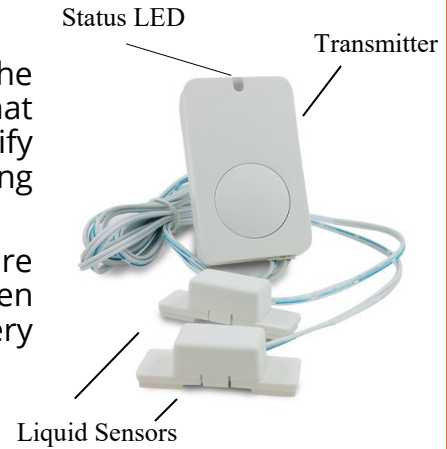# Product Brief - ZBLIQS - Model #2030A
Wireless Liquid Detection Sensor

The ZBLIQS consists of two sensors that detect the presence of a liquid and a wireless transmitter that sends the sensor signal to an enrolled device, to notify the user. It reports to a ZigBee Control and Indicating Equipment (CIE) device.

The device communicates to ZigBee routers anywhere within range of the home automation network. When not in use, the device goes to sleep to conserve battery life.

Status LED

Transmitter

Liquid Sensors

Benefits

- Reports to a CIE device like a siren, chime, or network coordinator
- Uses ZigBee® Pro, a wireless RF protocol that is rapidly becoming the standard for automation and energy management. Enables appliances to become part of the smart ecosystems of tomorrow
- Small size and wireless operation means easy retrofit ability and low installation cost
- Battery lasts about 1000 days
- Tested to FCC standards

SPECIFICATIONS:

Electrical & Environmental	
Operating Voltage:	Two CR2450 3V button cell batteries
Communication Range:	Up to 220 m indoors
Consumption:	@receiving mode : 28 mA @transmitting mode: 43 mA @standby mode: 1 uA
Temperature:	-10~50° degrees Centigrade
Humidity:	95% RH
Mechanical	
Size:	57 mm X 35 mm X 15 mm
Weight:	1.2Oz.
Operation	
ZigBee function:	ZigBee Pro End device
ZigBee Type:	IAS Zone

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ZigBee Profile:

ZBLIQS uses the Home Automation profile, enabling inter-operability with HA certified devices from other manufacturers.

Details for the HA clusters implemented can be found below:

Commands to these clusters follow the specifications of the ZCL document.

HA Profile (0x0104)
ZigBee Device ID: EP 1 - IAS Zone (0x0402)

Cluster ID:	End Point	Cluster	Client/ Server	Description
0x0000	1	Basic	Server	Attributes for determining basic information and setting and enabling device
0x0001	1	Power Configuration	Server	Attributes for determining more detailed information about a device's power source(s), and for configuring under/over voltage alarms
0x0003	1	Identify	Server	Attributes and commands for putting a device into Identification mode (e.g. flashing a light)
0x0015	1	Commissioning	Server	Attributes and commands pertaining to the commissioning and management of ZigBee devices operating in a network.
0x0020	1	Poll Control	Server	Provides an interface for remotely controlling the rate at which a ZigBee End Device polls its parent for data.
0x0500	1	IAS Zone	Server	Attributes to interface to the functionality of an IAS security zone device.
0x0B05	1	Diagnostics	Server	Allows the operation of the ZigBee PRO stack to be followed over time. It provides a tool for monitoring the performance of individual network nodes, including the routing of packets through these nodes.

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