

Brunata Radiator Thermostat

Data and information



Brunata

What you need to know...

The Brunata radiator thermostat is used for the automatic regulation of room temperature directly on radiators in a central heating system.

Application

Together with the radiator valve the thermostat provides adjustment of the amount of thermal energy emitted from the radiators in order to obtain the temperature desired. The thermostats ensure a high degree of comfort as well as considerable energy saving by making use of the possible "free heat" provided by, for instance, sunlight etc.

Mode of operation

The radiator thermostats operate by means of a liquid filled sensor element placed inside the hand-wheel. By either expansion or contraction the sensor element affects the valve seat and stem according to the difference between the temperature desired and the actual room temperature. When the room temperature exceeds the temperature desired the sensor element gradually closes the valve and thereby reduces the flow of hot heating water. When the room temperature goes down the thermostat opens the valve and increases the circulation of hot heating water in the radiator. In this way, the temperatures set are kept constant.

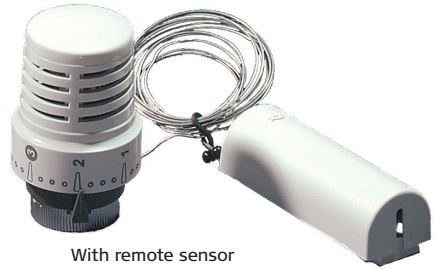
Thanks to the liquid filled sensor element these radiator thermostats have high closing pressure as opposed to manufacturers using air filled sensor elements. By these means, problems with valve stems getting stuck are avoided.

Temperature lock

In order to ensure a fast and ideal adjustment for every single room the thermostat head is equipped with a temperature lock for every constant. The lock makes it possible to:

- Limit the adjustment to a specific temperature range
- Choose a constant value

This system makes it possible to "remember" the adjustments and these can easily be changed to fit everyday needs.






With remote sensor



Standard

Adjustment

The desired room temperature is adjusted by turning the handwheel until the indicator reaches the chosen value:

		1	2		4	5
Closed	8 °C <small>(Frost proof)</small>	12 °C	16 °C	20 °C	24 °C	28 °C

“Frost proof” guarantees a minimum temperature of eight °C in order to protect the heating system in cases of intense cold.

Characteristics

- Liquid filled sensor element
- High closing pressure
- Available with remote sensor
- Available with a cap for protection against tampering
- Solid construction
- Valve unit is suitable for pipes made of iron, copper or polyethylene (PEX)
- Valve unit can be replaced while there is water and pressure on the system
- Approved to European Standard EN 215-1



Standard



With a cap for protection against tampering

For more details, we refer to the datasheets:

Brunata Radiator Thermostat Type 148 UK-QB101160

Brunata Thermostat Valve Bodies Type 130 UK-QB101161

Pressure drop chart UK-QB101162

Individual heat metering

The benefits of the radiator thermostat are made both visible and meaningful through considerable savings on your heating bill – that is, if at the same you have Brunata heat cost allocators installed on all radiators in your apartment.

To conscious consumers the installation of radiator thermostats and heat cost allocators is by far the quickest and least expensive way to obtain reductions in your heating costs. When choosing Brunata heat cost allocators you pay only for the heat that you consume, nothing more and nothing less.

Individual metering is a fundamental, environmentally sustainable concept which helps to increase consumer awareness on the need to reduce the consumption of our common resources. Naturally, it becomes our duty to develop solutions that are completely fair, accurate and easily accessible. Today and in years to come.

Contact Brunata

If you want to learn more about the benefits of letting Brunata handle your water, heat and electricity metering tasks – or get additional information on how Brunata prepares allocation accounts and bills, we would be delighted to serve you! For information on how to contact our offices outside Denmark, please visit our website or call our main office.



Brunata

Brunata a/s
Vesterlundvej 14 · DK-2730 Herlev
Tlf.: 77 77 70 00 · Fax 77 77 70 01
www.brunata.dk
brunata@brunata.dk

Brunata is a Danish owned company. We have more than 90 years of experience within developing and producing meters, heat cost allocators, consumption accounts, meter services and latest substations. Today meters are often remotely read with access to the internet. We have a quality control system fulfilling DS/EN ISO 9001 and 14001.