

FOR SMART HEATING  
& ENERGY SAVINGS –  
WITH EXTRA-LONG  
BATTERY LIFE

# Radiator Thermostat – compact plus

HmIP-eTRV-CL

The extra-long battery life of typically seven years (minimum five years\*) of the smart radiator thermostat from Homematic IP opens up a new product category. With its tamper-proof housing and dismantling protection, the Radiator Thermostat – compact plus is the first to have been developed specifically for the requirements of the housing and building industry, while also being suitable for private use.

\* for normal use in private households



homematic <sup>IP</sup>  
Smart living. Simply exciting.



Protected against theft and unintentional dismantling by the dismantling protection provided

Optional possibility of securing the battery compartment

## SAVE UP TO 33% ON HEATING COSTS

With smart individual room control, only the rooms that are actually needed are heated, based on demand. This means that, depending on the age of the building, up to 33% of energy can be saved. Tailored temperature sequences, with up to 13 programmable changes for each day, in up to three adjustable weekly programmes, mean that room climates can be exceptionally comfortable.

Lowering the heating temperature while ventilating rooms saves additional energy. The radiator thermostat automatically detects when windows are opened for ventilation and communicates this to other Homematic IP radiator thermostats in the same room. In addition, a wide range of wireless window contacts are available, which detect windows opening and closing with particular precision.

## DESIGNED FOR THE HOUSING AND BUILDING INDUSTRY

The housing and building industry has different requirements from those found in private households. The Radiator Thermostat – compact plus is the first radiator thermostat developed specifically for these market segments.

- ✓ With a typical battery life of seven years (minimum five years\*), it meets an essential requirement in professional use.
- ✓ In addition, dismantling protection is available, and securing the battery compartment with a seal or lead seal helps provide evidential security against misuse.
- ✓ Certain software features (such as an operation lock with PIN) were developed especially for professional use.

\* for normal use in private households

## PARTICULARLY FLEXIBLE AND INTUITIVE OPERATION

As part of a smart home or smart building-solution:

- ✓ The Radiator Thermostat – compact plus can be operated with the Homematic IP cloud solution, the Homematic IP Access Point and the Homematic IP smartphone app (like all Homematic IP radiator thermostats).
- ✓ In 2017, the Stiftung Warentest used the title “user friendly” for the first time when eQ-3 AG achieved its first test victory with Homematic IP.
- ✓ Alternatively, the Radiator Thermostat – compact plus can also be used with the local Homematic IP CCU3 central unit, or with various partner products.

In a smart room network without cloud or central control unit:

- ✓ Up to four radiator thermostats can be combined with up to four window contacts and a wall thermostat without a cloud or local central control unit using the “push-to-pair” configuration to form a room network that additionally increases comfort and savings.

Stand-alone:

- ✓ Furthermore, stand-alone operation is also possible with the Radiator Thermostat – compact plus. Without a smartphone app and cloud, or a local control centre, you can program and operate it flexibly directly on the device or on a wall thermostat connected to the room network.

## EASY INSTALLATION

The radiator thermostat can be mounted directly on the most frequently used valves with M30 x 1.5 thread. For Danfoss valves, valve adapters are supplied, and other adapters are available for practically all valve types.

Easy to install: once commissioned, the Radiator Thermostat – compact plus automatically adjusts to the different strokes of the various valves.



Illuminated LC display

Buttons for intuitive operation directly on the unit

Precision gearing for precise room temperature control

## YEARS OF EXPERIENCE

The radiator thermostats from eQ-3 AG have been ranked number 1 since the electronic radiator thermostat product test by Stiftung Warentest in 2009.

As the European market leader in the Whole Home sector, eQ-3 AG has since successfully produced tens of millions of radiator thermostats.

## PARTICULARLY COMPACT

Our radiator thermostat has a compact design and barely protrudes into the room – in contrast to typical mechanical radiator thermostats. This makes this radiator thermostat particularly easy to handle in practical use during installation.



Optional possibility of securing the battery compartment with a lead seal

#### Usage:

- As a stand-alone unit, without any connection to other units (programming directly on the unit itself).
- In combination with one or more window contacts.
- In combination with other Homematic IP radiator thermostats (and with window contacts).
- Homematic IP Access Point with free smartphone app and free cloud service
- Partner solutions

## HYDRAULIC BALANCING ON THE RADIATOR

For efficient operation, heating systems must be hydraulically balanced. For example, when replacing a heating system, the new system must be hydraulically balanced in accordance with the German Construction Contract Procedures (VOB-C). At the radiator, hydraulic balancing is performed via a valve presetting, which is complex to determine. Because of this, often all the radiator valves in the building have to be replaced by presettable valves.

Like other Homematic IP radiator thermostats, the Radiator Thermostat – compact plus offers dynamic, adaptive hydraulic balancing. This takes place automatically at any time during the heating season without any need for configuration and eliminates the need for cost-intensive valve replacement.

## MANY EXTRA FUNCTIONS

- ✓ Display illumination for optimum readability even in unfavourable lighting conditions
- ✓ Boost function to quickly achieve comfort through additional heat
- ✓ Valve protection function to protect the valve from calcification



## TECHNICAL SPECIFICATIONS

Supply voltage	4x 1.5 V LR06/Mignon/AA
Battery life	typ. 7 years (min. 5 years*)
Degree of protection	IP20
Ambient temperature	0 to 50 °C
Dimensions (W x H x D)	54 x 108 x 65 mm
Radio frequency band	868.0–868.6 MHz 869.4–869.65 MHz
Threaded connection	M30 x 1.5 mm

## LOGISTICS DATA

Product reference	157681A0
EAN code	4047976576814
Short description	HmIP-eTRV-CL
Packing unit	45
Packing dimensions	122 x 112 x 97 mm
Weight incl. packaging	tbd

## PACKAGE CONTENTS

Homematic IP Radiator Thermostat – compact plus
Homematic IP dismantling protection
Danfoss adapters (RA, RAV and RAVL)
Mounting accessories
1.5 V LR6/Mignon/AA batteries (4x)
Operating manual