

# **Z810B**

# **Datasheet**

Rev. 1.1

**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.

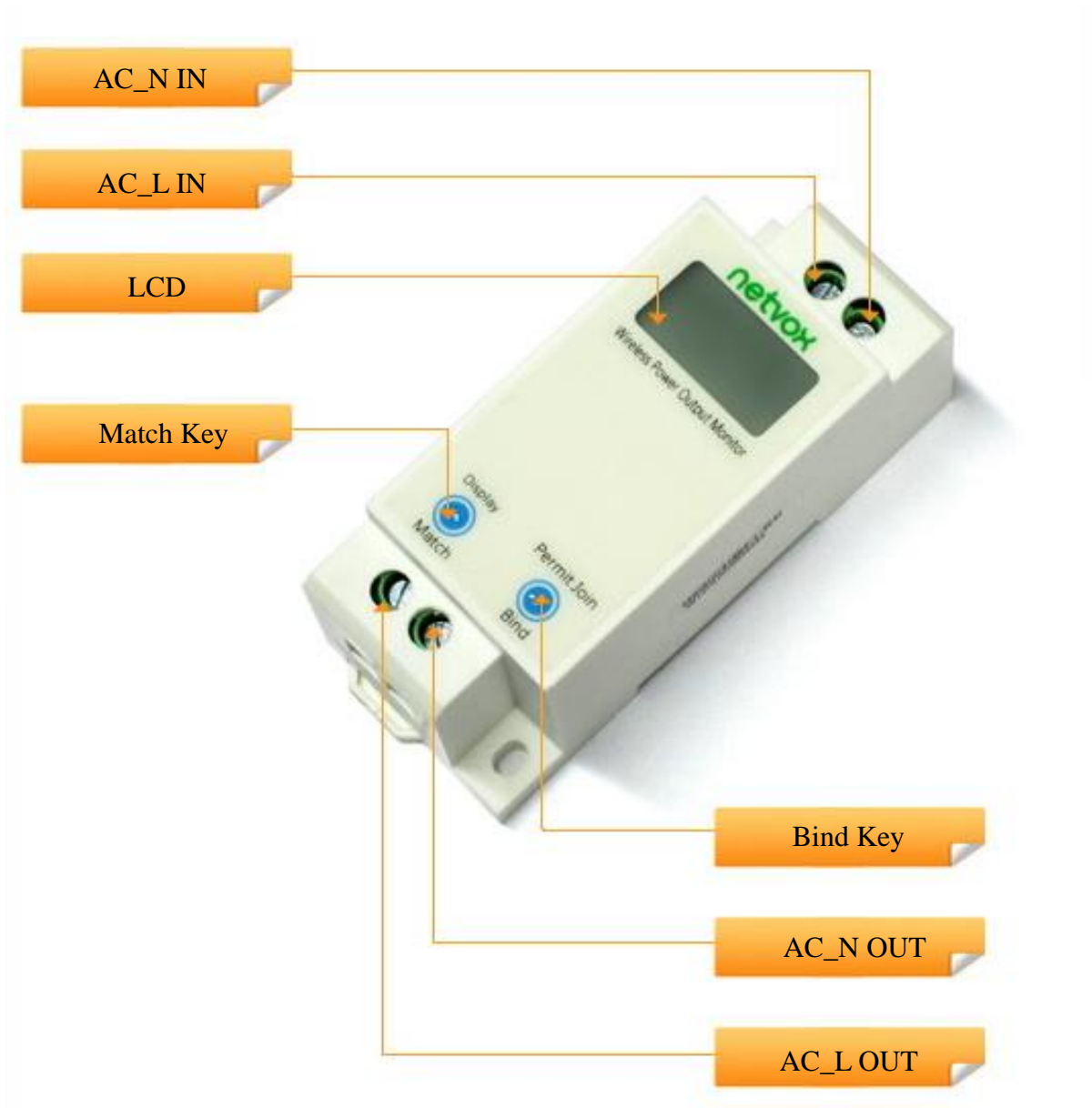
## Wireless Load Control 2T with power/energy/current/voltage meter and LCD

### Introduction

The Z810B is an indoor energy detection controller that integrates a chip module that conforms to the ZigBee Pro™ wireless protocol. It can communicate with the router and coordinator of the ZigBee network. It can control the switching of the output of a single power supply through internal relays. And can detect the total current, voltage, power, electrical energy and other parameters of the device connected to its output.

It can be controlled manually by buttons on the panel or by wireless remote control to control the power output on and off.

### Appearance



**Wireless Load Control 2T with power/energy/current/voltage meter and LCD****Main Properties**

- Compliant with ZigBee Pro™ protocol
- Detecting the output of current, voltage, power, electrical energy and other electrical energy parameters
- Power output can be controlled via the network.
- Power output can be controlled manually.
- Single maximum 20A/250VAC power output

**Electric Parameters**

Input Power	100 to 240VAC (50/60Hz)
Output Load (MAX)	I:20A P:5000W (Resistive Load)
Working Power Property	17mA / 230VAC / 1W (Relay cut off) 30mA / 230VAC / 2.2W (Relay on)
Accuracy	< ±1%
Measurement Range	100mA to 20A
Load Property	Resistive Load
Relay Lifetime	100,000 times

**Frequency Parameters**

Frequency Range	2.4 ~ 2.4835 GHz
Channel	16 channels (ISM 11 <sup>th</sup> ~ 26 <sup>th</sup> channel)
Power Output	7dBm (Max.)
Receiving Sensitivity	-101dBm
Antenna Type	Build-in antenna
Communication Range	150 meters (barrier-free)
Data Transfer Rate	250Kbps
Spread technique	DSSS (O-QPSK)

**Wireless Load Control 2T with power/energy/current/voltage meter and LCD****Physical Parameters**

Dimension	94.0mm * 36.0mm * 41.0mm
Humidity	5% to 85%RH
Working Temp.	-10°C to 50°C
Storage Temp.	-40°C to 85°C