

AVEbus and Connected Chronothermostats Updated: Now Featuring 'Humidity Control' and the 'Hotel Function'

AVE redefines the standards of thermoregulation with important updates dedicated to its iconic chronothermostat with rotary knob and color display, available in connected IoT and wired AVEbus versions.

Designed to combine aesthetics and functionality, the device now introduces advanced features for humidity management and optimizing hospitality environments, confirming itself as **an added value for managing thermoregulation within the Smart Home and the Intelligent Building.**

Comfort comes from humidity control

Indoor well-being depends not only on temperature but also on air quality. Maintaining a **controlled humidity level** (ideally between 40% and 60%) is essential for health, environment preservation, and energy efficiency.

AVE introduces **humidity management in the summer season**, available on both the connected IoT version (44xCRTxxx-W) and the AVEbus home automation version (44xABCRTxxx). Thanks to this new functionality, it is possible to:

- **monitor the relative humidity value** in the environment in real-time;
- **adjust and view the parameters**, directly from a smartphone or tablet;
- **set three intervention thresholds** to activate dehumidification systems and stop the thermal request.

The graphical interface ensures a **simple and intuitive user experience**, allowing for precise temperature adjustment and optimal humidity management.

New "Hotel Function": total control and flexibility

To meet the growing demands of the hospitality sector (B&Bs, Hotels, and holiday homes), AVE has also implemented the **Hotel Function** on its chronothermostats. This mode allows the manager to limit the variation of the local set-point that can be made by the guest, ensuring optimal energy savings without sacrificing comfort:

- **Local limitation:** it is possible to restrict the local adjustment range from a minimum of $\pm 1^{\circ}\text{C}$ to a maximum of $\pm 5^{\circ}\text{C}$ compared to the set-point set.
- **Visual feedback:** both the application and the chronothermostat display graphically highlight the active limitation.
- **Simplified management:** locally, the guest can only switch the device on/off, adjust the temperature within the allowed range, and change the display; the manager, however, maintains total and free control via the app.

Coordinated technology and design

The AVE chronothermostat continues to stand out for its installation versatility:

- the **connected version**, thanks to **Wi-Fi Mesh** technology, communicates directly with AVE's IoT devices, without the need for external gateways. An ideal solution for smart systems, simple to configure and manage;
- the **wired version**, designed for the **AVEbus** ecosystem, ensures advanced home automation control, perfect for professional settings, buildings, and large homes.

Both versions offer different finishes — in **aluminum** (natural or anthracite) and **technopolymer** (matt white Whitek, glossy Domus, and matt gray Tekla). Thanks to the new updates, AVE chronothermostats confirm themselves as an excellent solution, capable of combining **design and technology** to effectively meet modern living needs.

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