

# PAN11-1/-2/-3 Smart Energy Plug-in Switch Z-Wave Series



## Features

- Adopt Z-Wave protocol to secure the success of wireless two way communication
- Higher RF output power (+2.5dBm output power as compared to -2.5dBm 300 series Z-wave module) to enhance the communication range
- With zero crossing technology to extend the number of switching
- Easy install
- Very low Electricity consumption ,
- Resistive load 3000W, 1500W for incandescent load or 320W for fluorescent load
- Overload protection
- Auto report the state when manually push the ON/OFF button
- Auto report the wattage when variation over 5%
- Voltage, Current, Power factor, Instant power Wattage and Accumulated power consumption KWh report
- Z-Wave V6.02
- Z-Wave Certificated  
PAN11-1 ZC08-13020005  
PAN11-2 ZC08-13020006  
PAN11-3 ZC08-13020007
- **LVD**:EN 61058  
**R&TTE** : EN 301489, EN 300200,

## Introduction

This smart energy plug-in switch is a transceiver which is a Z-Wave™ enabled device and is fully compatible with any Z-Wave™ enabled network. Z-Wave™ enabled devices displaying the Z-Wave™ logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave™ enabled networks. Remote On/Off control of the connected load is possible with other manufacturer's Wireless Controller. Each switch is designed to act as a repeater. Repeaters will re-transmit the RF signal to ensure that the signal is received by its intended destination by routing the signal around obstacles and radio dead spots.

This smart energy plug-in switch is able to detect voltage, current, power factor, Instant power wattage (5~3150W) and overload wattage (3010~3300W) of connected light or appliances. When detecting overload state, the Module will be disabled and its On/Off button will be lockout of which LED will flash quickly for 30 seconds. However, unplug and re-connect the Module will reset its overload condition to normal status.

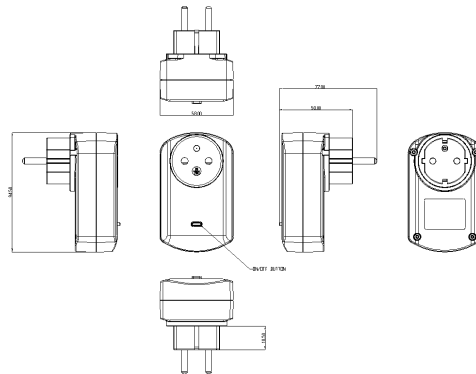
This plug-in switch can active sent out instant power wattage when variation over 5% or active sent out state change when manually push the ON/OFF button , this allows the controller to avoid polling the reading wattage value and state of the switch and can increase the efficiency of controller.

## Specification

|             |  |   |
|-------------|--|---|
| Power       | No load standby power<br>Input voltage   | 0.48W (230V)<br>90 ~240VAC  |
| RF          | Frequency<br>Regulation<br>Distance  | 868.42 (EU) MHz<br>FCC part15.249 / EN300 220-1/<br>min. 30m indoor min. 100m outdoor |
| Mechanical  | weight<br>Dimension (W x H x D)  | 118 g<br>57.7x94.5x76.6 mm (Germany type PAN11-1)                                     |
| Environment | Operation Temperature<br>Humidity  | 0 ~ 40° C<br>85%RH max  |
| Load        | Resistive load<br>incandescent load<br>fluorescent load<br>load return error rate 5W~40W<br>load return error rate 40W~3150W<br>overload | 3000W<br>1500W<br>320W<br>±3W<br>±5%<br>3300W   |



Dimension and Placement (unit:mm)



**Germany type PAN11-1**  
**57.7x94.5x76.6 mm**



**France type PAN11-2**  
**57.7x94.5x76.6 mm**



**UK type PAN11-3**  
**57.7x94.5x61 mm**



**Application:**  
Home Automation  
Energy Saving

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