

The iButtonLink SS-WALL-TH is a 1-Wire temperature and humidity sensor designed for flush mount wall installation. The unit mounts in a ½” hole in any wall at least 3” deep. The surface of the sensor may be painted to match the wall color, except for the small hole used for air transfer with the room. The sensor may be installed using wire nuts to a fished line for easy contractor installation.

The SS-WALL-TH can be used to monitor environmental conditions in buildings by determining the temperature and humidity of an area with minimal disruption to the decor.

The sensor element is protected by a Gortex™ type cover to protect the element from dust and light condensation.

Key Features

- Concealed sensor for temperature and humidity.
- Designed for contractor installation with wire nuts.
- iButtonLink SmartSlave technology works with all 1-Wire masters.

Why iButtonLink

- Industrial strength design
- 100% final test and burn-in
- Flexible and responsive

Table 1 Normal Operating Parameters

Parameter	Min	Typical	Max	Units	Comments
Power input	4.5	5.0	5.2	Volts	Third wire run with 1-Wire
External Power Connector					Stripped 18 Gauge wire
Operating Temperature	-40		125	Degrees C	
Operating Humidity	0		100	% RH	Non-condensing

Table 2 Detailed Specifications

Parameter	Min	Typical	Max	Units	Comments
Humidity Accuracy		2.0	3.5	% RH	20% to 80% RH, max 5% 0-100%
Temperature Accuracy		0.3	0.5	Degree C	0-65 degrees C
Humidity Drift		0.5		% RH	Per year

Table 3 Product Details

Part Number	SS-WALL-TH
Batteries	None
Dimensions and drawings	
Internal Sensors	Temperature and Humidity
Environmental seals	Sensor element covered to protect from condensation and dust. Overall sensor is not environmentally sealed.

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