Product Brief ZOE-MP1. Model 5010P

Smart Energy Wireless Metering Smart Plug

This on/off plug adapter enables remote control and monitoring of lamps and appliances, making them part of a Home Area Network (HAN.) The device responds to Load Control and Price events sent by an electric utility and to On/Off commands from an Energy Service Portal (ESP) or other controllers in the The adapter also measures the power network. 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[®] Smart Energy (SEP 1.1) 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 or an electric utility.
- 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.
- Small size and convenient connectivity means easy retrofitability and low installation cost.
- Safety tested to UL and CSA standards.
- ZigBee Smart Energy certified.

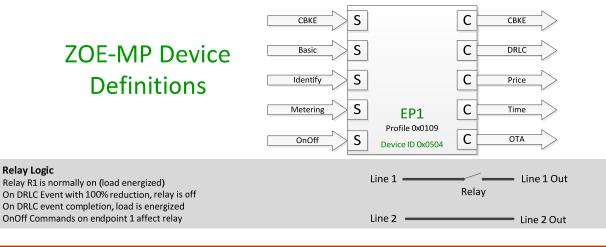
SPECIFICATIONS: Electrical 95 - 240V AC Operating Voltage: Operating 47-63 Hz. Frequency: Max. Load Current: 15 Amps @ 120V AC (10 Amps @ 240V AC) Load energized: < 0.65 Watts. Operating power: Standby: < 0.2 Watts. Surge protection: MOV rated for 300V Mechanical Size: 4.0" L X 2.5" W X 1.5" H Weight: 4.1 Oz. Mounting: Through 3-prong plug Local Load Yes, through pushbutton Control. Environmental -25—50 °C (-13—122 °F) Temperature: 5—90 %RH (non-condensing) Humidity:



949-429-3303 <u>Smartenit.com</u> © 2013 Compacta International, Ltd.—Information herein is preliminary and subject to change



			OTHE	R SPECIFICATIONS:
		Dual-color LED: Multi-function to indicate network status, binding mode, fault condi- tions, opt-in, opt-out, and load energized.		
		Multifunction pushbutton. Local load control. Used for joining network, permit join- ing, opt-in, opt-out, price update and binding.		
ZigBee function:		Manufacturer ID: 0x1075; ZigBee Router		
		As normally supplied accuracy is 1-3%. Calibratable to better than 0.5% 2W-1500W on special order. Supports IEC61036/60687, and IEC62053-22/-23.		
SE Profile:	(0x0109)			Device ID: 0x0504 Load Control
Cluster ID	Cluster N	lame	Client/Server	Cluster Description
0x0000	Basic		Server	Attributes for determining basic information and setting and enabling device
0x0003	Identify		Server	Attributes and commands for putting a device into Identificatio mode
0x0006	On/Off		Server	Attributes and commands to turn relay ON and OFF
0x000A	Time		Client	Attributes and commands to interface to a real-time clock
0x0019	ΟΤΑ		Client	Attributes and commands to enable over-the-air firmware upgrades
0x0700	Price		Client	Provides mechanism for communicating electricity pricing information within the premise
0x0701	Demand Response and Load Control		Client	Interface to the functionality of Smart Energy Demand Respon and Load Control
0x0702	Simple Metering		Server	Provides mechanism to retrieve electric power usage
0x0800	Key Establishment		Client/Server	Attributes and commands necessary for managing secure communication between ZigBee devices



949-429-3303 <u>Smartenit.com</u> © 2013 Compacta International, Ltd.—Information herein is preliminary and subject to change ZOE and Smattenit are registered trademarks of Compacta International, Ltd.

