



Hartford Steam Boiler

Risk Solutions

# Water Sensor

Hartford Steam Boiler  
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The Sensor Systems by HSB Water Sensor is designed for indoor residential and commercial applications to detect when water intrusion is present. The sensor is not intended for industrial or heavy duty use. The sensor is powered by a single non-replaceable AA battery, eliminating the need for an electrical outlet.

The sensor is water resistant, sealed in a white ABS case. It's simplistic design does not require the sensor to be mounted. It is designed to be placed on a level surface, such as a floor, to detect the presence of water.

The sensors communicate with the Sensor Systems by HSB Indoor IoT Gateway using LoRaWAN™ protocol, prolonging battery life and providing extended communication range. The sensor sends updates to the gateway at a user configurable rate.

The sensor comes with an LED light indicating power and connectivity to the gateway.

Key Features:

- Battery powered
- Operational status LED
- LoRaWAN™ protocol

## Technical and Functional System Specifications

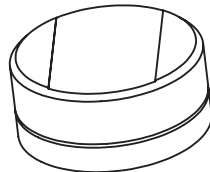
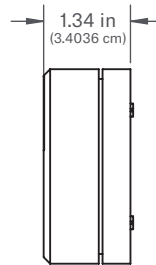
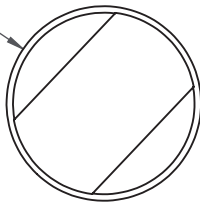
RF Frequency:	902.3-914.9MHz
Operating Temperature Range:	-55°C to +85°C (-67°F to +185°F)
Optimal Battery Temperature Range:	-55°C to +85°C (-67°F to +185°F)
Weight:	62 g (2.18 oz) (w/o batteries) 82 g (2.89 oz) (w/batteries)
Wireless Range:	350 ft indoors, up to 1000 ft outdoors
Temperature Sensor Accuracy:	From -10°C to +85°C, +/- 1°C
Sensor Probe Ground Clearance:	2.5mm (.10 in)
Case Skirt Ground Clearance:	1.5mm (.06 in)
Sensitivity:	400k Ohm trigger point. Water less conductive than this will not set off the detector.
Battery Type	(1) AA Tadiran Lithium Thionyl Chloride (Li/SOCl <sub>2</sub> ) Battery Shipping Regulation Guidance: <a href="http://www.tadiranbatteries.de/pdf/Technical-Brochure-LTC-Batteries.pdf">http://www.tadiranbatteries.de/pdf/Technical-Brochure-LTC-Batteries.pdf</a>
Case Material	White ABS

Certifications:



## Dimensions:

∅ 3.00 in  
(7.62 cm)



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to this device not approved by Hartford Steam Boiler or Meshify could void the user's authority to operate the equipment.