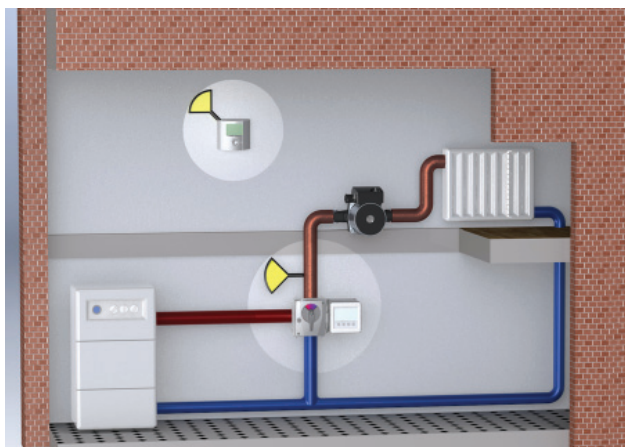
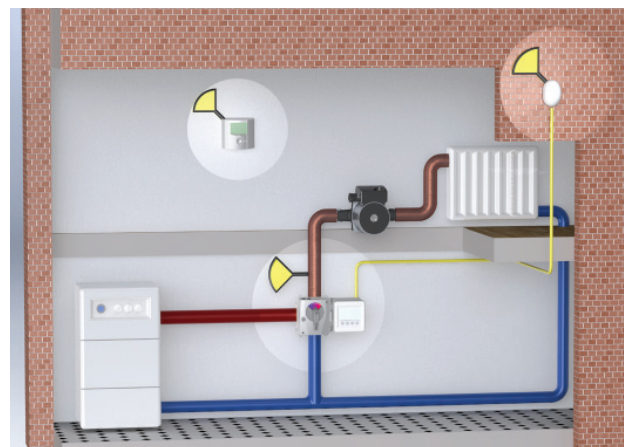


Control options and classification (according to description in "The official journal of the European Union 2014/C 207/1)



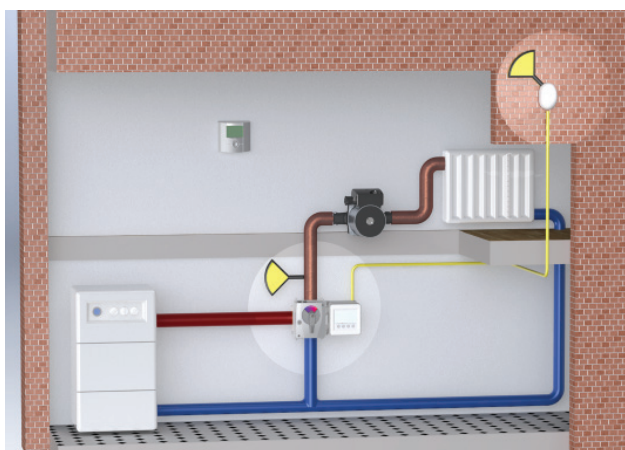
Room control (R)

This is the most efficient and easiest control function for a single-family house or premises with a uniform heating need. Easy installation/operation and optimum heating economy.



With room and outdoor sensors (ROr or ROo)

Room/outdoor in a single-family house or premises with uniform heating needs. Higher heating comfort is achieved with outdoor sensor-controlled maximum and minimum limits. Room/outdoor for regulation in multi-occupancy buildings. The outdoor sensor normally controls the heating according to the set control curve. The room sensor prevent unnecessary overheating.



Outdoor control (O)

For control in multi-occupancy buildings. The outdoor sensor controls the heating according to the set control curve.

Accessories:

- Outdoor sensor
- Passive room sensor
- Relay box
- Wireless room sensor

Classification	Energy Benefit	Product	Description
Class I	1%	On/Off-Thermostat for On/Off-Heater	A room thermostat that controls the on/off operation of a heater. Performance parameters, including switching differential and room temperature control accuracy are determined by the thermostat's mechanical construction.
Class II	2%	Weather Compensation + Modulating Heater EC Home + Outdoor sensor (O)	A heater flow temperature control that varies the set point of the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation
Class III	1,5%	Weather Compensation + On/Off Heater EC Home + Outdoor sensor + Relay Box (O)	A heater flow temperature control that varies the set point of the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation curve. Heater flow temperature is varied by controlling the on/off operation of the heater.
Class IV	2%	TPI Room Thermostat + On/Off Heater EC Home + Relay Box (R)	An electronic room thermostat that controls both thermostat cycle rate and in-cycle on/off ratio of the heater proportional to room temperature. TPI control strategy reduces mean water temperature, improves room temperature control accuracy and enhances system efficiency.
Class V	3%	Modulating Room Thermostat + Modulating heater EC Home + Relay Box (R)	An electronic room thermostat that varies the flow temperature of the water leaving the heater dependent upon measured room temperature deviation from room thermostat set point. Control is achieved by modulating the output of the heater.
Class VI	4%	Weather Compensation + Room Sensor + Modulating Heater EC Home + Outdoor sensor (RO)	A heater flow temperature control that varies the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation curve. A room temperature sensor monitors room temperature and adjusts the compensation curve parallel displacement to improve room comfort. Control is achieved by modulating the output of the heater.
Class VII	3,5%	Weather Compensation + Room Sensor + On/Off Heater EC Home + Outdoor sensor + Relay Box (RO)	A heater flow temperature control that varies the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation curve. A room temperature sensor monitors room temperature and adjusts the compensation curve parallel displacement to improve room comfort. Heater flow temperature is varied by controlling the on/off operation of the heater.
Class VIII	5%	Multi-Sensor-Room-Temperature Control + Modulating Heater	An electronic control, equipped with 3 or more room sensors that varies the flow temperature of the water leaving the heater dependant upon the aggregated measured room temperature deviation from room sensor set points. Control is achieved by modulating the output of the heater.

Source: <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:C:2014:207:FULL&from=EN> (page 17-18)

Other languages: <http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=OJ%3AC%3A2014%3A207%3ATOC>