

| Comparison criteria | Wall Thermostat with Humidity Sensor | Wall Thermostat – basic | Temperature and Humidity Sensor with Display – indoor | Temperature and Humidity Sensor – indoor |
|--|--------------------------------------|--|---|--|
| | <i>The classic</i> | <i>The entry-level model</i> | <i>Everything you need to know at a glance</i> | <i>The inconspicuous model</i> |
| Product image | | | | |
| Short description | HmIP-WTH-1 / HmIP-WTH-A HmIP-WTH-2 | HmIP-WTH-B-2 / HmIP-WTH-B-A | HmIP-STHD / HmIP-STHD-A | HmIP-STH / HmIP-STH-A |
| Supply voltage | Batteries (2x 1.5 V LR03/micro/AAA) | Battery (2x 1.5 V LR6/Mignon/AA) | Batteries (2x 1.5 V LR03/micro/AAA) | Batteries (2x 1.5 V LR03/micro/AAA) |
| Battery life in years (typical) | 2 | 5 | 2 | 2 |
| Dimensions (W x H x D) without frame including 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 |
| Typical Range in open space | 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 |
| No. of heating schedules | 3 | 1 (when programmed directly on the device) 3 (when programmed via the app) | 3 | 3 |
| Boost function | ✓ | ✓ | No (only via the app) | No (only via the app) |
| Holiday mode | ✓ | ✓ | No (only via the app) | No (only via the app) |
| Programmable operation lock | ✓ | ✓ | - | - |
| Cloud operation with access point supported | ✓ | ✓ | ✓ | ✓ |
| Local operation with CCU3 possible | ✓ | ✓ | ✓ | ✓ |
| Stand-alone operation possible | No* | ✓ Direct pairing with HmIP-SWDM-2, HmIP-eTRV-B-2, and HmIP-FAL (different versions) possible | no | no |
| Max. no. of radiator thermostats (per room) | 8 | 8 | 8 | 8 |
| Max. no. of window contacts (per room) | 8 | 8 | 8 | 8 |
| Local operation on device supported | ✓ Via control wheel | ✓ Via buttons | No (only via the app) | No (only via the app) |
| Programming directly on the device supported | ✓ | ✓ | No (only via the app) | No (only via the app) |
| Compatible with Amazon Alexa (via the HmIP-HAP) | ✓ | ✓ | ✓ | ✓ |
| Compatible with Google Assistant (via the HmIP-HAP) | ✓ | ✓ | ✓ | ✓ |
| Integration into switch series (55 mm frame size) possible | ✓ | no | ✓ | ✓ |

*Direct pairing with HmIP-WTH-2 to HmIP-FAL (different versions) possible