Product Brief ZBVC-1—Model #1023A
Wireless Valve On/Off Controller

The ZBVC-1 wirelessly responds to commands to open or close ball-actuator valves such as those used on gas and water pipes, and to communicate valve status using the ZigBee Pro protocol and the Home Automation (HA) profile.

When used in conjunction with the Harmony Gateway or Harmony Platinum Gateway, the ZBVC-1 will display status and allow for remote control from a mobile device or desktop computer.

The ZBVC-1 is easy to set up and readily can be added to a ZigBee Pro mesh network. In addition to manual control from any of our gateways, the device can be paired with a ZigBee OnOff or CIE sensor device to automatically close or open when the sensor changes state.
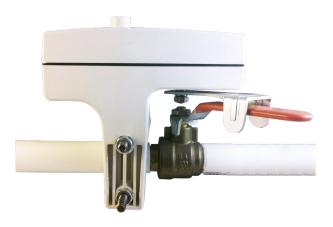
Benefits

- Prevent damage and remotely monitor and control gas or water valves.
- View the open/close status of the valve from a mobile device or PC.
- High torque actuator and adjustable mounting allow for installation on pipes up to 3/4".
- Operates from included low power, high efficiency DC supply.
- Small size and convenient connectivity means easy retrofit ability and virtually no installation cost.
- Waterproof for outdoor use.
- Integral mounting bracket conveniently attaches to the controlled pipe.
- 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:	12VDC, 1.0AMP power supply 2-prong, 5' cord
Communication Range:	Up to 160'
Operating Ambient:	Temperature: -10~50°C Humidity max. 95%
Consumption:	
Mechanical	
Size:	6.1" L X 2.6" W X 5.1" H
Weight:	12.9 Oz.
Mounting:	Built-in mount fits onto 3/4" to 1" pipe.
Operation	
Local Control:	Yes, and automatic
ZigBee® function:	ZigBee Pro Router device

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OTHER SPECIFICATIONS:

Indicators:	LED: Multi-function to indicate network status, binding mode, permit join mode, and fault conditions
Program Buttons:	Multifunction pushbutton. Local load control. Used for joining network, permit joining, and binding.
ZigBee function:	Manufacturer ID: 0x1075; ZigBee Pro Router device

HA Profile: (0x0104)				Device ID: (0x0002) **On/Off Output**
End Point	**Cluster ID**	**Cluster Name**	**Client/ Server**	**Cluster Description**
1	0x0000	Basic	Server	Attributes for determining basic information and setting and enabling device
1	0x0003	Identify	Server	Attributes and commands for putting a device into Identification mode
1	0x0004	Groups	Server	Attributes and commands for group configuration and manipulation
1	0x0005	Scenes	Server	Attributes and commands for scene configuration and manipulation
1	0x0006	On/Off	Server	Attributes and commands for switching device.
1	0x0015	Commissioning	Server	Attributes and commands pertaining to the commissioning and management of ZigBee devices operating in a network

Example of mounted ZBVC-1

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