

## Features

- The H2O Degree HCV0104 radiator actuator interfaces directly to the HCB0104 Thermostat Radiator Bridge.
- Radio transmission range typically 30m line-of-sight (Ranges are dependent upon both distance between transmitter and receiver as well as building materials in a specific building. Contact H2O Degree for a site evaluation.
- The HCV0104 actuator requires no external power and generates and stores energy for self-powering via a internal thermoelectric generator. No battery required.
- Device contains a thermoelectric harvesting module and integral energy storage. It also contains an electromechanical valve actuator, a radio module and microcontroller that makes all parts of the system work together.
- Actuator is equipped with a number of hard- and software functions that not only allow remote management and commissioning but also features unique status and monitoring capabilities.
- Device offers a debug- and deployment-friendly radio communication interval of 10 seconds for the first 10 minutes following its initial activation.
- Device operates with EnOcean standard EEP A5-20-01 (4BS) in either valve position or set temperature mode.
- In the event of radio failure (6 attempts) the internal temperature controller is activated and the radiator is regulated to a preset temperature. A change of the radio interval does not take place. The drive goes into normal operation as soon as the radio communication is restored.
- The metallic part of the unit's housing serves as a heat sink.
- The thermostatic radiator valve is designed for indoor installation only, away from wet surfaces.
- The self-powered thermostatic radiator valve is suitable solely for controlling water-filled heating radiators.
- Five year warranty.



## Overview

The H2O Degree HCV0104 Radiator Valve mounts directly onto radiator valve bodies where it controls the room temperature, based on signals from the HCB0104 Thermostat Radiator Bridge. It is radio-controlled and powered by energy harvesting, so neither requires any cabling work nor does it consume batteries. It is designed for maintenance-free operation. The wireless design makes the unit ideal for retrofit installation and cost-sensitive projects where cabling cost is prohibitive.

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## Ordering Information

Model	Description
HCB0104	Thermostat Radio Bridge to Wireless Radiator Actuator
HCV0104	Radiator Activator