

User Manual

Free Cooling & Active Cooling

Cool your home during hot days with the eSMART Free Cooling control system



How eSMART Free Cooling Works

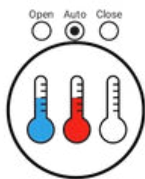
Free Cooling is used to cool the home. When the heat pump switches to cooling mode, the temperature symbol changes from red to blue. When the heat pump switches back to heating mode (autumn/winter), the temperature symbol changes from blue to red.

1. Free Cooling control | Automatic mode (Standard)

In this mode, the valves in living areas open automatically, while those in bathrooms close to prevent condensation.

2. Free Cooling control | Intermediate mode (Option)

In this configuration, an icon allows you to select 3 valve operating modes :



Valves mode

1. Open

The valves are open.

- In Free Cooling mode, the home is cooled to the maximum capacity of the system.
- In heating mode, the home is heated to the maximum capacity of the system.

2. Auto

The valves open and close automatically according to the setpoint temperature you have defined.

3. Close

The valves are closed.

- In Free Cooling mode, the home is not cooled.
- In heating mode, the home is not heated.

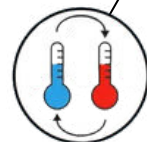
3. Free Cooling / Active Cooling control | Advanced mode (Option)

With eSMART, you continuously **regulate a setpoint temperature**, whether the system is in heating mode or Free Cooling mode. **The system automatically adjusts heating or cooling to reach this value.** The setpoint temperature corresponds to the desired temperature in your home.

Click here to access and view the temperature control for all your rooms.



Temperatures

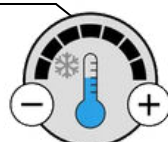


Cooling activated

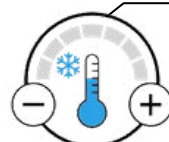
To completely disable Free Cooling, press the dedicated button. The valves close fully, preventing any cooling throughout the entire home.

Example 1: Here, the setpoint temperature is set to the maximum. Cooling is deactivated if the measured temperature is lower than this setpoint temperature.

❄️ If the snowflake icon appears grey and static, this indicates that cooling is inactive.



Living room



Bedroom

Example 2: Here, the setpoint temperature is set to the minimum. Cooling is activated if the measured temperature is higher than this setpoint temperature.

❄️ If the snowflake icon appears blue and animated, this indicates that cooling is active.



Free Cooling is **never activated in bathrooms** in order to prevent condensation and mold.