

SEN01T – SEN01NTC

The SEN01T module is a stand-alone, bus-powered and –controlled module available with standard digital temperature sensor (SEN01T) and with NTC temperature sensor on a 55cm wire (SEN01NTC).

The SEN01T/NTC modules can be built in by the installer in staircases, closet doors, hollow walls etc. Qbus also offers Niko central plates with specifically drilled holes for the temperature sensor on the SEN01T. For the installer or end user who is looking for a completely assembled solution, the SEN01T is also available in Lithoss-finishing (www.lithoss.com).

1. Stand-alone thermostat SEN01T

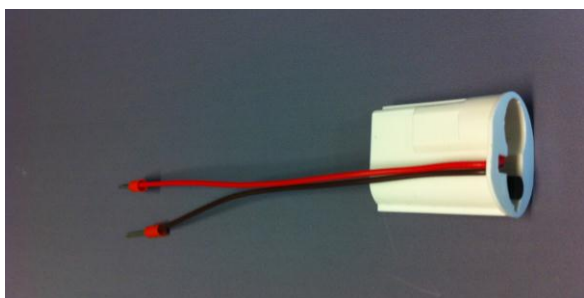


Figure 1 : SEN01T



Figure 2: drilled Niko 101/122 central plate for SEN01T (CPLSEN01T)



Figure 3: SEN01T in Lithoss-design (SEN01T/Li02)

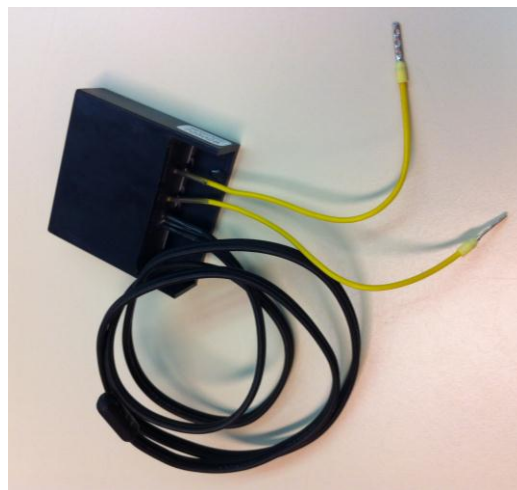
The temperature sensor on a SEN01T can be used to detect the temperature in the area it is located and to control the heating or cooling based on the measured temperature.

Up to 4 outputs are instantly generated by the System Manager and can be used in any relay module :

1. Heating = the ambient temperature is below the selected program, the heating output switches on.
2. Turbo = the ambient temperature is below the selected program with a value higher than a set limit, the turbo output switches on (heating boost).
3. Alarm = the ambient temperature is outside the minimum or maximum temperature limits, the alarm output switches on.
4. Cooling = the ambient temperature is too high, the cooling output switches on.

For the heating and cooling outputs, the hysteresis can be set between 0.5°C and 5°C.

The SEN01NTC contains an NTC temperature sensor on a 55cm wire. The NTC measures the temperature within a 63,5°C range. Via the system manager this range can be offset so the module measures within 63,5°C from -30°C (so -30°C to 33,5°C) or from +30°C (so from +30°C to 93,5°C).



Figuur 4: SEN01NTC

2. Safety Instructions

Read the complete manual before carrying out the installation and activating the system.



WARNING

- The device must be mounted and commissioned by an authorised electrician in accordance with the country-specific regulations.
- The device may be used for permanent interior installations in dry locations within box mounts.
- The device must not be opened.

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3. Mounting and wiring

Connect the bus cable on the back of the SEN01 module.

IMPORTANT :

THE BUS MUST NEVER COME INTO CONTACT WITH THE EARTHING OR A LIVE WIRE!

4. Technical data

GENERAL SPECIFICATIONS :

- Power supply : bus connection
- Ambient temperature :
Working temp. range : 10°C to 50°C
Storage temp. range : -10°C to 60°C
- Maximum humidity : 93%, no moisture condensation
- Bus load : 8mA at nominal 13,8V
- Maximum installation altitude : 2.000m

PHYSICAL SPECIFICATIONS

- Housing : Plastic with resin filling
- Protection Degree : IP20, EN 60529
- Installation: on the bus
- Dimensions (HxW) : 30mm x 23mm
- Weight : approx. 10 gr.

ELECTRICAL SAFETY

- Bus : 13,8VDC safety extra low voltage (according EN 60950 – 1:2006).

CE

- Complies with the EMC regulations and low voltage regulations. The device complies with HBES – EN 50090-2-2 and EN 60950 – 1:2006.

5. Guarantee provisions

Period of guarantee : 2 years from date of delivery.

Any faulty devices should be send postage-free with a description of the defect to our central customer service office :

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