

Datasheet

Version 1.1

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History

Notes:

Hardware Version
61Z805A6801 V1.0
61Z805A6802 V0.1

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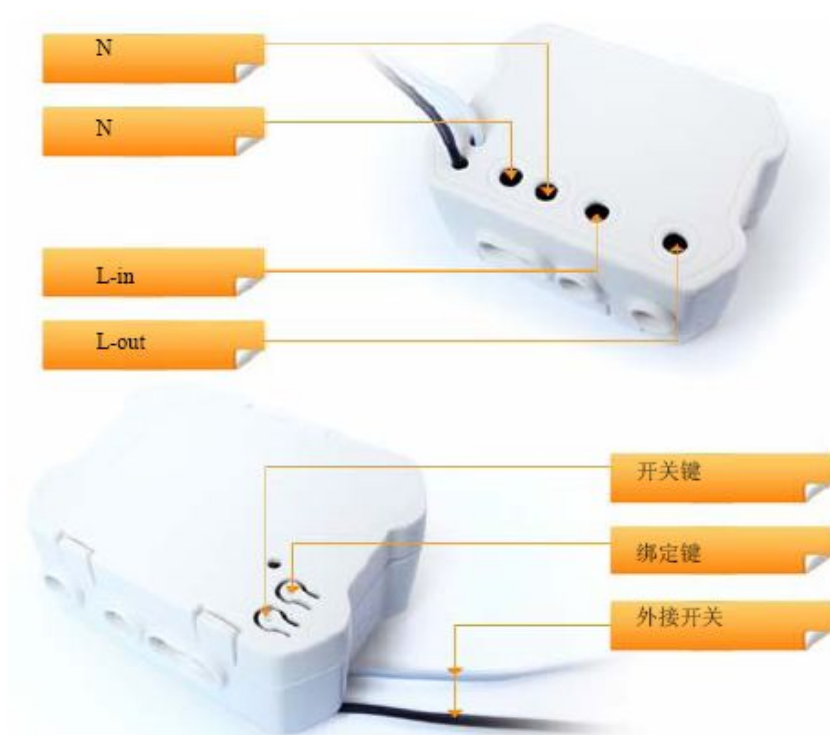


Fig.1 Z805A appearance

Introduction

Z805A is a wireless AC power switch device with power/energy/current/voltage consumption monitoring feature. In the network, Z805A functions as a router device in the network which permit join other devices to the network. The device can be paired with a ZigBee enabled on/off remote device to control. Netvox has its proprietary energy management system such as ZiG-BUTLER software to view power or current consumption.

Application Field

- Home automation or commercial indoor smart switch

Technical Parameter

Electric

Input voltage	100~240VAC
Input current	16A
Power Frequency	50~60Hz
Energy report duration	10 seconds
Load property	16A/250VAC/4000W (Resistance load)

	1.5HP/240VAC (Motor load)
	8A/220VAC/1760VA (Inductive Load COSΦ=0.4)
Standby mode	0.85W (13mA@230V/50Hz)
Energy measurement accuracy	<±1%
Energy measurement range	100mA~16A, 85~264VAC,
Relay type	Magnetic Relay
Relay life time	100,000 times (Resistance load)
Terminal connection Spec.	14~18AWG

Frequency

Frequency	2.4~2.4835 GHz
Channel	16 channels (ISM 11th~26th channel)
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

Dimension	54mm×42mm×23mm
Weight	55g
Working Humidity.	5%~85%RH
Working Temp.	-10°C~50°C
Storage Temp.	-40°C~85°C