



réGATE rSMART

Main interface

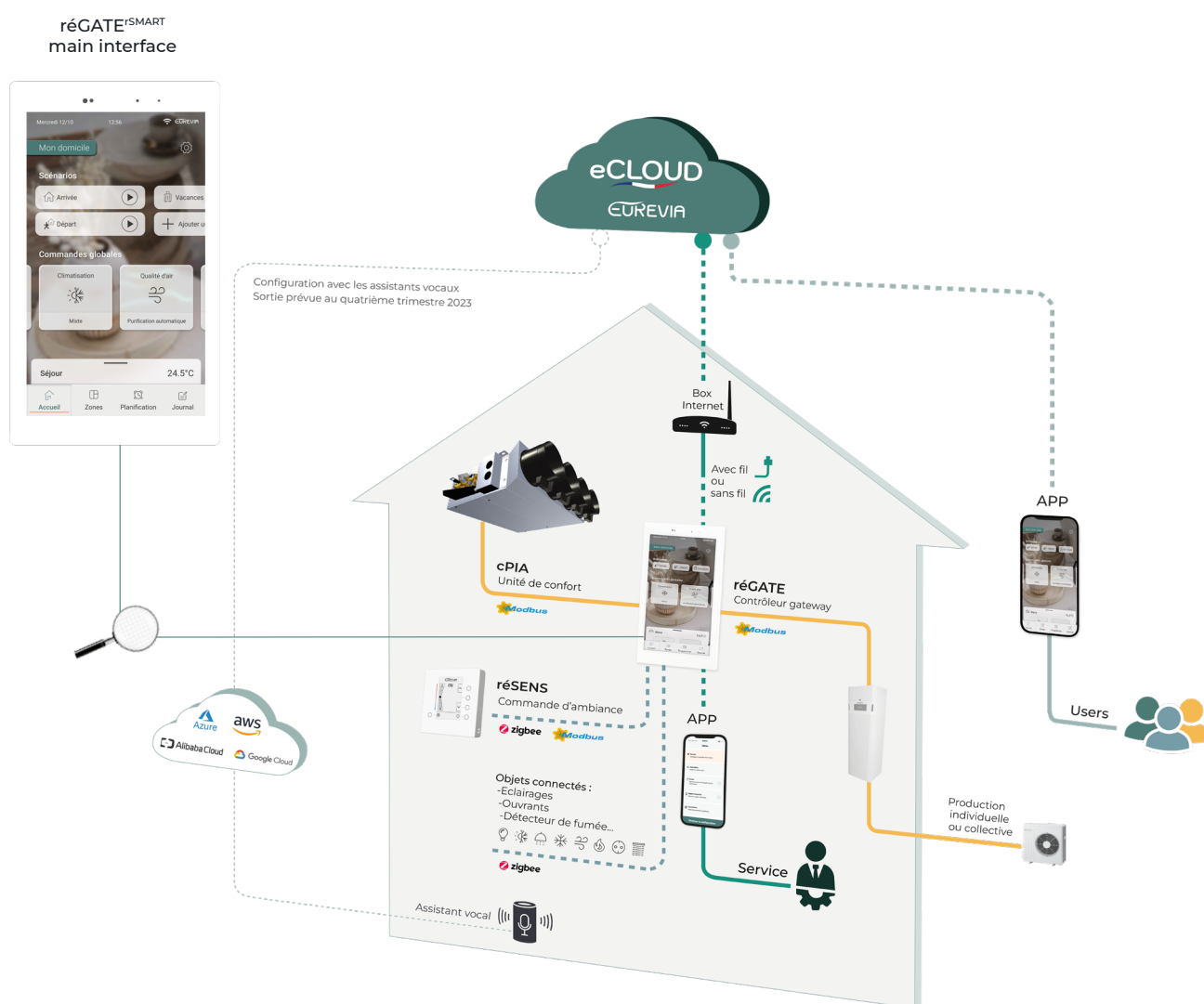
- Intuitive human-machine interface
- 7" screen
- Multi-task functions
- Multi-protocol communicator
- Integrated air quality function

General information about rSMART

The réGATE^{rSMART} main interface is designed to be integrated into the heart of the home's HVAC system. In addition to measuring temperature and humidity, it acts as the human-machine interface between the user and the rSMART multi-zone control system.

Depending on the installation, it allows you to control connected objects such as lighting, blinds and connected sockets, etc. This control can be applied to the entire home or to each room separately, promoting the EUREVIA multi-zone concept in both heating/cooling and multi-task management.

In future versions, it may be equipped with an optional particle sensor and CO₂ sensor, providing real-time information about ambient air quality. These sensors can either trigger an alarm if the thresholds are exceeded or automatically start an air purification cycle.



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Key features

- Modbus RTU, Zigbee and BLE interface for integration into the rSMART system
- 7" LED display/16.7 million colours - 1024 x 600 pixel resolution
- Adaptive backlighting
- Protection rating IP 30
- Temperature sensor
- Humidity sensor
- Multi-task control
- Particle sensor (as an option)
- CO₂ sensor (as an option)



Bluetooth® Low Energy



Specifications

Dimensions (mm)	180 x 112.2 x 21 (H x L x P)
SCREEN	7" (178 mm), 1024 x 600 16.7 million colours
Interface	1 x Ethernet, 1 x WLAN 1 x Bluetooth OPC UA (server), Zigbee, HTTP, HTTPS, SSH, SMTP, NTP
Sensors	Temperature/humidity Proximity, brightness
Power supply	24 V DC ± 10 % 3 W, backlight on : 6 W
Conditions of use	+ 10 °C to 45 °C, 10 - 90 % RH without condensation
Protection rating	IP 30

Sensor specifications

Temperature	Range: -40 to 125 °C, resolution: 0.1 °C, accuracy: ± 0.5 °C (5 to 60 °C)
Relative humidity (RH)	Range: 0 % – 100 % R.H., resolution : 0.1 % R.H. Note : ± 2 % R.H. @ 25 °C, 20 % – 80 % R.H. ± 3 % R.H. @ 25 °C, 0 % – 20 % R.H. and 80 % – 100 % R.H., respectively
Proximity	Proximity sensor (Time Of Flight) for backlight control
Brightness	0 – 4000 lux, resolution : 0.125
Camera	Resolution 1.3 Mp x 1296 x 976, 80° viewing angle

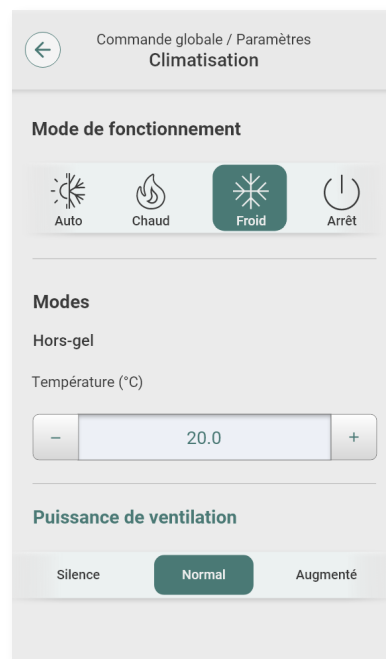
Features and visuals

Thanks to its advanced ergonomics, the réGATE^{rSMART} main interface is easy to use. The touch zones associated with the heating, purification modes etc. are easy to identify, as are those associated with the geographical zones (bedroom, living room, etc.).

Simply press the “Mode” buttons to switch between services (holiday mode, start mode, etc.) while maintaining ease of use.



Home screen



Heating/cooling display



Purification screen



Zone management screen

Wiring

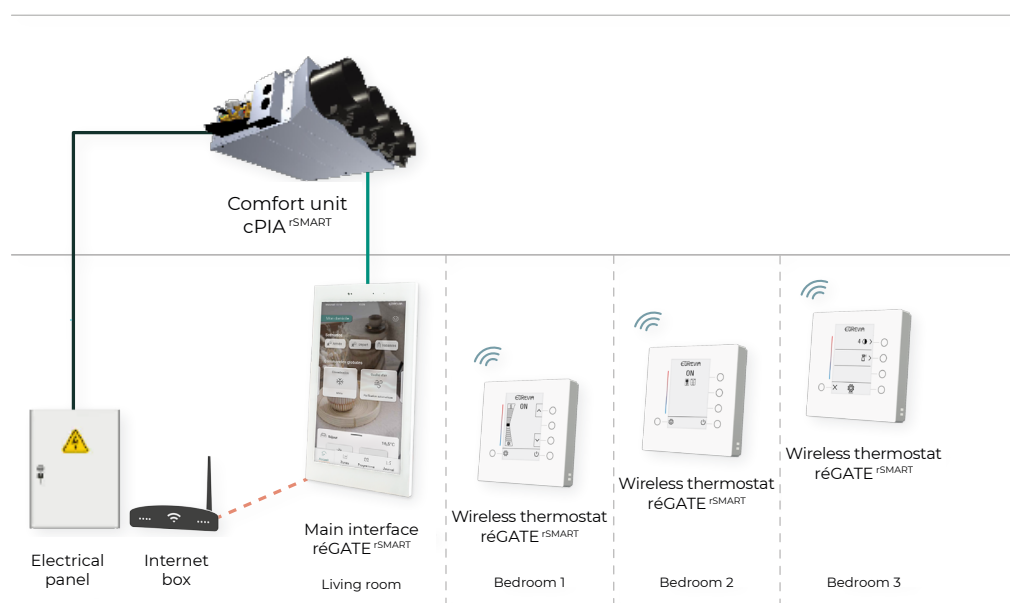
Power cabling

— 3 x G 1.5 mm²

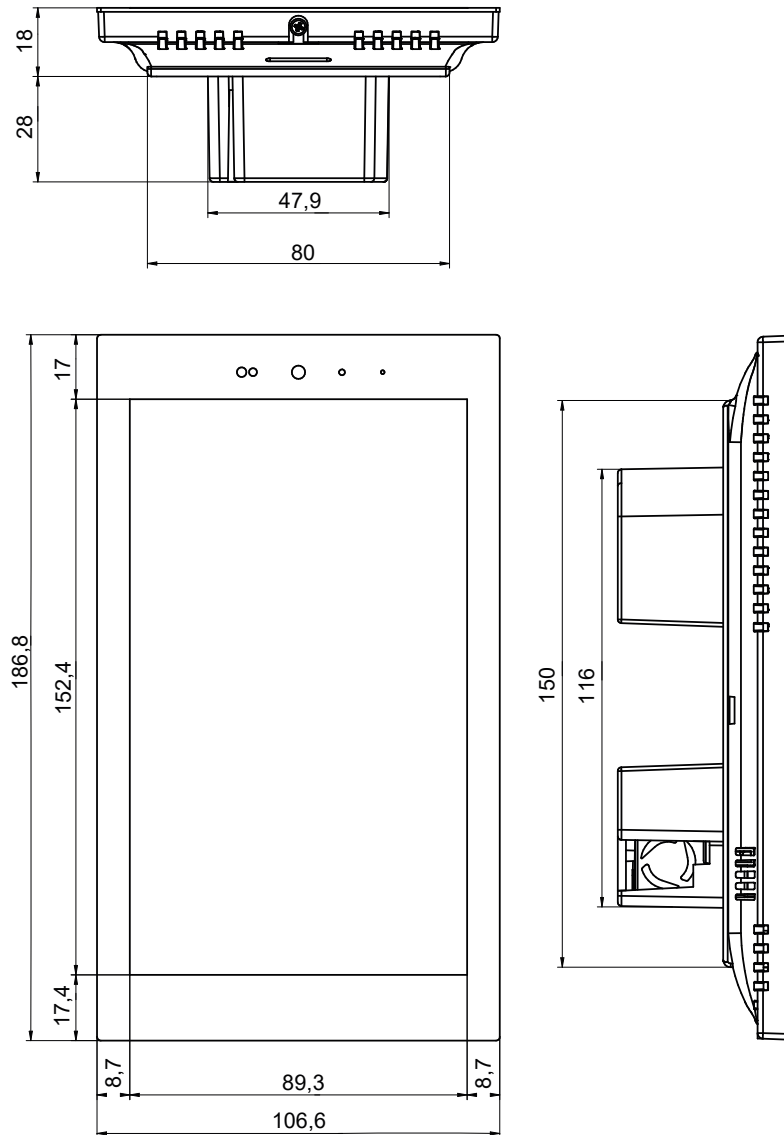
Control and regulation wiring

— LiYCY 2 x 2 x 0.75 mm²

- - - RJ45 Cat 6



Dimensions (in mm)



Notes

Main interface

réGATE^{rSMART}

Scope of application:

Home environment

Retirement and nursing homes

Tourist residences

cZONE



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Document n° OCS12103H25.EN