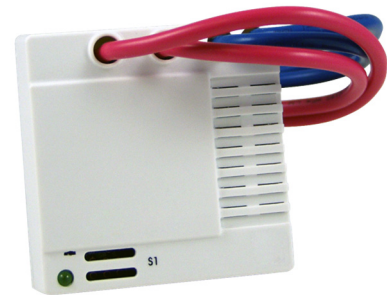# Product Brief ZBMLC15—Model #4034A

Single Relay Metering On/Off Load Controller

This versatile on/off controller provides a single relay with metering capability. Its compact size allows it to be placed inside a standard outlet or any junction box, thus providing intelligent control to a regular AC outlet, fan, lighting fixture, etc…

The relay can be controlled from any ZigBee Home Automation (HA) network controller using the ZigBee Pro protocol. This device is also a ZigBee Pro router which means it acts as a range extender in the ZigBee Pro network. The use of the ZigBee Pro protocol and the certification to the HA Profile ensures compatibility with the emerging standards for smart homes being deployed across the world.

Benefits

- Remotely controls light or medium loads from appliances such as refrigerators, heaters, small pumps, etc.
- Turns any standard outlet into a smart outlet, capable of remote control and load metering.
- Controlled 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.
- Small size and convenient connectivity means easy retrofitability and low installation cost.
- Independent relay control affords maximum flexibility, including control of dual-speed, medium horsepower pumps.
- Universal voltage input provides ability to operate anywhere in the world (95-250VAC, 47/63Hz)
- Safety tested to UL and CSA standards

SPECIFICATIONS:

Electrical	
Operating Voltage:	95—250 VAC
Max. Load Current:	10 Amps @ 240VAC
Connections:	Loose 14 g. wires
Switch Contactor:	Single NO relay

Mechanical	
Size:	2" L X 2" W X 5/8" H
Weight:	4 Oz.
Mounting:	None provided.

Operation	
Local Load Control:	No
ZigBee™ function:	ZigBee Pro Router device

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OTHER SPECIFICATIONS:

Indicators:	One green LED to indicate network status, binding mode, fault conditions.
Local Control:	Multifunction pushbutton. Used for joining network, permit joining and binding.
ZigBee function:	Manufacturer ID: 0x1075; ZigBee Pro Router device

HA Profile: (0x0104)   Device ID: 0x0009   **Mains Power Outlet**

End Point	Cluster ID	Cluster Name	Client/ Server	Cluster Description
10	0x0000	Basic	Server	Attributes for determining basic information and setting and enabling device
10	0x0003	Identify	Client/ Server	Attributes and commands for putting a device into Identification mode
10	0x0004	Groups	Server	Attributes and commands for group configuration and manipulation
10	0x0005	Scenes	Server	Attributes and commands for scene configuration and manipulation
10	0x0006	On/Off	Server	Attributes and commands for switching device.
10	0x0702	Metering	Server	Provides mechanism to retrieve electric power usage

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