Installation Quick Guide for room sensor PT1000 ALU

This is a thermal indoor room temperature sensor of PT1000 type (without display or user interface) intended for certain heat pumps with "Genesis" control system, like the Calibra or Atlas.

The room sensor is an accessory and should be installed in a place where the temperature is relatively constant (not in a hallway, kitchen or in in a room close to alternative heating). An active room sensor can e.g. compensate for temporary indoor temperature changes caused by insolation (sun), a fireplace or any other external heat sources. It is best installed on an inside wall, around 1,6 m above floor level.
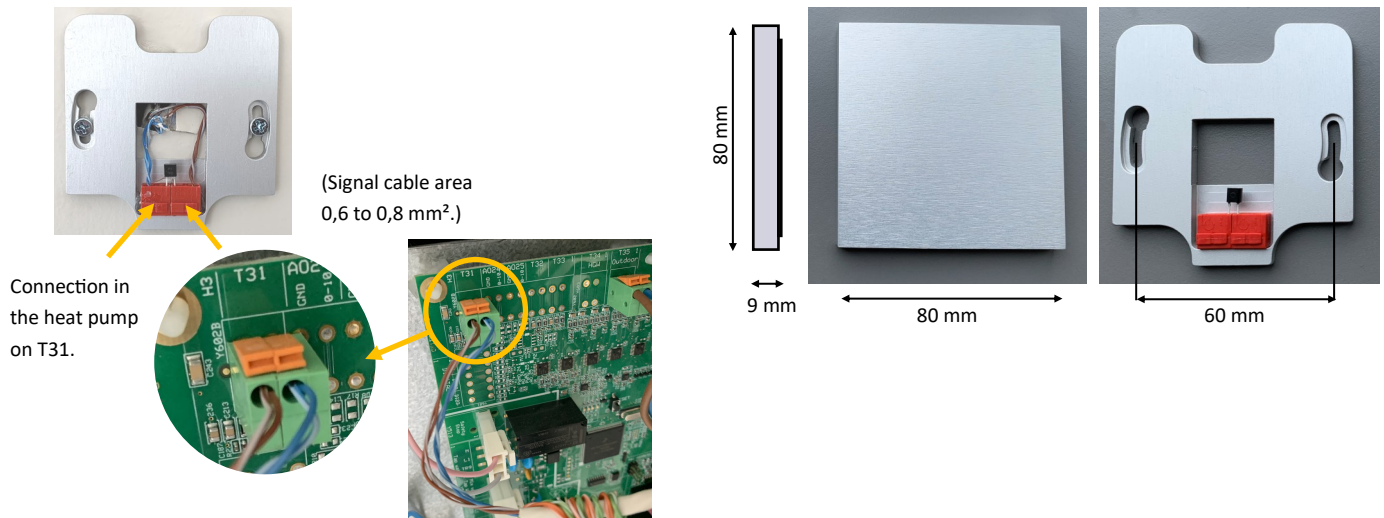
With a room sensor installed and set to "active", the heat pump regulation will use the set heat curve as a base for regulation, and use the indoor temperature sensor to compensate for any temperature deviations occurring. (See also the description below).

Even with a room sensor installed, a natural deviation between the set and actual temperature may appear.

To activate this kind of room sensor, Genesis software version **7.00** or higher, and connection possibility for this kind of room sensor on heat pump is required (not all heat pump models support this kind of sensor).

⚠️ Turn off all power to the heat pump before any work is started.
Ensure that the installation complies with local safety regulations.

(Signal cable area 0,6 to 0,8 mm².)

Connection in the heat pump on T31.

How to enable the room sensor in the heat pump controller:

1. Press ≡
2. Press padlock 🔒 and enter the code (60, 70, 80) for access.
3. Select ***Settings / Installation / Room sensor*** and select ***PT1000*** with the arrows. Press confirm ✓.
4. Select ***Settings / room sensor***.
5. Set ***Enable room sensor*** to ***I***.
6. Select ***Active*** to allow the room temperature sensor to regulate the heat together with the outdoor sensor, the desired (and actual) indoor temperature can then be read and adjusted on the start page in the heat pump display. Select Passive if you only want to read the actual temperature from the room sensor without affection the regulation.
   The temperature can be monitored via Online and is visible on the start page in the heat pump display, regardless mode (active/passive).
7. Now you can set the indoor temperature deviation compensation (***room sensor influence***). A guideline to set the room sensor influence (depending on the desired regulation and the room sensor position):
   0 = no influence, 5 = large influence
   e.g. influence (2) x deviation (+2°C) = extra setpoint = +4°C
   e.g. influence (3) x deviation (-1°C) = extra setpoint = -3°C
8. Close padlock 🔒 enter no code and confirm ✓.