

Data Sheet

Thermostatic Radiator Sensor, Type RAW-K 5013

Application



The RAW series is a programme of radiator thermostats which covers all central and district heating systems.

RAW-K is a self-acting proportional controller with a small P-band.

RAW-K radiator thermostats are designed for use in 2-pipe domestic heating systems.

The RAW-K sensor incorporates a frost protection setting for maximum user flexibility, and provides also the option to limit the temperature range.

The RAW-K design is particularly robust, with both End-Stop strength limits and sensor bending force limits being substantially above the requirements of the European Standard EN 215.

Quality

 Thermostatic sensors RAW-K 5013 are manufactured to the highest standards, and are approved to the European standard EN 215.

All Danfoss radiator thermostats are manufactured in factories, assessed and certified against ISO 9001 and ISO 14001.

Coefficient de Variation Temporelle

RAW-K 5013: $V_t = 0,2 \text{ K}$

Features

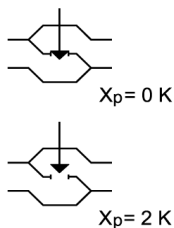
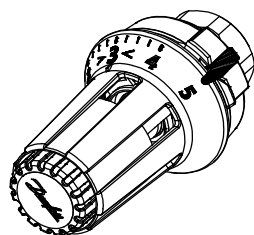
- Thermostatic valves functioning autonomously without auxiliary power
- Locking and limitation of the sensors temperature setpoint are carried out using the limiter tabs
- Comfort in heating and very good recovery (energy saving)
- Aesthetic that integrates with any interior (Colour: RAL 9016)

Ordering and Specifications

	Version	Colour	Setting range ¹⁾	Code No.
RAW-K 5013	Built-in sensor	RAL 9016	8-28 °C	013G5013

1) $X_p = 2K$ (the valve closes at 2 °C higher room temperature)

Setting the Temperature



* = Frost protection setting

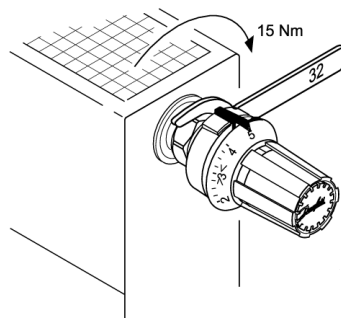
10	14	18	22	26	30	°C
*	1	2 . . . 3 . . . 4	5			
8	12	16	20	24	28	°C

The required room temperature is set by turning the thermostat handle. The temperature scale shows the correlation between scale values and the room temperature. The temperature values stated are for guidance only as the obtained room temperature will often be influenced by installation conditions.

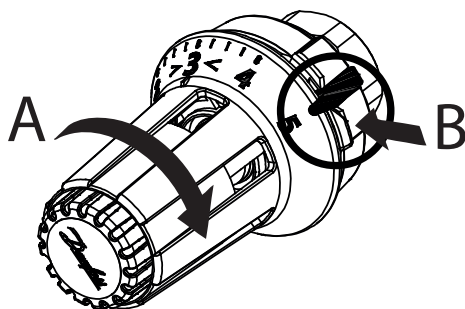
The temperature scale is stated according to European standards at $X_p = 2K$. This means that the radiator thermostat close at a sensor temperature which is 2°C higher than stated on the temperature scale.

Mounting

Mount the sensor onto the valve by tightening the nut with a wrench.



Limiting the Adjustment Range



The thermostat's two limiter tabs can be used for simply limiting of the min. and max. range.

Example: If 4 should be max. setting, turn the thermostat handle to the max. stop (A) and press and hold right tab (B) while turning the thermostat to 4. Now release tab.

With the left tab the lower temperature must be turned to other position.

Unauthorized adjustment of the limit settings can be prevented by means of blocking pins (Accessory No . 013G5199).

These can only be removed with the Danfoss special tool (Order No. 013G1236).

Datasheet**Thermostatic Radiator Sensor, Type RAW-K 5013****Dimensions**