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## Thermostats for Nexans floor heating

# Nexans Thermostat Programme



## Nexans Range

**Thermostat with setback mode.**

**4-event clock thermostat.**

**4-event clock thermostat with 2 sensors.**

**Thermostat incl. 2 sensors.**

## Application

Standard thermostat. Setback temperature via remote timer.

Built-in 4-event clock function for automatic comfort and setback temperature.

Sensor 1: Regulation. Sensor 2: Min./max. limitation.

Sensor 1: Regulation. Sensor 2: Min./max. limitation.

## Type No.

OTN-1991-NX  
incl. floor sensor 3 m.

OCC2-1991-NX  
incl. floor sensor 3 m.

OCD2-1999-NX  
with built-in room sensor and incl. floor sensor 3 m.

OTD-1999-NX  
with built-in room sensor and incl. floor sensor 3 m.

## Technical data

Mounting	Flush mounting	Flush mounting	Flush mounting	Flush mounting
Supply 50/60 Hz	230V +10/-15%	230V ±15%	230V ±15%	230V +10/-15%
Output relay	14A	16A	16A	16A
Temperature range	+5/+40°C	+5/+40°C	+5/+40°C	+5/+40°C
- Sensor 2	-	-	+5/+55°C	+15/+50°C min./max.
Setback temperature	5°K	+5/+40°C	+5/+40°C	2-8°K
Built-in interrupter	1-pole	2-pole	2-pole	2-pole
Dim. HxWxD	80x80x50 mm	80x80x48 mm	80x80x48 mm	80x80x50 mm

Types including backing plate, designed for mounting on larger types of wall sockets, used for example in England, are available.

## BUILT-IN CLOCK FUNCTION

OCC2 is with built-in 4-event program for automatic comfort and setback temperature.

### Factory-set of events:

The OCC2 types with floor sensor are delivered with factory-set programs as follows:

#### Day 1-5

Event	Time	Temperature
1	06:00-08:00	Comfort 25°C
2	08:00-16:00	Setback 20°C
3	16:00-22:30	Comfort 27°C
4	22:30-06:00	Setback 20°C

#### Day 6-7

Event	Time	Temperature
1	08:00-23:00	Comfort 27°C
4	23:00-08:00	Setback 20°C

### Individual programming of events:

The factory-set periods and/or temperatures can be changed according to requirement. Furthermore, the following programs can be selected:

- 4 events 6 days and 2 events day 7
- 4 events per day.

OCC2 is with adaptive function meaning the thermostat calculates when the heating has to be switched on making sure that the comfort temperature is obtained at the required time.

### Comfort mode:

The temperature can be temporarily changed for a single event. The comfort mode temperature is reset at the next event, and the thermostat will return to the scheduled event program.

## THERMOSTATS WITH 2 SENSORS

Sensor 1 for regulation of comfort temperature and sensor 2 for limitation of temperature.

### - Thermostat type OTD

With built-in room sensor for temperature regulation and incl. floor sensor which can be used for:

- a) Min. temperature limitation.
- b) Max. temperature limitation.

With a built-in potentiometer, sensor 2 is set on max. +25/+50°C or min. +15/+30°C.

### - Clock thermostat type OCD2

With built-in clock function as type OCC2. With built-in room sensor for temperature regulation and incl. floor sensor which can be used for:

- a) Min. temperature limitation.
- b) Max. temperature limitation.
- c) Min./max. temperature limitation.

Sensor 2 is with a temperature range of +5/+55°C.



OCC2/OCD2

## MOUNTING

### Mounting of the thermostat:

1. Flush mounting in standard wall socket.
2. In combination with light switch types Busch-Jaeger, Merten, ENSTO and Eljo. The relevant type of double frame is used.
3. Surface wall mounting with baseplate type OTN-VH.

### Mounting of floor sensor:

The sensor is mounted in conduit of consideration to replacement. The conduit is mounted between the heating cables and ended towards the floor surface.

### Mounting of room sensor:

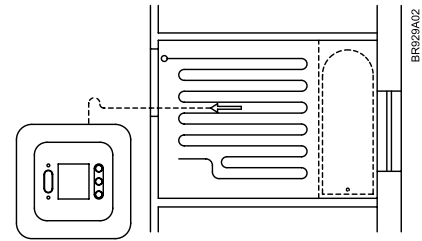
The room sensor is used for room heating. The thermostat with built-in room sensor is mounted approx. 1.6 m above the floor. Draught, direct sunlight or any other direct heating outlet must be avoided.

### Mounting of limitation sensor:

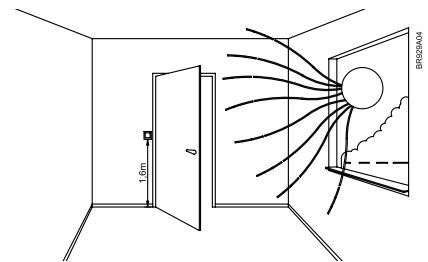
*Max. temperature* limitation is used for protection of installation or construction against excessive temperature. The sensor is mounted at a place where excessive temperature may arise.

*Min. temperature* is used for better heating comfort. The sensor is mounted as floor sensor.

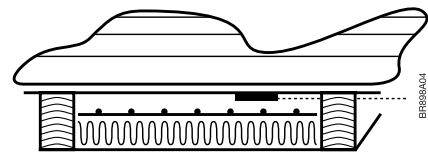
If required, the floor sensor and limitation sensor can be extended up to 100 m with a standard installation cable.



Mounting of floor sensor



Mounting of thermostat with built-in or remote room sensor



Mounting of limitation sensor in wooden floor

Nexans Norway AS, a leading producer of heating cable, and OJ Electronics A/S, a leading producer of electronic thermostats, co-operate world-wide at delivering high quality heating systems.



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