NOVOS 3 IR

Room radiation temperature sensor



Datasheet

Subject to technical alteration Issue date: 18.06.2025 • A141





» APPLICATION

Surface-mounted room sensor for measuring the effective radiation in living rooms and offices. Designed for connection to control and display systems. Typical applications are schools, office buildings, hotel or cinemas.

» TYPES AVAILABLE

Room sensor temperature - passive

• NOVOS 3 IR Temp <Sensor>

<Sensor>: PT1000 | NI1000 | NTC10K

» SECURITY ADVICE - CAUTION

The installation and assembly of electrical equipment should only be performed by authorized personnel.



The product should only be used for the intended application. Unauthorised modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

» NOTES ON DISPOSAL



The crossed-out wheelie bin symbol indicates that the product or removable batteries must not be disposed of with household or commercial waste. Within the EU, you are legally obliged to dispose of the product separately and appropriately in accordance with the national laws of your country. Alternatively, please contact your supplier or Thermokon Sensortechnik GmbH. Further information can be found at: www.thermokon.com

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» MOUNTING ADVISE ROOM SENSORS

The Accuracy of the room sensors are influenced by the technical specifications as well as the positioning and the installation type.

During Assembly:

- · Seal mounting box (if present).
- · Installation type, air draught, heat source, radiation heat or direct sunlight can affect the measurement.
- Bulding material specific properties of the installation place (brick-, concrete-, partition wall, cavity wall, ...) can affect the measurement.

Assembly not recommendet in...

- Air draught (e.g.: close to windows / doors / fans ...)
- · Near heating sources,
- Direct sunlight
- Niches / between furniture / ...

»TECHNICAL DATA

Measuring values	temperature		
Output passive (optional)	PT1000 Ni1000 NTC10k		
Measuring range temperature	-35+70 °C		
Accuracy temperature See "Information passive sensors" (Link)	PT1000 ±0,3 K (typ. at 0°C, Kl.B)	Ni1000 ±0,4 K (typ. at 0 °C)	NTC 10K ±0,22 K (typ. at 25 °C)
Sensor	2-wire		
Enclosure	PC V0, pure white		
Protection	IP20 according to DIN EN 60529		
Cable entry	Opening rear side, predetermined breaking points on underside, drill mark on top side		
Connection electrical	tool-free mountable spring terminal, max. 1,5 mm²		
Ambient condition	-35+70 °C, max. 85% non-condensing		
Mounting	surface mounted on flush-mounting box (\emptyset =60 mm) or to be mounted flat onto the surface using screws, base part can be mounted and wired separately		

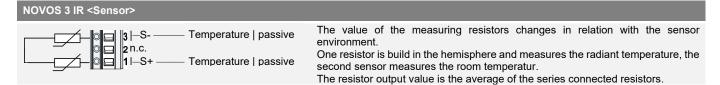
» PRODUCT TESTING AND CERTIFICATION





Declaration of conformityThe declaration of conformity of the products can be found on our website https://www.thermokon.de/direct/en-gb/categories/novos-3

» CONNECTION PLAN



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» MOUNTING ADVICES

Please make sure that the device is de-energized if you want to install it!

The installation can be performed on the flat wall surface or on a flush-mounted box. A representative place should be selected. Sunshine and draft, e.g. in the installation tube should be avoided, so that the measurement result is not falsified. Seal the end of the installation tube.

- For wiring, the upper part of the device must be removed from the base plate. Base plate and upper part are detachably connected to each other by means of locking lugs.
- The mounting of the base plate on the flat wall surface is done with rawplugs and screws.
- Finally, the device is attached to the base plate and fixed with the screw.

Housing open / close

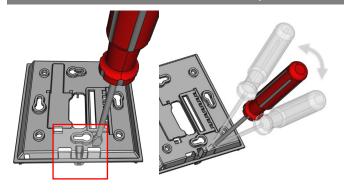
Snap the upper part of the housing into the locking lug on the upper side

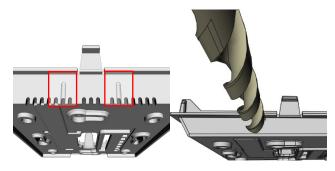
Fix the upper part of the housing on the underside with the screw included in the delivery.

Cable entry

There are predetermined breaking points for 2 optional cable entries on the underside of the base plate

On the upper side of the base plate there are 2 grits as position for a drill hole max. \emptyset 6 mm



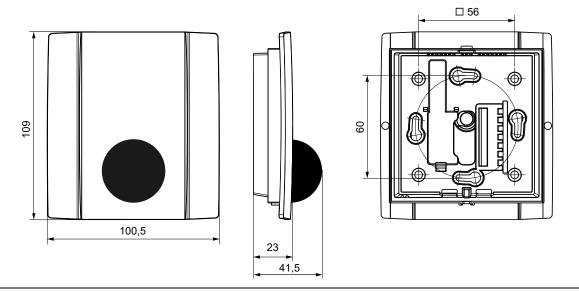




When using a drill, you should absolutely ensure that the base plate is firmly clamped. Before drilling, the pressure must be reduced and carefully drilled. A sudden break-through of the drill bit can be the result.

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» DIMENSIONS (MM)



» ACCESSORIES (OPTIONAL)

Rawlplugs and screws (2 pcs. each) Mounting bracket (surface mounted) white Mounting bracket (surface mounted) black

Item No. 102209 Item No. 795050 Item No. 795074