DATASHEET

# HVAC Thermostat

## HSC6 (model HSC6S-HP)

Z-Wave 800 Series 24 VAC thermostat for conventional and heat pump systems. It controls central air equipment locally and from a Z-Wave controller.




Rev. 1.0 | October 2026

## Key features

- Supports 14 system types: conventional systems with up to 2 heat and 2 cool stages, heat pumps with O/B changeover, auxiliary heat, and emergency heat, and 3-wire zone valves.
- System modes: Auto, Heat, Cool, Off, and Emergency Heat. Fan modes: On, Auto, and Circulate.
- Built-in temperature and humidity sensor. Reports to the controller when values change.
- Compressor protection delay from 0 to 10 minutes.
- Z-Wave 800 Series radio with S2 security.
- Panel lock, °F/°C selection, and power-failure memory.
- Installer test mode to check each heating, cooling, and fan output.
- Optional wire saver module for systems without a C wire.

## Applications

- **Hotels:** guest-room automation tied to occupancy and check-in status.
- **Short-term rentals:** remote control and scheduling between stays.
- **Schools:** classroom automation that cuts energy use in empty rooms.
- **Light commercial:** offices and retail spaces with scheduled operation.

## Key specifications

| | |
|---|---|
| **Model** | HSC6S-HP (ordering SKU HSC6) |
| **Power supply** | 24 VAC (20 to 28 VAC) from the HVAC system transformer |
| **Power consumption** | Less than 1 W |
| **Relay output** | Less than 1 A per output, resistive load |
| **Supported systems** | Conventional: up to 2 heat and 2 cool stages. Heat pump: up to 2 compressor stages with auxiliary and emergency heat. 3-wire zone valve |
| **Setpoint range** | 68 to 77 °F (19 to 28 °C), default |
| **Control accuracy** | ±1 °F (±0.5 °C) |
| **Wireless protocol** | Z-Wave 800 Series with S2 security, US frequency |
| **Housing** | Tempered glass front, PC body |

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| **Dimensions (W x H x D)** | 136 x 94 x 26 mm (5.35 x 3.70 x 1.02 in) |
| **Mounting** | Junction box, 60 mm screw hole pitch |

## Compliance

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|---|---|
| **Radio** | FCC Part 15. FCC ID: **[TBC: confirm FCC ID on product label]** |
| **Z-Wave certification** | **[TBC: Z-Wave Alliance certification in process. Add certificate number when issued]** |
| **Safety listing** | **[TBC: confirm UL or ETL listing for the US market]** |

## Ordering information

| SKU | Description |
|---|---|
| HSC6 | HVAC thermostat HSC6S-HP, 24 VAC, Z-Wave 800 Series, white |

Specifications can change without notice. For installation, configuration, and safety information, read the user manual.