

Specifications

WIRELESS WATER DETECTOR



How it works

The Wireless Water Detector senses water contact on its front surface but is not intended for continuous submersion. It wirelessly transmits status changes via SecureDataShot™ to a Cloud Connector, which relays the message to a cloud service. Every 15 minutes, it sends an operational update. Touch functionality allows for easy installation and use.

Operating Conditions	Temperature range	-40 to 85 °C
Recommended temp. range(1)	Humidity at 25 °C	0 to 50 °C non condensing 0 to 100% relative humidity
Recommended Storage Conditions		Cool and dry, near normal room temperature
Construction Material		Sealed, IP68 Impact modified acrylic film
Typical Dimensions(2)		19 x 19 x 2.5 mm (±0.2 mm)
Typical Weight(2)		2.0 g (±0.3 g)
Lifetime		Up to 15 years (3) , see graph
Certifications and Compliance		CE, WEEE, Batteries directive
Radio range		25 m indoor(4), up to 300 m free-space(4)
Standard Mode		Up to 1000 m free-space(4)
High Power Boost Mode		
Wireless Communication		EU: 868 MHz SRD/ISM band, SecureDataShot
Detection response/recovery time		750 ms / 1500 ms

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.

Performance

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Parameter	Value
Temperature Dependency	
Sensor Lifetime (recommended temp. range)	15 years at 25 °C
Sensor Lifetime (full temp. range)	
-40 °C	5 years
-25 °C	5 years
25 °C	15 years
50 °C	7 years
85 °C	1 week (3) / 3 years
Typical Communication Recovery Time	
Fresh battery	0.5 seconds
Close to depleted battery	1 minute
Typical Communication Recovery Time (after long inactivity)	10 minutes
Typical Shelf Life (without use)	4 months

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.