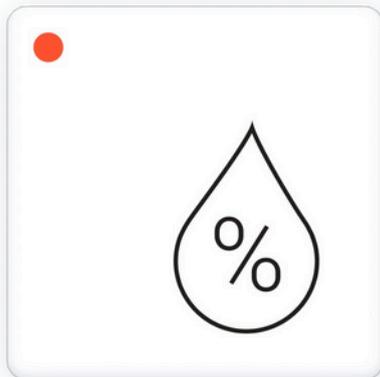Specifications
# WIRELESS HUMIDITY SENSOR

## How it works

The Wireless Humidity Sensor measures humidity and temperature, transmitting data every 15 minutes to a Cloud Connector via SecureDataShot™. The connector relays readings to a cloud service. It features touch functionality for easy installation and use.

| | |
|---|---|
| Operating Temp | -40 to 85°C (0 to 50°C recommended, non-condensing) |
| Humidity | 0 to 100% RH at 25°C |
| Storage | Cool, dry, room temperature |
| Construction | Impact-modified acrylic film, IP68 sealed |
| Size & Weight | 19 x 19 x 2.8 mm (±0.2 mm), 2.0 g (±0.3 g) |
| Lifetime | Up to 10 years (1) |
| Certifications | CE, WEEE, Batteries Directive |
| Radio Range | 25 m indoor, 300 m free-space (std), 1000 m (Boost) |
| Wireless | 868 MHz SRD/ISM, SecureDataShot™ |
| Temp Accuracy | 0.05°C resolution, ±0.4°C at 25°C |
| Humidity Accuracy | 1% RH resolution, ±4.5% RH (20-80% RH at 25°C) |

POLYGON

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| Humidity Accuracy | 1% RH res., ±4.5% RH (20-80% RH at 25°C) |
| Temp Dependency | -40°C: 1w/3y, -25°C: 4y, 0°C: 7y, 25°C: 10y, 50°C: 5y, 85°C: 4mo |
| Humidity Dependency | 0% RH: ±7.5%, 20% RH: ±4.5%, 100% RH: ±7.5% |

The Wireless Water Detector performance is temperature dependent. The sensor battery will have reduced current drive capabilities at low temperatures resulting in increased recovery time and reduced range in Boost Mode. Self discharge of the battery will reduce the lifetime significantly at high temperatures.

The sensor is waterproof but not for submersion, as prolonged exposure may reduce its lifespan. Avoid strong magnetic fields, mounting with magnets, and fluctuating electric fields, which can cause false touches. Harsh conditions like intense sunlight, mechanical stress, solvents, and extreme temperatures may also shorten its lifespan.