

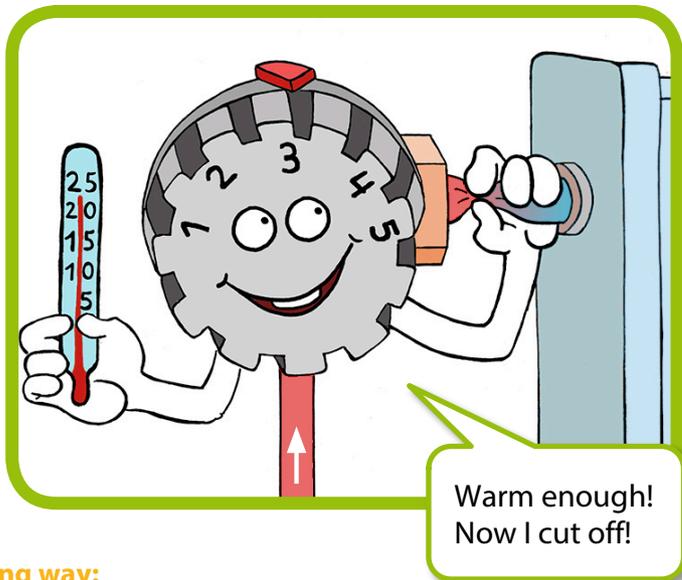
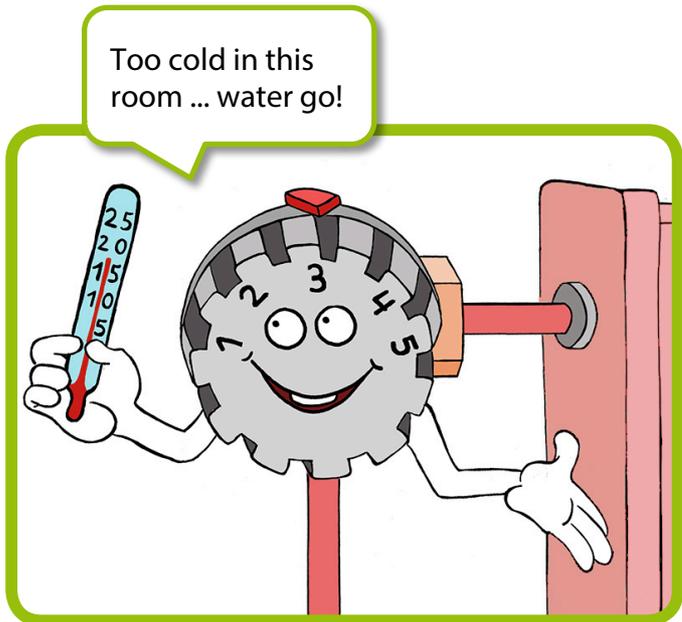
The thermostatic valve

Do your radiators have **turning knobs with numbers written on them**? If so, they operate the thermostatic valves. These valves control the flow of hot water into the radiator automatically. Thermostatic valves may not always behave as you would expect. Sometimes, the radiators only get warm if you choose a high setting (for example „4“ or „5“). **Is that intentional?**

Yes, the thermostatic valve “knows” what it is doing!

Each number on the turning knob means a specific temperature. Setting “3”, for example, corresponds to approximately 20°C. When set at “3”, the radiator will only heat up if the room temperature falls below 20°C (top image). As soon as the radiator has emitted enough heat - but also if heat from the neighbours, the stove, the presence of people, etc. has warmed up the room - the thermostatic valve will cut off the flow of hot water into the radiator (bottom image).

As soon as the temperature drops below the set value again, the valve opens anew. Thus the radiator turns “on and off” independently. You do not have to turn it up and down all the time, but simply set the temperature that should be maintained once.



You adjust the thermostatic valve in the following way:

Setting	*	1	2	3	4	5
Temperature	10°C	14°C	17°C	20°C	23°C	26°C
	Frost protection		e.g. bedroom	e.g. sitting room		... rather not at all

It is often assumed that every degree less that you use saves about 6% of heating energy!

When windows are open the heating should be switched off, and during the night it is recommendable to lower the room temperature. Both of these things save energy and heating costs.

With a room thermostat*, you can easily switch the whole heating system off and reduce the temperature at night-time. If you do not have a room thermostat, you can use your thermostatic valves for this purpose.

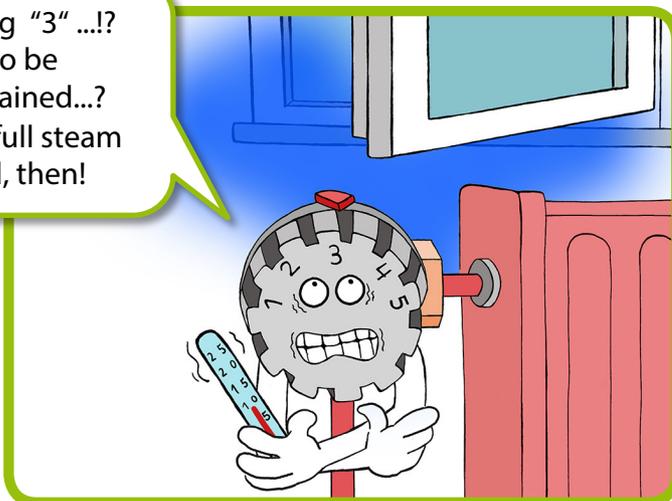
* A room thermostat is a little box on the wall. Most central gas heaters in flats are connected to a room thermostat. District heating systems do not have a room thermostat.

This is how to go about it if you do not have a room thermostat:

When the window is open turn down the radiator completely. Otherwise, most thermostatic valves will "feel" the cold air entering and will accordingly heat up all the more!

To be avoided!>

Setting "3" ...!?
20°C to be maintained...?
Well, full steam ahead, then!



Turn the thermostatic valves one or two steps down in the evening!

Very good! At bedtime I get turned down.



One exception:

If you have a room thermostat **and** the radiators in the room where the room thermostat is located have thermostatic valves:

In this room (but only here!) the thermostatic valve must always be completely opened (Setting „5“ or „6“). Doing this does not cause energy to be wasted because the room thermostat controls the temperature.