

Datasheet

Version 0.1

NETVOX TECHNOLOGY CO., LTD.

Add: No. 21-1 Sec. 1 Chung Hua West Road, Tainan, Taiwan

Tel: +886-6-2617641, 2654878

Fax: +886-6-2656120

<http://www.netvox.com.tw>

History

Version	Date	Note
0.1	2012-08-07	Create

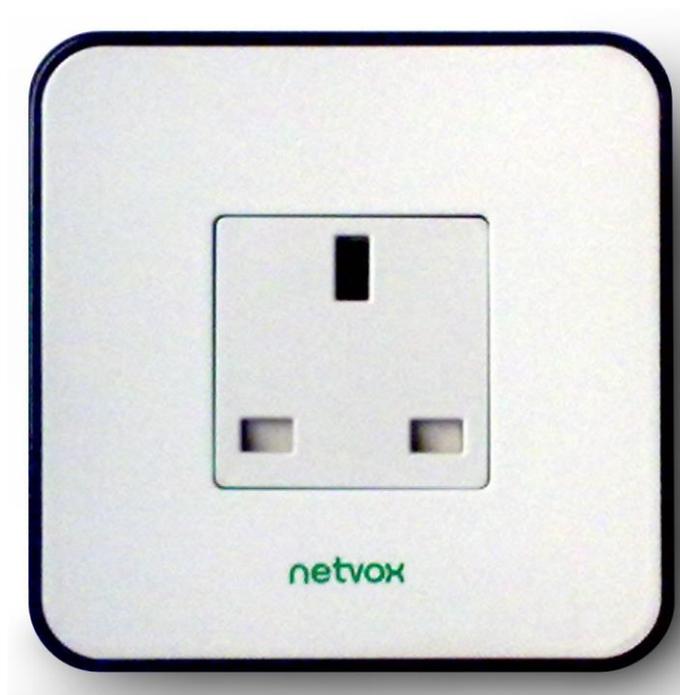
Notes:

Hardware version V1.2

Copyright©Netvox Technology Co., Ltd.

This document contains proprietary technical information which is the property of NETVOX Technology and is issued in strict confidential and shall not be disclosed to others parties in whole or in parts without written permission of NETVOX Technology.

The specifications are subjected to change without prior notice.



Z816G Appearance

Introduce

Z816G is a power consumption monitoring wall socket which is available. Based on ZigBee Pro™ and can communicate with router and coordinator in ZigBee network.

Z816G can be tied to a terminal device with switch control function. It is mainly used to measure the power consumption and wireless control switch of the output power equipment.

Main property

- Meet ZigBee Pro™, suits ZigBee network
- Utilizes 2.4GHz ISM band; up to 16 channels
- Up to 150 meters wireless transmission range in non-obstacle space

Technical Parameters

Electric

Input power	100~240VAC, 50/60Hz
Typical consumption	15mA/220VAC
Loading property	Resistive Load: 16A/250VAC; P:4000VA Inductive Load: 8A/220VAC; P:1760VA (COS ϕ =0.4) Motor load: 1.5HP/240VAC Incandescent, fluorescent, halogen lamp: 3000W/220VAC
Relay on / off life time	100,000 times
Metering range	125mA~16A
Power meter deviation	<+/-1%

Frequency

Frequency	2.4~2.4835 GHz
Channel	16 channels (ISM 11~26 channels)
TX power	7dBm (Max.)
Rx sensitivity	-101dBm
Antenna type	Build-in antenna
Communication rang	150m (line-of-sight)
Data transfer rate	250Kbps
Spread technique	DSSS (O-QPSK)

Physical

Diameter	95mm*56.2mm*34mm
Humidity	5~85%RH (RH)
Working Temp.	-10°C ~ +50°C
Storage Temp.	-40°C ~ +85°C