

## Comparison of Homematic IP Wall Thermostats

Comparison criteria	Wall thermostat with Humidity sensor <i>The classic</i>	Wall thermostat – basic <i>The starter model</i>	Temperature and humidity sensor with display – indoor <i>Everything at a glance</i>	Temperature and humidity sensor – indoor <i>The discreet one</i>
Short description	<b>HmIP-WTH-1</b>	<b>HmIP-WTH-B-2</b>	<b>HmIP-STHD</b>	<b>HmIP-STH</b>
Product image				
Supply voltage	Batteries (2x 1,5 V LR03/Micro/AAA)	Batteries (2x 1,5 V LR03/Micro/AAA)	Batteries (2x 1,5 V LR03/Micro/AAA)	Batteries (2x 1,5 V LR03/Micro/AAA)
Battery life in years (typ.)	2	5	2	2
Dimensions (W x H x D) without frame with frame	55 x 55 x 23,5 mm 86 x 86 x 25 mm	85 x 85 x 22 mm	55 x 55 x 23,5 mm 86 x 86 x 25 mm	55 x 55 x 19 mm 86 x 86 x 20 mm
Weight (incl. batteries)	100 g	185 g	65 g	85 g
Typ. radio free-field range	250 m	250 m	180 m	130 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
Display	✓ Illuminated LC-Display	✓ LC-Display	✓ LC-Display	No Display
Number of heating profiles	3	1 (when programmed on the device) 3 (when programmed via App)	3	3
Boost function	✓	✓	No (only via App)	No (only via App)
Holiday mode	✓	✓	No (only via App)	No (only via App)
Programmable operation lock	✓	✓	-	-
Cloud operation with access point supported	✓	✓	✓	✓
Local operation with CCU3 supported	✓	✓	✓	✓
Stand-alone-operation supported	No	✓ Direct teach-in to HmIP-SWDM-2, HmIP-eTRV-B-2, and HmIP-FAL (different variants) possible	No	No
Max. number of radiator thermostats (per room)	8	8	8	8
Max. number of connectable window contacts (per room)	8	8	8	8
Operation on the device supported	✓ By rotary wheel	✓ By buttons	No (only via App)	No (only via App)
Programming on the device supported	✓	✓	No (only via App)	No (only via App)
Compatible with Amazon Alexa (with HmIP-HAP)	✓	✓	✓	✓
Compatible with Google Assistant (with HmIP-HAP)	✓	✓	✓	✓
Integration in switch series (55mm frame dimension) possible	✓	No	✓	✓