

SMART TC°

CONNECTED ROOM THERMOSTAT WITH SMART TC°



SMART TC°

• connected room thermostat

for remote control of heating and domestic hot water production via an app available for free download

OPERATING CONDITIONS

The SMART TC° app is free to download from Play Store and Apple Store, and is compatible with any smartphone and tablet with an Android or IOS (Apple) operating system (not compatible with Windows 10).

The SMART TC° can be connected as a room sensor to the OpenTherm input on our appliances (see compatibility table below) or to any of our appliances as an ON/OFF thermostat.

SMART TC°: FOR PERFECT CONTROL OF YOUR INSTALLATION

The De DIETRICH SMART TC° connected room thermostat and its free application enable communication with a central heating system via the OpenTherm common language system (interface supplied as standard - see compatibility table below and page 8).

When connected to the internet, it is possible to control the heating and domestic hot water production from a smartphone or tablet, at any time and from anywhere.

The SMART TC° can be connected to several smartphones, allowing any member of the family to control the heating.

A smartphone can control several SMART TC°s: the main and secondary residences.

BOILER COMPATIBILITY TABLE (SEE ALSO PAGE 8)

Connection in OpenTherm mode:

NANEO
VIVADENS
MPX
TWINEO

NeOvo CONDENS
NeOvo ECONOX,
ALEZIO O Hybrid

Connection in ON/OFF mode:

ALEZIO Evolution IV 200I, ALEZIO G Hybrid
ZENA

INCREASING THE ENERGY PERFORMANCE (1)

+ 3% Class V with room sensor
+ 4%, Class VI with room sensor and outside sensor

+ 2% Class IV with room sensor
+ 3.5% Class VII with room sensor and outside sensor

(1) Our heating control concepts increase heating performance in a system by between 1 and 5%, depending on the configuration and, in particular, the outside or room sensors installed. Furthermore, since February 2017, a boiler must be equipped with a class IV, V, VI, VII or VIII controller, as defined in (EU) regulation no. 8013/2013 of the Eco Design directive, to ensure its eligibility with the French Energy Saving Certificate

OVERVIEW OF SMART TC°

THERMOSTAT

The SMART TC° connected room thermostat works like a classic room sensor, and is easy and intuitive to set up and use: only two buttons activated by a brief or long press, and a knob for scrolling through the menus, selecting and accessing options and confirming modifications. The entire heating and domestic hot water production system can be controlled very precisely in manual or programmed mode: temperature settings, 3 weekly programs with quick programming guide, holiday mode configuration, consumption monitoring, secure installer access to advanced parameters and the log, etc.

SELECTION:

Room temperature measured

or

Room temperature set point

Main menu:

- Selection: brief press
- Configuration: long press

Back: brief press

Home: long press



Operating mode display:

- Automatic
- Manual
- Frost protection
- Holiday
- DHW override

Rotary button:

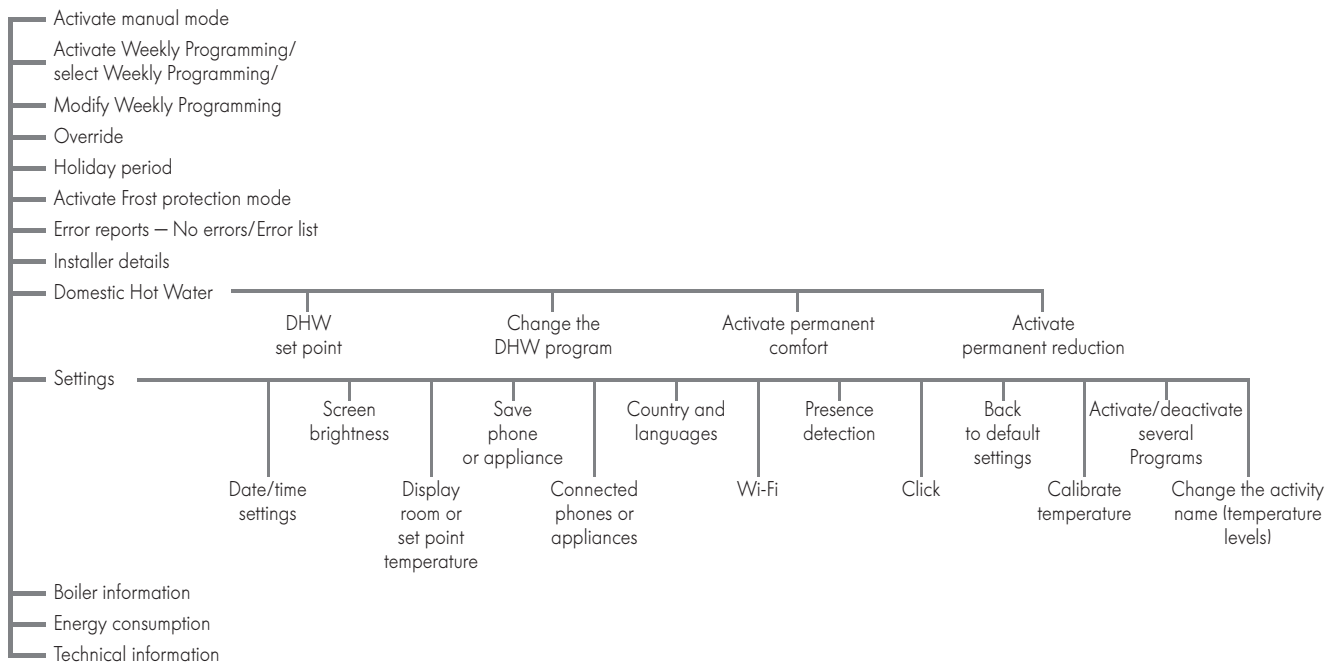
- Select the display
- Adjust temperature set point
- Navigating within the menu

OVERVIEW OF THE MAIN MENU AND ITS SETTINGS

Home – (zone, current temperature, status)



MAIN MENU



EXAMPLES

TEMPERATURE ADJUSTMENT SCREEN



WEEKLY PROGRAMMING SCREEN



CONSUMPTION DISPLAY SCREEN



"HOLIDAY" MODE PROGRAMMING SCREEN



The SMART TC° has a Wi-Fi connection enabling it to connect to the internet and be controlled via an app on a smartphone or tablet.

OVERVIEW OF SMART TC°

APPLICATION



If you prefer to control your system remotely via a smartphone or tablet, you will need to download the "SMART TC" app. The app's home screen has a user wizard.

HOME SCREEN



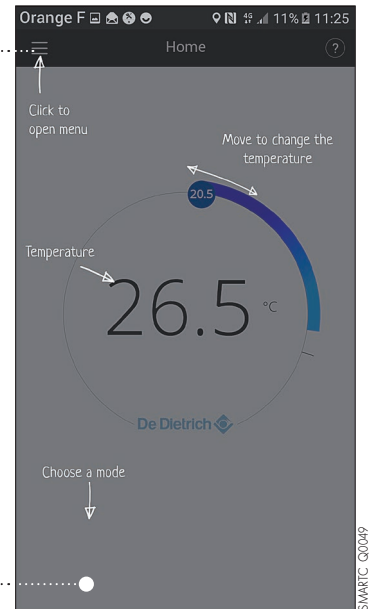
User wizard

SMARTC_Q0050

USER WIZARD SCREEN

- Main menu:
- Home
 - Programs (with quick programming guide)
 - Energy consumption
 - Installer contact
 - Installer
 - Parameters (Settings)
 - Information

- Operating mode:
- Manual
 - Frost protection
 - Program 1
 - Program 2
 - Program 3

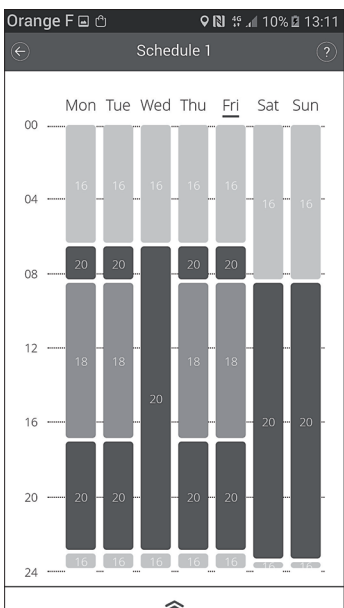


SMARTC_Q0049

BASIC USER FUNCTIONS

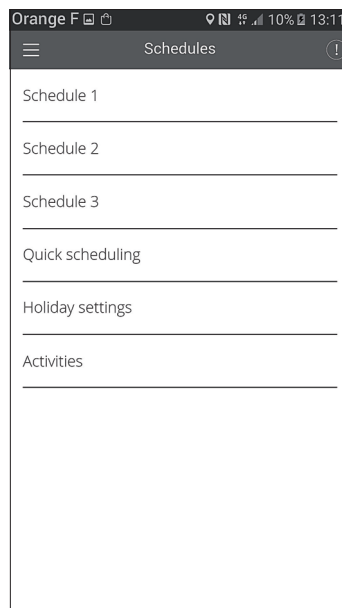
- Complete overview of weekly programming
- 3 programs to be defined with temperature time range selection (Caution: programming must be activated in the "Settings" menu of the SMART TC° thermostat):
 - a quick programming guide,
 - holiday mode configuration,
 - monitoring of the consumption expressed in € or kWh for heating and DHW production

SCREEN SHOWING WEEKLY PROGRAMMING



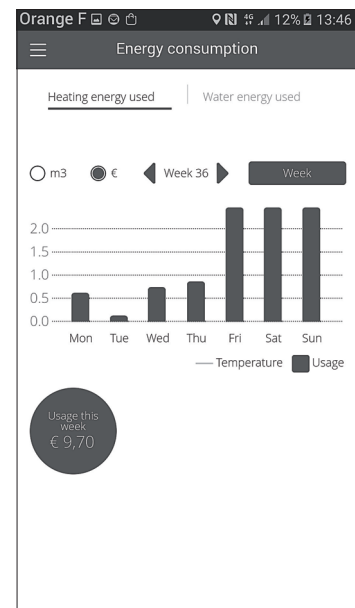
SMARTC_Q0047

SCREEN WITH PROPOSED PROGRAMS



SMARTC_Q0048

"ENERGY CONSUMPTION" SCREEN



SMARTC_Q0046

IMPORTANT: Quick programming, accessible in the main menu under "Programs", guides you by asking questions and configures the programming based on your responses.

OVERVIEW OF SMART TC°

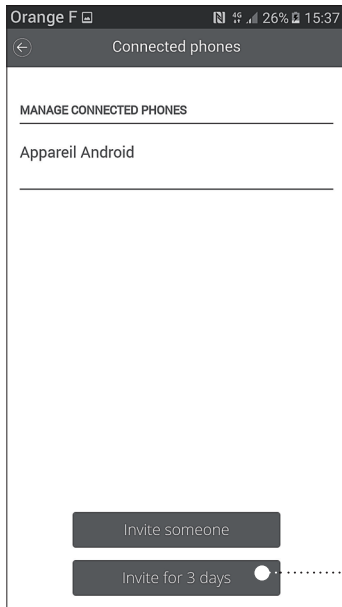
APPLICATION

ADVANCED FUNCTIONS, INSTALLER ACCESS

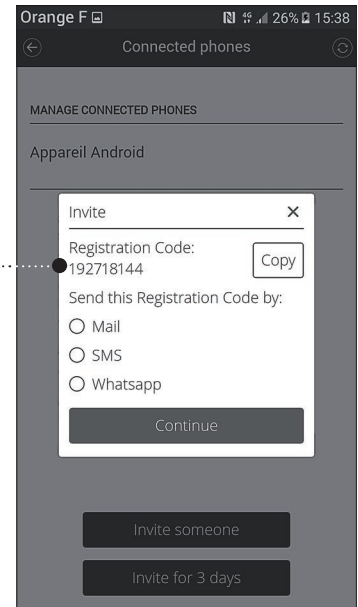
The SMART TC° can be connected to several smartphones or tablets: each member of the family can access the system and control it remotely. It is also possible to grant secure access to your installer to perform initial diagnostics or access advanced functions sending him/her a temporary login code by invitation. The installer is responsible for downloading the app to his/her smartphone or tablet, creating an account and confirming in his/her inbox.

IN THE "PARAMETERS" MENU

"CONNECTED APPLIANCES" SCREEN



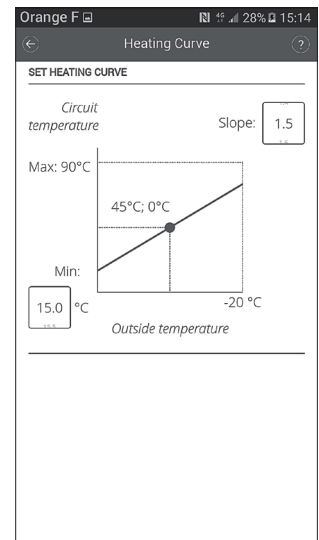
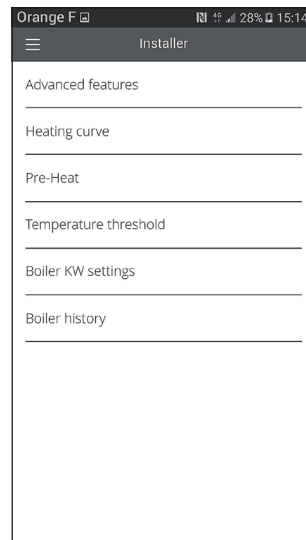
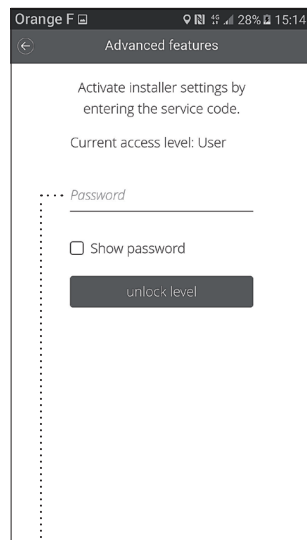
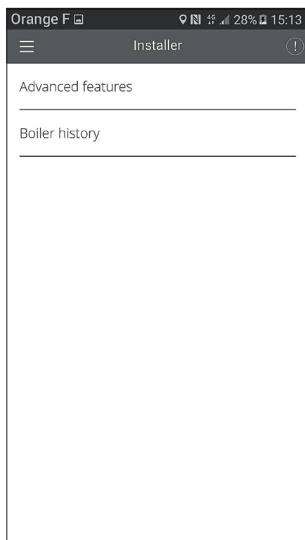
CONNECTION CODE



Connection code

Temporarily invite an appliance: friends, installer

The installer will therefore have access to the system parameters in his/her menu: e.g. heating curve.



PROcode: 0012

COMMISSIONING THE SMART TC°

DELIVERY

The SMART TC° (package AD311) is supplied as standard with an interface that enables it to communicate with the heating system.

MAIN DIMENSIONS

SMART TC°

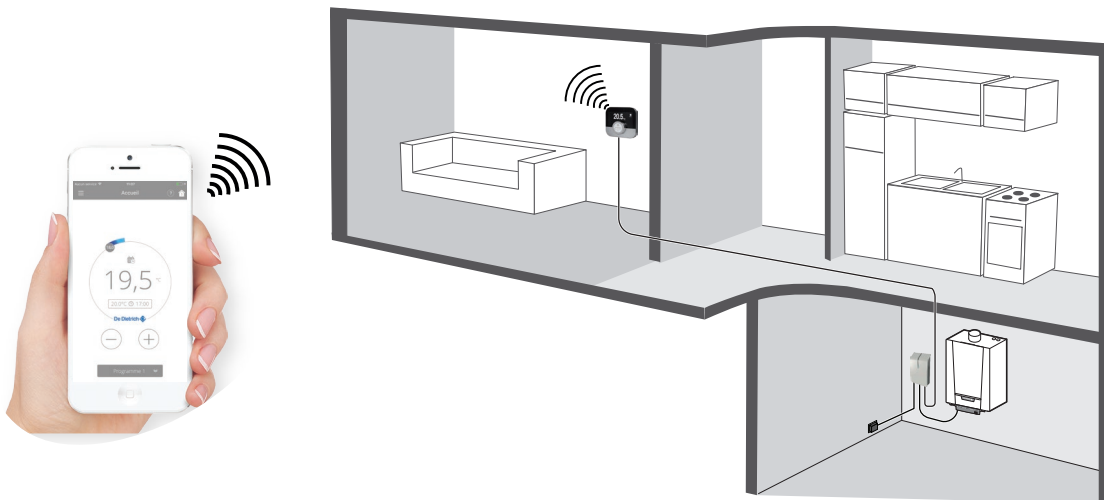


INTERFACE

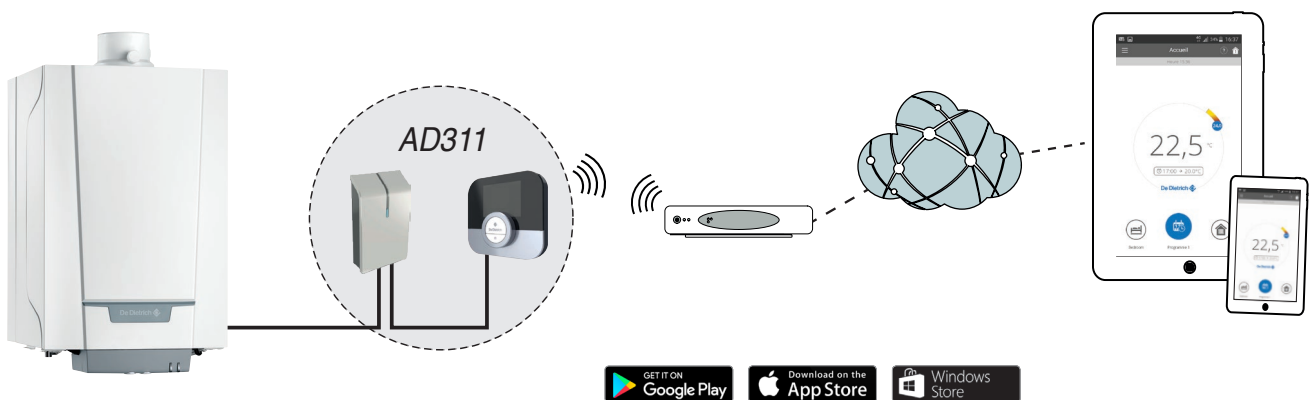


LOCATION

The SMART TC° **wired** thermostat is installed on the wall in a reference location. One SMART TC° can be installed per heating circuit.



INSTALLATION PRINCIPLE

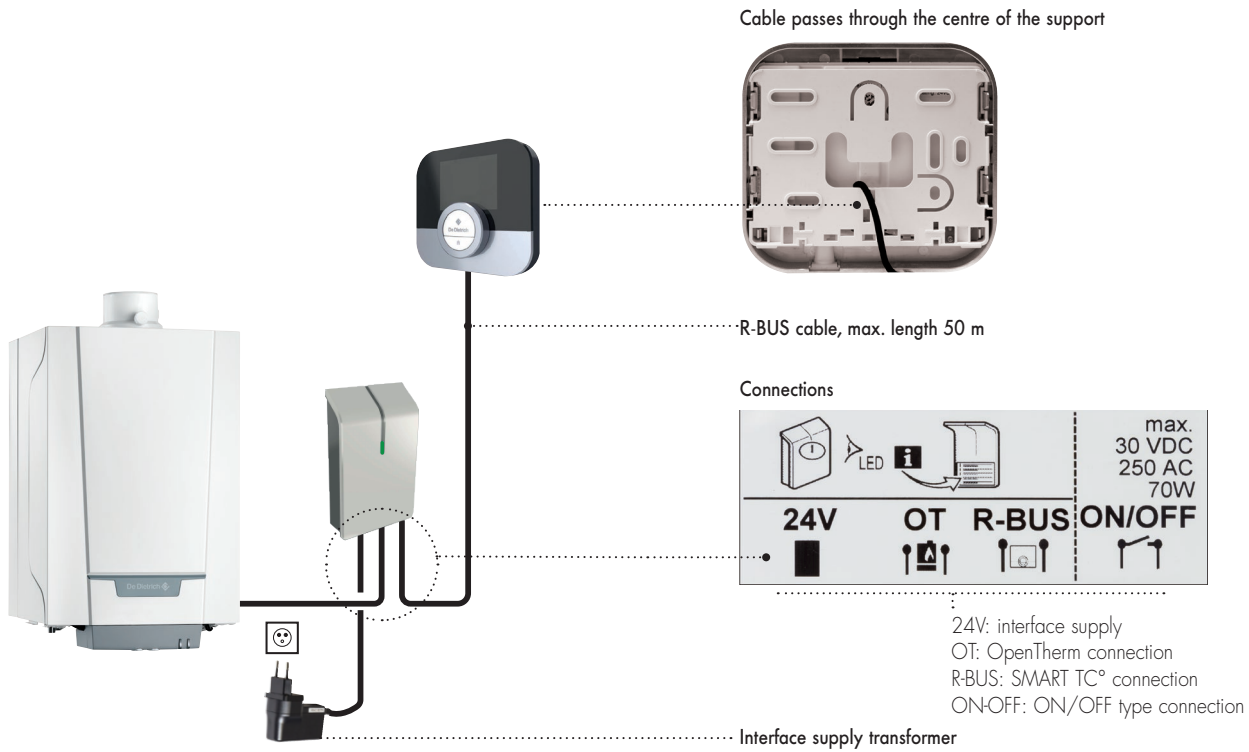


COMMISSIONING THE SMART TC°

ELECTRICAL CONNECTION

The SMART TC° is connected by wire to the boiler via the interface provided.

INTERFACE SUPPLY TRANSFORMER

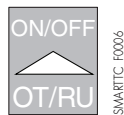


SMARTTC_00021

SMARTTC_00020

SMARTTC_00004

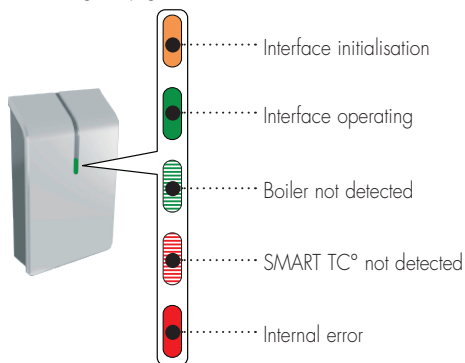
CAUTION: to connect the interface to the boiler, use the connection terminals for the room sensors. See compatibility table on page 1 or 8



MONITORING

The interface is equipped with an LED that allows the connection status to be quickly analysed.

The LED lights up green. → The thermostat is activated.



SMARTTC_00015



SMARTTC_00025

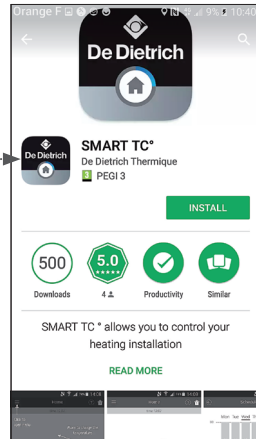
REMARKS

- When the SMART TC° is connected, it can receive available updates,
- The SMART TC° can operate without being connected to the Wi-Fi. In this case it operates like a conventional room sensor.

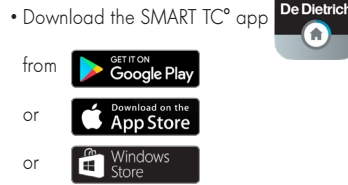
COMMISSIONING SMART TC°

CONNECTING THE SMART TC° TO A SMARTPHONE OR TABLET

Connection is a 4-step process:



- Connect the SMART TC° to the home Wi-Fi: in Parameters, "Settings menu", go to the Wi-Fi line and enter a password

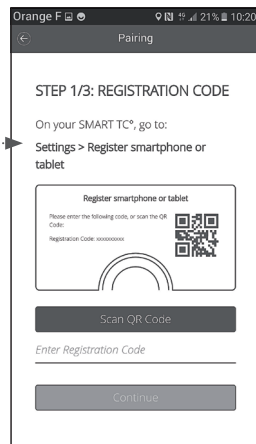


- Download the SMART TC° app

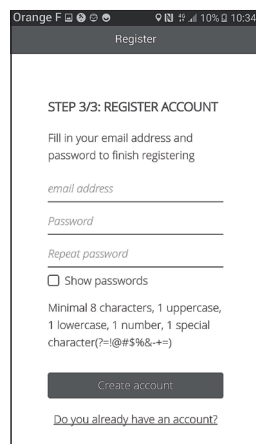


- Launch the app and wait for it to request a pairing code from the SMART TC°

- In Parameters, SMART TC° "Settings menu", select "Save phone or appliance"



- A code (or QR code) is generated. Enter it in the phone



- Complete the saving process:
 - create an account on the smartphone (or tablet) by entering an email address.
 - confirm the account in your inbox.

The SMART TC° is connected, and the user can control the heating and DHW production.

SUMMARY OF FUNCTIONS

ACCESSIBLE FOR COMPATIBLE BOILERS ON THE SMART TC° OR ITS APP

SMART TC°	REGULATOR CLASS AND COM. MODE (1):		REMOTE CONTROL OF		DISPLAY ON THE HOME SCREEN			INSTALLER DETAILS		REMOVELY ADJUSTABLE HEATING CURVE	OUTDOOR TEMPERATURE DISPLAY	GENERATOR TEMPERATURE DISPLAY	SYSTEM WATER PRESSURE DISPLAY	CONNECTION STATUS DISPLAY
	ON/OFF	OPENTHERM	HEATING	DHW	SET POINT/AMBIENT T°	BOILER STATUS**	OUTDOOR T°**	TIME/DATE**	CONSUMPTION MONITORING*					
ALEZIO Evolution (2)	II		●											
ALEZIO Evolution V200 (2)	II		●											
ALEZIO G Hybrid (2)	II		●											
ALEZIO O Hybrid (2)		VII	●	●										
NANEO		V	●	●										
MPX		V	●	●										
VIVADENS		V	●	●										
TWINEO		V	●	●										
NEOVO Condens		VII	●	●										
NEOVO EcoNox		IV	●	●										

* On the SMART TC°: total consumption by the generator for heating and DHW in kW only
 On the APP: distinction between heating and DHW. Information available by day, week, month and year in kW and kWh
 ** To be activated in the "Settings" menu (select from two display types)
 (1) COM = Regulator class and communication mode (EU) no. 803/2013
 (2) No cooling management

