

# Product Brief ZBMSKT1 Model #4035A



## Home Automation

## Wireless Metering Outlet

This on/off receptacle enables remote control and monitoring of lamps and appliances, making them part of a home automation network. The device responds to On/Off cluster commands sent by ZigBee® Home Automation (HA) controllers in the network. The controlled outlet also measures the power delivered enabling the intelligent management of lighting and other appliances to maximize energy conservation while taking advantage of the lowest rates offered by electric utilities. Use of the ZigBee HA Profile ensures compatibility with the emerging standards for smart homes/buildings being deployed around the world.



### Benefits

- Remotely controls and monitors lighting and other appliances such as TVs, audio-visual equipment, lamps, etc.
- Measures the energy consumed by the appliance, allowing total energy management by the consumer.
- Controlled via ZigBee, a wireless RF protocol that is rapidly becoming the standard for energy management. Enables appliances to become part of the emerging smart ecosystems.
- Comes equipped with face plate for easy installation in a single gang junction box
- Safety tested to UL and CSA standards.

### SPECIFICATIONS:

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<b>Electrical</b>	
Operating Voltage:	85 - 250 V AC
Operating Frequency:	50 - 60 Hz.
Max. Load Current:	15 Amps @ 250VAC 1 HP @ 250V AC; 1/2 HP @ 125VAC
Output power reading range:	125mA to 15A with 1% accuracy
ZigBee RF Range	50 meters (line of sight)
ZigBee RF freq.	2.4Ghz ISM band, 16 channels
<b>Mechanical</b>	
Size:	4.5" L X 2.75" W X 1.625" H
Weight:	4.7 Oz.
Mounting:	Single gang box
Local Load Control:	Yes, Top outlet- Always on. Bottom through push button
<b>Environmental</b>	
Operating Temp:	-10 - 50 °C (-14—122 °F)
Humidity	95% Max.

### OTHER SPECIFICATIONS:

Indicators:	Status LED for network status, binding mode, fault conditions. Load LED to indicate state of load.
Local Control:	Multifunction pushbutton. Local load control. Used for joining network, permit joining, and binding.
ZigBee function:	Manufacturer ID: 0x1075; ZigBee Router

HA Profile: (0x0104)		Device ID: 0x0009 <b>Mains Power Outlet</b>		
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	Commission	Server	Attributes and commands pertaining to the commissioning and management of ZigBee devices operating in a network
1	0x0702	Simple Metering	Server	Provides mechanism to retrieve electric power usage
1	0x0B04	Electrical Measurement	Server	Provides a mechanism for querying data about the electrical properties as measured by the device.
1	0x0B05	Diagnostic	Server	Provides access to information regarding the operation of the ZigBee stack over time.