

# Product Brief

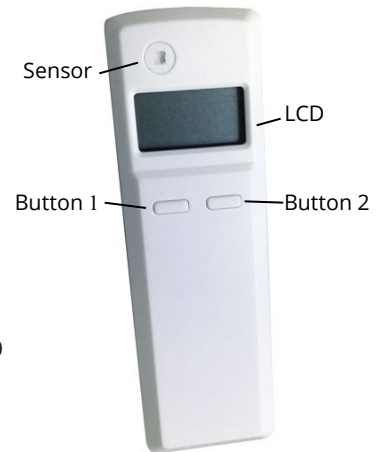
## ZBHT-2—Model #1015C

### Wireless Temperature and Humidity Sensor with LCD



The ZBHT-2 wirelessly communicates temperature and humidity readings using the ZigBee Pro protocol and the Home Automation (HA) profile.

When used in conjunction with the Harmony Gateway or Harmony Platinum, the ZBHT-2 will display readings for temperature and humidity on a mobile device or desktop computer. When a router device or the coordinator is open for joining, the ZBHT-2 easily joins the ZigBee mesh network upon installation of the batteries. It will then automatically send signals to the designated receiving device with continual updates or according to the configuration set by the user.



#### Benefits

- Remotely monitor the temperature and humidity in one location or in multiple locations by placing several ZBHT-2 devices anywhere measurement is desired.
- Locally view temperature, humidity and battery level by button press.
- Data is detected and automatically sent to the control center application.
- Small size and convenient connectivity means easy retrofit ability and virtually no installation cost.
- Place anywhere indoors or purchase specially designed outdoor mount which sheds dust and repels rain.
- Low power consumption means long battery life.
- Low battery alert is sent to the display.
- Sends messages via ZigBee, a wireless RF protocol that is rapidly becoming the standard for energy management. Enables appliances to become part of the smart ecosystems of tomorrow.

#### SPECIFICATIONS:

##### Technical

Power Supply:	2 AA Batteries
Communication Range:	50 meters 30 meters in outdoor housing
Operating Ambient:	Temperature: -10~50°C Humidity max. 10~90%
Accuracy:	Temperature: +/- 0.5°C Humidity: +/- 4.5%

##### Mechanical

Size:	4.25" L X 1.35" W X .75" H
Weight:	1.1 Oz.
Mounting:	Indoor - place anywhere within temperature limits. Outdoor - mount to wall or pole using specially designed housing.

##### Operation

Local Control:	Yes, and automatic
ZigBee® function:	ZigBee Pro End device

### OTHER SPECIFICATIONS:

Indicators:	LCD flashes and displays words and icons to indicate network status, binding mode and fault conditions. LCD does not remain lit; it stays off to conserve battery life.
Program Buttons:	Button 1 — toggles display to show temperature, humidity, and battery power level Button 2 — used for joining network, permit joining, binding, and device announce.
ZigBee function:	Manufacturer ID: 0x1075; ZigBee Pro End device

HA Profile: (0x0104)		Device ID: 0x0302		<b>HVAC Temperature Sensor</b>	
End Point: 0x0A					
Cluster ID	Cluster Name	Client/Server	Cluster Description		
0x0000	Basic	Server	Attributes for determining basic information and setting and enabling device		
0x0001	Power Configuration	Server	Attributes and commands for configuring power		
0x0003	Identify	Server	Attributes and commands for putting a device into Identification mode		
0x0009	Alarm	Server	Attributes and commands for sending notifications and configuring alarm functionality		
0x0402	Temperature Measurement	Server	Attributes and commands for temperature measurement		
0x0405	Humidity Measurement	Server	Attributes and commands for humidity measurement		