

THS-9-ULE Temperature & Humidity Sensor

Intelligent Temperature Control



THS-9-ULE is a multifunctional DECT ULE temperature and humidity sensor that monitors the temperature and humidity of users' homes with precision and accuracy. By monitoring the changes of temperature and humidity over time, homes can be automated to increase users' comfort and create a safer, healthier environment.

THS-9-ULE can be deployed to control the on/off status of devices and appliances. For example, trigger your smart thermostat, A/C unit, portal heater, or humidifier to avoid mold and provide respiratory relief.

Additionally, this multifunctional sensor also sends low battery signals as well as regular supervision signals to check system integrity, providing timely and actual indoor environment conditions. As a DECT ULE device, the THS-9-ULE can be flexibly integrated into new or existing DECT ULE systems.

Features

- 2-in-1 multifunctional device that detects temperature and humidity
- Temperature sensor: detects temperature from -10°C to 45°C (14°F to 113°F)
- Humidity sensor: detects humidity range 0 ~ 100% RH
- Notify when temperature change is $\pm 2^{\circ}\text{C}$ (3.6 °F) and/or humidity changed is $\pm 10\%$
- LED status indicator
- Compatible with other manufacturers' DECT ULE systems
- Low battery detection
- Regular supervisory signals ensure the device's proper operation
- Designed for residential and commercial security applications

Specifications

Communication Protocol	DECT ULE RF Protocol
Frequency	1880 MHz -1900 MHz (EU) / 1920 MHz - 1930 MHz (US)
Power Source	3V, CR123 Lithium battery x 1
Battery Life	3.2 years*
Operating Temperature	-10°C to 45°C (14°F to 113 °F)
Operating Humidity	Up to 85% non-condensing
Dimensions	103 mm x 31 mm x 21 mm

*Note: Actual battery life may vary with product settings, usage patterns and operating environment.