






Comparison criteria	Radiator Thermostat – Evo <i>The evolution of smart heating</i>	Radiator Thermostat – flex <i>The flexible model</i>	Radiator Thermostat – pure <i>The newcomer</i>	Radiator Thermostat <i>The bestseller</i>	Radiator Thermostat – basic <i>The entry-level model</i>
Product image					
Short description	HmIP-eTRV-E / HmIP-eTRV-E-S / HmIP-eTRV-E-A	HmIP-eTRV-F	HmIP-eTRV-3	HmIP-eTRV-2	HmIP-eTRV-B-2
Heating cost savings of up to 33%	✓	✓	✓	✓	✓
Thread size M30 x 1.5 mm	✓	✓	✓	✓	✓
Connecting nut	Metal nut	Metal nut	Metal nut	Metal nut	Plastic nut
Supply voltage	Battery (2x 1.5 V LR6/Mignon/AA)	Battery (2x 1.5 V LR6/Mignon/AA)	Battery (2x 1.5 V LR6/Mignon/AA)	Battery (2x 1.5 V LR6/Mignon/AA)	Battery (2x 1.5 V LR6/Mignon/AA)
Battery life in years (typical)	2	3	3	2	2
Dimensions (W x H x D)	53 x 55 x 94 mm	53 x 52 x 94 mm	56.5 x 95 mm	58 x 71 x 97 mm	57 x 68 x 102 mm
Weight (incl. batteries)	190 g	180 g	190 g	205 g	185 g
Typical Range in open space	230 m	250 m	230 m	300 m	250 m
Radio frequency band	868.0-868.6 MHz 869.4-869.65 MHz	868.0-868.6 MHz 869.4-869.65 MHz	868.0-868.6 MHz 869.4-869.65 MHz	868.0-868.6 MHz 869.4-869.65 MHz	868.0-868.6 MHz 869.4-869.65 MHz
Display	✓ Illuminated LED display	✓ E-paper display	✓ E-paper display	✓ Illuminated LC display	✓ LC display
Adjustable display orientation	✓	✓	✓	no	no
No. of heating schedules	3	1 (when programmed on the device) 3 (when programmed by app)	3	3	1 (when programmed on the device) 3 (when programmed by app)
Boost function	✓	✓	✓	✓	✓
Holiday mode	✓	✓	✓	✓	✓
Whisper mode	No, because quiet in operation	✓	✓	✓	no
Eco mode	✓	✓	✓	✓	✓
Open-window detection	✓	✓	✓	✓	✓
Automatic frost protection	✓	✓	✓	✓	✓
Valve protection function (descaling)	✓	✓	✓	✓	✓
Programmable operation lock	✓	✓	✓	✓	✓
Mechanical operation lock	no	no	no	no	no
Lockable battery compartment	no	no	no	no	no
Disassembly protection	Available as accessory	Available as accessory	Available as accessory	Available as accessory	no
Cloud operation with access point supported	✓	✓	✓	✓	✓
Local operation with CCU3 possible	✓	✓	✓	✓	✓
Local operation on device supported	✓	✓	✓	✓	✓
Programming directly on the device supported	no	✓	no	no	✓
Max. no. of radiator thermostats (per room)	8	8	8	8	8
Max. no. of window contacts to be added (per room)	8	8	8	8	8
Compatible with Amazon Alexa	✓	✓	✓	✓	✓
Compatible with Google Assistant	✓	✓	✓	✓	✓