

Smart thermostats.

Stay tuned with the evolution of smart heating & cooling.

radiant heating
& cooling
components

OEM



Optimized for radiant heating and cooling systems



Self-learning feature with geolocation aimed at energy saving



Secure remote connection and automatic updates



Innovative regulation strategies for energy saving



Voice control through Amazon Alexa



Advanced management of air units



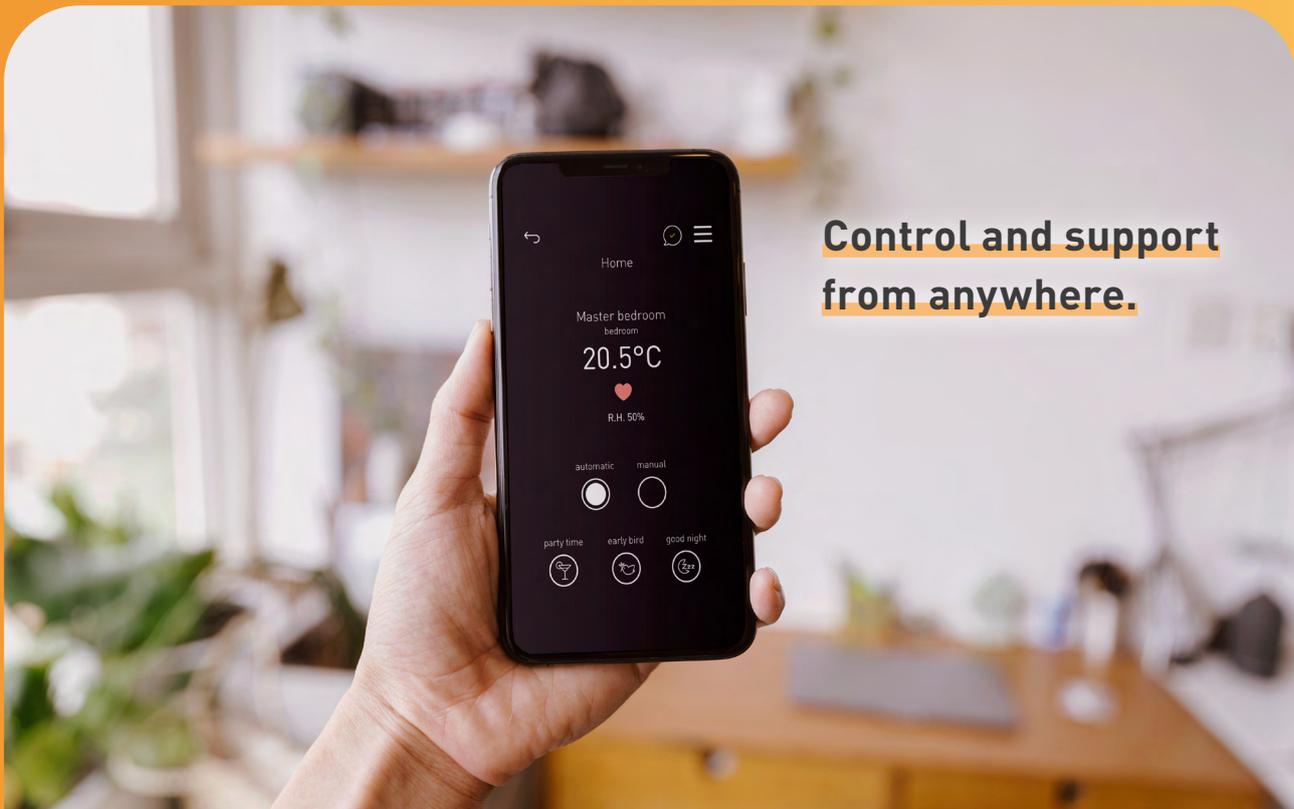
The system learns the amount of time required to warm up or cool down every room



Intuitive graphics, tutorials and online support



Remote control with Apps iOS and Android



**Control and support
from anywhere.**

Optimum start & stop

Common thermostats control room temperature by following the scheduling defined by the user. As they do not account for time needed to heat up or cool down, especially in case of radiant systems, they may lead to comfort problems and energy losses. Optimum Start & Stop takes care of this by adjusting the start and stop of each room in the system, based on real room behaviour, thus maximizing comfort and saving energy.



PID STRATEGY



MASTER ROOM DETECTION



SELF-ADJUSTING CLIMATIC CURVE



WEATHER FORECAST



AUTOMATIC REMOTE UPDATE

Energy saving and comfort living mode

The user can set the most suitable operating mode according to the type of environment, with an eye to consumption or push the system to maximum comfort.

energy saving  comfort living



WIFI AND BUS CONNECTION



INTEGRATION WITH HOME AUTOMATION
THROUGH STANDARD PROTOCOLS



ERROR-FREE ASSISTED INSTALLATION



NEW APP (iOS & ANDROID) AND CLOUD PLATFORM



ADVANCED AIR TREATMENT

Smart home integration: using Smart365 with Amazon Alexa & Google Home means you can now effortlessly control your comfort with your voice.



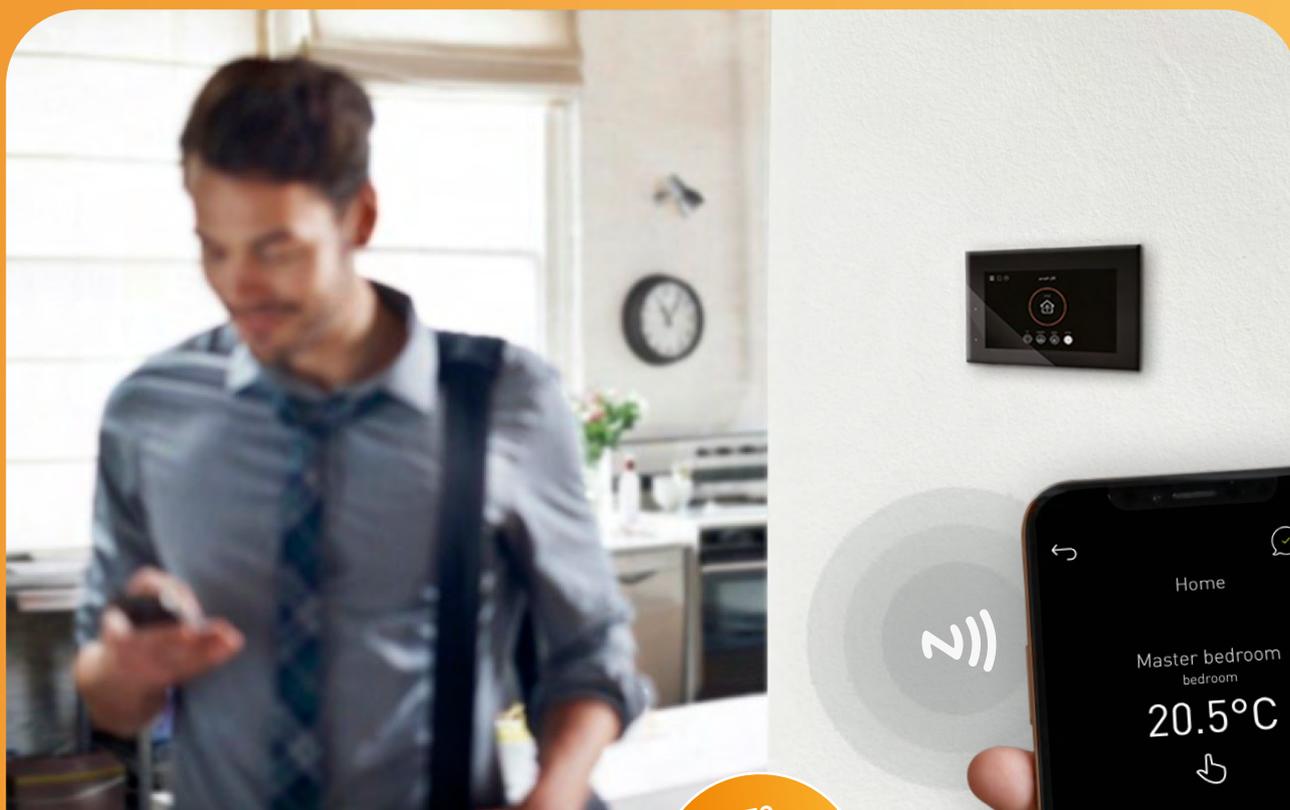
Web portal

The web portal allows the management of the user account, for the visualization of graphs and data, download of guides and manuals, assistance, after-market services, contacts and messaging. The web portal can also be used by specialized personnel (installer, service centre) with access to technical data and direct assistance.

New App (iOS + Android) and cloud platform

The user controls all homes from a single App, even remotely. All data are kept with the most modern procedures and technologies to guarantee the security and protection of the user's privacy. All settings will be synchronized with the system, even if temporarily there is no internet connectivity. The App allows the user to control all the functionalities of the system.





Make the invisible visible

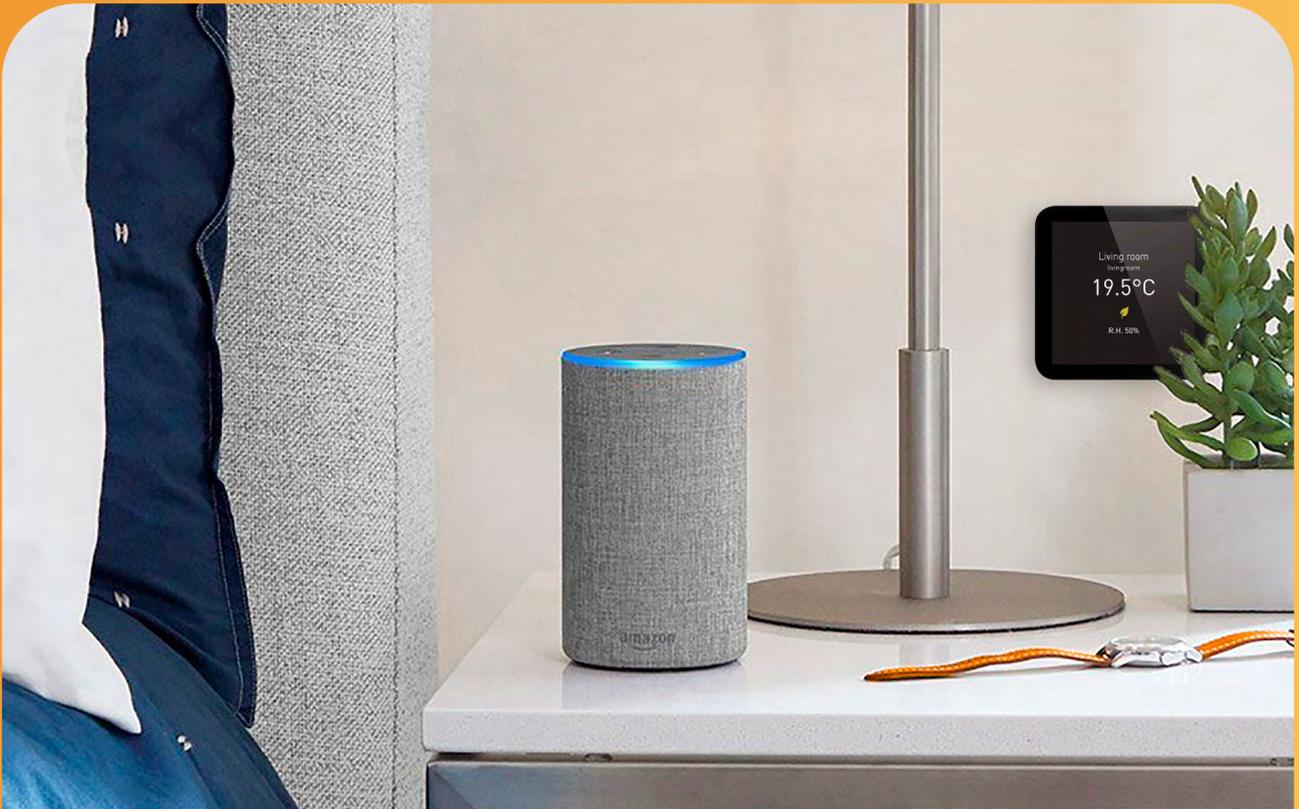
NFC technology: all SmartPoint sensors are equipped with an NFC Tag. With a simple click on your smartphone, you can see the temperature set in that room and change it.

NFC
FUNCTION
Temperature
+/- 3°C
Air control

Geofencing

Never heat up your empty home. Save energy when nobody is home and let pre-warm the house before you arrive home. If you activate Away manually or through geofencing, the system will set the eco mode to save energy.



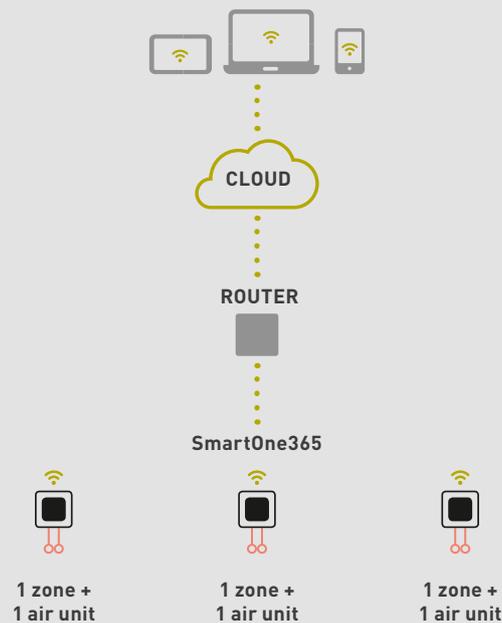


Smart heating & cooling

When SmartOne 365 is connected, each room is managed as a system "as a whole" to increase comfort and minimise energy needs.



4" FULL GLASS
MULTI-TOUCHSCREEN
84x84x14 mm





Interfaces

2 relays 230 V AC max. 5A (resistive load), 2 analogue inputs, 0-10 V output control, RS-485 bus, 230 V AC power supply, WiFi 802.11 b/g/n.

Display

4" full glass touchscreen, WiFi-enabled smart thermostat with air temperature, humidity and air quality sensor.

Mounting

Plastic support (back plate) for flush mounted round box.

Standard functionalities

7-day programming with 3 comfort levels, accurate heating/cooling temperature control, dehumidifier control.

App & cloud platform

Each SmartOne 365 thermostat can connect to Smart365 cloud platform and benefit from additional features and services.

Online services

Compatible with Smart365 cloud services and Apps. Cloud services enable remote monitoring and management of the building conditions, available through iOS/Android apps and web browser. Additionally, home owners, off-site support service, maintenance staff can access to a tailored and easy to use management dashboard. Conditions are defined by a specific OEM agreement.

Voice control

Each SmartOne 365 thermostat is enabled for voice control by Amazon Alexa & Google Home.

Advanced functionalities

Optimum Start&Stop, floor/ceiling temperature control (by external probe not included), dewpoint control, temperature set&hold, lock screen & screensavers, Home/Away/Off/Holiday, frost protection, input for H/C changeover, boiler control.

Algorithm

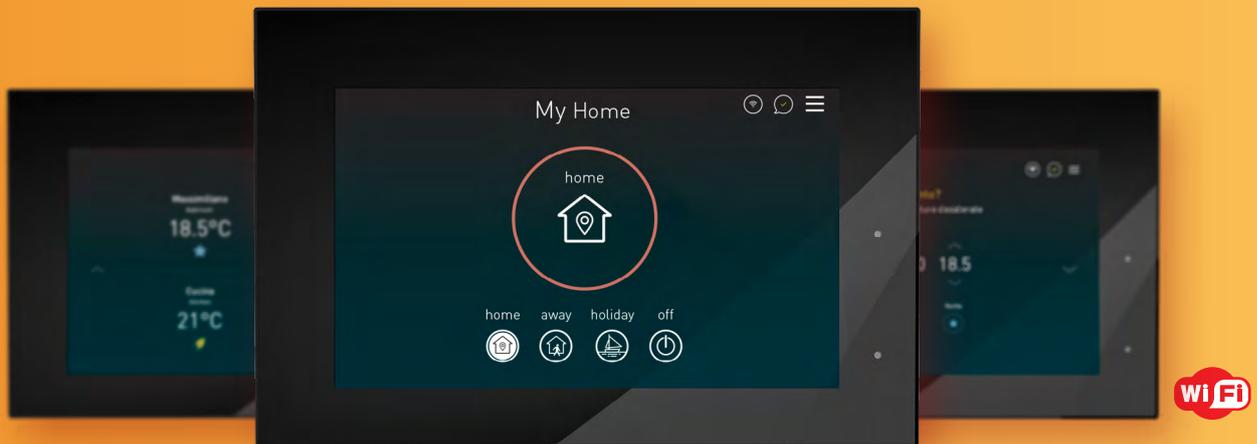
Multiuser geo-fencing algorithms automatically triggers Away mode when none of the family members is at home, thus increasing energy saving significantly.



↖ 5" FULL GLASS
MULTI-TOUCHSCREEN
145x96x14 mm

Take control of indoor comfort

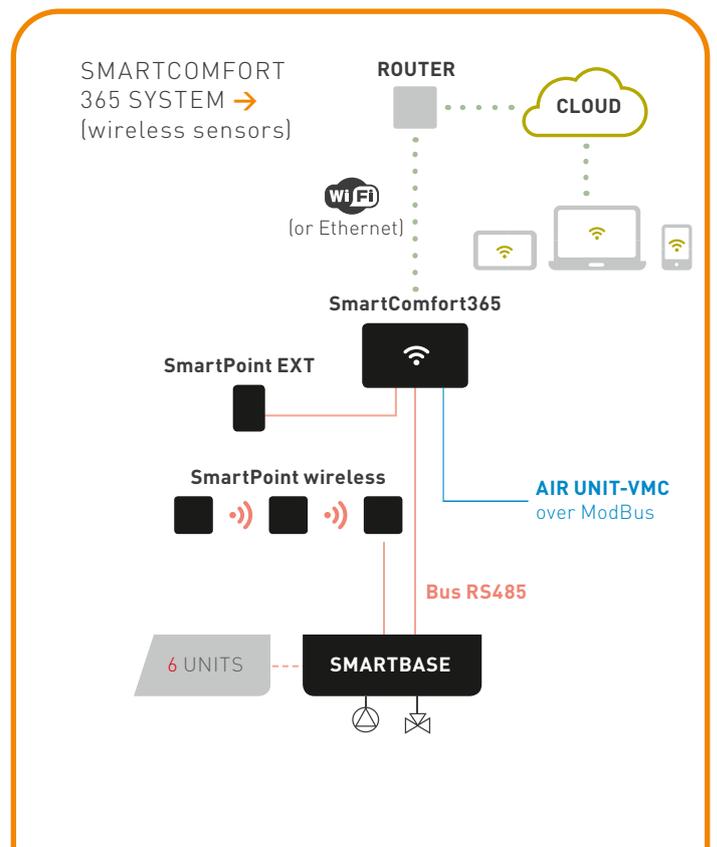
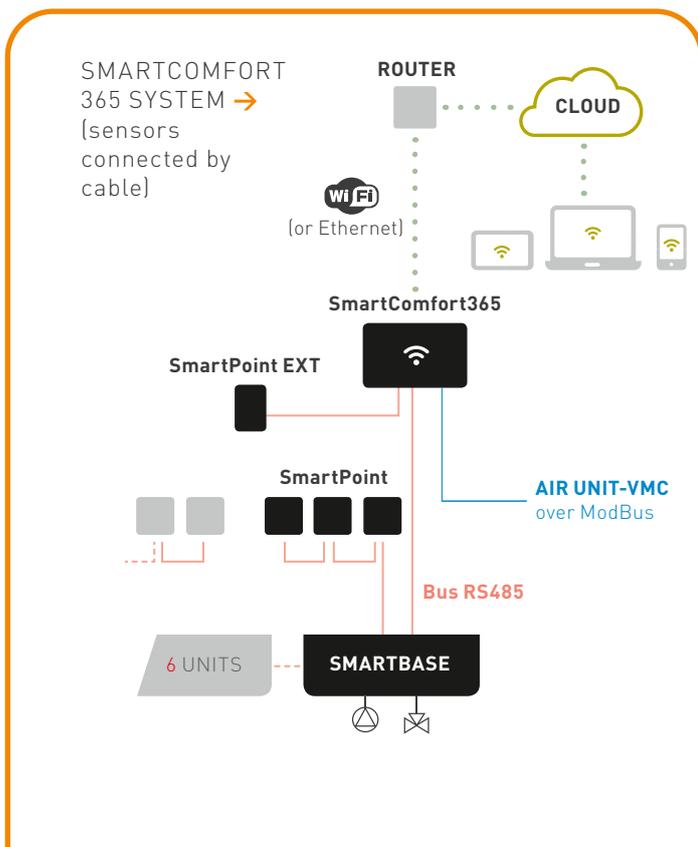
Comfort, in its various expressions, is a major theme of modern life. Feeling comfort-able indoors in every corner of the room, whatever the outdoor weather is, makes you feel at home. Radiant heating and cooling through floor, wall or ceiling systems offers numerous advantages, including silent and invisible well-being all year round. The core of each radiant system is the unit regulating its operation, which therefore makes the difference. It must be able to efficiently manage energy consumption while constantly guaranteeing the most appropriate comfort conditions for each season. SmartComfort365, an intelligent regulation system optimised for radiant systems, is designed to fulfill these and more requirements. Its main strength: managing through a single user interface all climate control, heating and cooling aspects, ranging from ventilation to humidity regulation for optimising comfort.



SmartComfort365 system is a all-in-one regulation for heating, cooling and air treatment. Sensors, actuators and control logic are connected together and powered by cloud IOT features and services.

Smart365 system logic diagrams

SmartControl365 supports the connection of up to 6 SmartBase modules, to control 48 rooms, over bathrooms, 8 SmartAir modules or 8 Deuclima-VMC air machines. The smartpoint room sensors can be connected via BUS cable or wirelessly.



Components for the SmartComfort365 ecosystem



SmartBase

Actuator module for the hydraulic part of the radiant system capable of managing up to a maximum of 8 rooms, excluding bathrooms. Head, pump and mixer, air units management



SmartAir

Actuator module able to manage the mechanical ventilation unit in dehumidification, cooling and air exchange separately; alternatively it can manage an air handling unit in dehumidification and cooling. Air unit management.



Connection set

For SmartBase/SmartAir



SmartPoint T

Temperature sensor (round box)



SmartPoint TU

Temperature/humidity sensor (round box)



SmartPoint Wireless T

Wireless temperature sensor



SmartPoint Wireless TU

Wireless temperature and humidity sensor



SmartPoint Wireless Access point TU

Wireless access point temperature and humidity sensor



SmartPoint TE

External temperature sensor



Flow temperature sensor



SmartOne365

Thermostat a sensor



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