

Thermostat

The thermostat can be installed in any room fitted with underfloor heating, a radiator, heating unit or cooling unit. It controls the heating or cooling for the room in which it is mounted. The thermostat is used in combination with the heating or cooling module. You can also connect this to a three-fold or six-fold switching module for switching electric heating in Niko Home Control 2.0. As Niko Home Control controls the heating or cooling in different rooms, the resident can considerably save energy by linking the thermostat, for example, to the eco-function (all-off) or calendar-based functions (contrary to maintaining a fixed temperature throughout when using thermostatic taps, for instance).



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- compatible with the Niko Home Control solar mode
- recommended mounting height: 120 - 150 cm
- flush-mounting depth: 20 mm
- dimensions: 45 x 45 x 32 mm (HxWxD)
- resting potential: 26 Vdc (SELV, safety extra-low voltage)
- back-lit colour display with three buttons
- daily/weekly programmes
- 3 weekly programmes: two for the heating function and one for the cooling function
- 5 temperature settings: day, night, eco, off (frost-free) and cool
- temperature accuracy: 0.5 °C
- protection degree: IP20
- ambient temperature: 5 - 40 °C
- in conformity with IEC60730-2-9 , EN 50491-5-2, EN 50491-2 and EN 50090-2-3

COMPLETE UNIT

550-13050	Pieces: 6	For mounting with claws, centre distance 60 mm
550-13051	Pieces: 6	For screw fixing
550-13052	Pieces: 6	For mounting with screws, centre distance 60 mm

550-13050

4 year
warranty

Thermostat Niko Home Control



The thermostat will be mounted in any room fitted with a floor-heating system, radiator, heating unit or cooling unit. It controls the heating or cooling for the room in which it is mounted. The thermostat is used in combination with the heating or cooling module. You can also connect this to a three-fold or six-fold switching module for switching electric heating in Niko Home Control II. As Niko Home Control controls the heating or cooling in different rooms, the resident can considerably save energy by linking the thermostat, for example, to the eco-function (all off) or calendar-based functions (contrary to maintaining a fixed temperature throughout when using thermostatic taps, for instance).

Thermostat Niko Home Control. Using the thermostat function, you can select heating or cooling options for several different zones or rooms. The thermostat operates in conjunction with a heating or cooling module. Each thermostat can be programmed independently. There are three weekly programmes to choose from: two for the heating function and one for the cooling function. In addition, there are five fixed temperature settings (DAY, NIGHT, ECO, COOL, and OFF). You can use the pre-programmed settings or enter your personal settings. Using the thermostat function, you can:

- select one of the pre-programmed weekly programmes or temperature settings.
- modify pre-programmed settings.
- modify fixed temperature settings.
- modify weekly programmes.
- set the date and time.
- calibrate the clock thermostat.

A thermostat can be mounted in any room fitted with a floor-heating system, radiator, heating unit or cooling unit. It controls the heating or cooling for the room in which it is mounted. The thermostat only functions properly when the temperature within the room can be measured accurately.

Try to eliminate as many factors as you can that may inhibit the thermostat's ability to accurately control the room temperature.

DO NOT mount the thermostat:

- in direct sunlight.
- on an exterior wall.
- within the immediate vicinity of a heat generating source (heater, radiator, etc.) or electrical equipment that may radiate heat (TV, computer, etc.).
- behind a curtain.
- Compatible with the Niko Home Control solar mode

Do not allow air to circulate behind the thermostat. If needed, fill in any gaps in the flush-mounting box or bus cable duct using PU foam. Push buttons with display are integrated in a bridge. The thermostat conforms to IEC60730-2-9, EN 50491-5-2, EN 50491-2 and EN 50090-2-3

The flush-mounting frame is made from 1 mm-thick metal which is galvanized on all sides after cutting, even on the cut edges. On the horizontal and vertical axes, the flush-mounting frame has 4 grooves for screw mounting in flush-mounting boxes. These grooves have a screw aperture of 7 mm. For mounting on panels, the flush-mounting frame is equipped with 4 screw holes (indicated by a screw symbol) with a diameter of 3 mm. The middle of the flush-mounting frame is indicated (chalk line, laser, ..) in both the horizontal and vertical directions, so that mounting one or more mechanisms can be carried out quickly and easily. The flush-mounting frame is equipped, both on the top and the bottom, with a dark grey, plastic end border. This border is made of PC+ASA and is joined to the flush-mounting frame using a melting process. The corners of the two end borders are equipped with rectangular openings (7.9 x 1.5 mm) each containing a multi-positional snap hook. Thanks to the snap hooks, the 4 rectangular openings ensure that the flush surround plate can always be attached flat to the wall, even in cases of untidy plasterwork. This works in two directions: If the flush-mounting box sticks out of the plasterwork, the multi-positional snap hooks can compensate for a 1 to 1.2 mm margin; if the flush-mounting box is sunk too deeply in the plasterwork, the snap hooks can compensate for up to a 1.8 mm margin. The end borders also have 4 round openings that ensure the correct positioning of the flush surround plate in relation to the central plate. At the right and left sides, the flush-mounting frame is equipped with folded-up dovetails, allowing for a quick and perfect horizontal coupling of several switches. The folded-up edges on the outside of the base and their continuation to the inside ensure additional robustness. The bases can be coupled vertically with a centre-to-centre distance of 60 x 71 mm by sliding them into each other. They automatically lock into place. For horizontal coupling of bases with a centre-to-centre distance of 71 mm, the base is equipped with two pre-formed lips at the bottom. By folding these lips down over a length of 1 mm, this rests perfectly on the one below and the centre-to-centre distance of 71 mm is guaranteed. When mounting in a flush-mounting box with grip surfaces, use claws that can be rotated open using screws with a slotted screwhead (slot 0.8 x 5 mm). The claws, which have a depth of 31 mm, turn back completely when loosened.

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550-13050 - 2020-08-08

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- Flush-mounting depth: 20 mm
- Screen type: lit colour display with the dimensions 45 x 45 x 32 (HxWxD)

550-13051

4 year
warranty

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Using the thermostat function, you can select heating or cooling options for several different zones or rooms. The thermostat operates in conjunction with a heating or cooling module.

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550-13051-2020-08-08

550-13052

4 year
warranty

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- Screen type: lit colour display with the dimensions 45 x 45 x 32 (HxWxD)
- Minimum ambient temperature: +5 °C
- Maximum ambient temperature: +40 °C