric insulation | Double insulation |
| Pulse voltage | 4000V |

■ ELECTRICAL CONNECTION



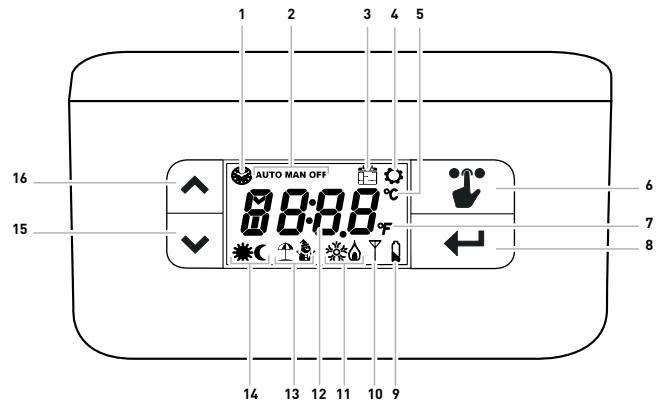## GENERAL FEATURES

| | |
|---|---|
| Temperature regulation scale | 2 ÷ 40 °C, increment 0.1°C |
| Measurement scale/room T display | - 50 ÷ + 50 °C |
| Differential | 0.3 ÷ 5 K |
| Thermal gradient | 4 K/h |
| Maximum room temperature | 45°C |
| Managements | ■ Heating and cooling<br>■ Summer time / Standard time<br>■ Remote change over (only with APP)<br>■ Summer / Winter<br>■ Limits: Max / Min temperature in Winter / Summer<br>■ Temperature offset |
| Storage temperature | -10°C ÷ +60°C |
| Protection degree | IP20 |
| Pollution degree | 2 |
| Screen lock | With password |

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## OPERATION

- CH119NFC is a weekly programmable thermostat with possibility to remote configuration from smartphone with APP "Intelliclima+".

- Equipped with a temperature sensor with two output relays on board, it simultaneously manages heating and cooling systems.

- CH119NFC is provided with 4 keys and their functions change according to the displayed description

- CH119NFC programmable thermostat allows different modes of use, called programs:

  - MAN Manual program
  - AUTO Weekly program
  - OFF Switched off system or antifreeze program



| 1 | Date and time setting |
|---|---|
| 2 | Operating mode: AUTO - MAN - OFF |
| 3 | Time programming setting (profile) |
| 4 | Configurations |
| 5 | Ambient temperature Celsius |

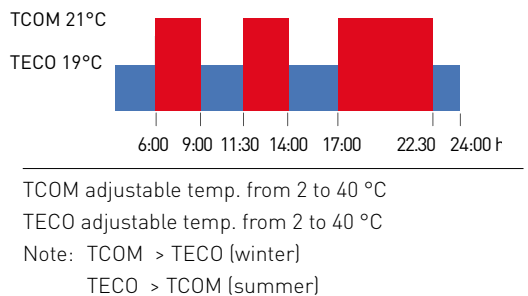| 6 | Menu selection key / Long press: ESC |
|---|---|
| 7 | Room temperature Fahrenheit |
| 8 | Switch on / off - Confirm |
| 9 | Low battery |
| 10 | NFC phone connection |
| 11 | Activation status: cooling or heating |
| 12 | Temperature read |
| 13 | Activation status: summer or winter |
| 14 | Activation status: economy or comfort |
| 15 | DOWN arrow - Decrements |
| 16 | UP arrow - Increment |

### [ MAN ]

- MANUAL PROGRAM

The programmable thermostat adjust the room temperature using the temperature set in 24 hours.



TMAN 21°C

24:00 h

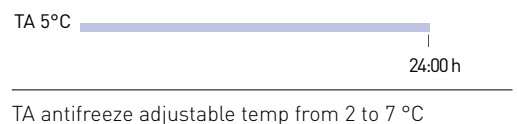TMAN adjustable temperature from 2°C to 40°

### [AUTO]

- AUTO - WEEKLY PROGRAM

CH119NFC programmable thermostat manages the set temperatures according to the time programs on the weekly profile. It is provided with preset winter programs and preset summer programs.

In the AUTO mode it is possible to set 2 temperature levels TCOM e TECO (comfort temperature and economy temperature).



TCOM 21°C
TECO 19°C

6:00  9:00  11:30  14:00  17:00  22.30  24:00 h

TCOM adjustable temp. from 2 to 40 °C
TECO adjustable temp. from 2 to 40 °C
Note: TCOM > TECO (winter)
      TECO > TCOM (summer)

### [OFF]

- OFF - SWITCHED OFF SYSTEM OR ANTIFREEZE PROGRAM

The selected system is switched off. During WINTER mode keeps the temperature antifreeze.



TA 5°C

24:00 h

TA antifreeze adjustable temp from 2 to 7 °C

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# REMOTE PROGRAMMING THROUGH APP

With the Intelliclima+ APP, from a NFC smartphone, is possible to:

■ Create the weekly or daily program or choose from the preset ones;

■ Optimise comfort and save energy;

■ Change the set temperature

■ EXAMPLE OF INFORMATIONS
  FOR HEATING SYSTEM

The Intelliclima+ APP is available
for free on:

■ DATA TRANSFER MODE

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