

Convenient Opening and Closing of Home Facilities



The PRL-3ZBS is a ZigBee relay controller designed to automatically open and close pool covers, gas valve, water valve or sprinkler system, etc. With its service the user can remotely manage facilities inside and outside the home using remote controls, keypads, or control hubs. The PRL-3ZBS also allows relay activation events to be integrated into other home automation activities, enhancing the convenience and capabilities of an automated home.

Providing one relay contact with normally open (NO), normally closed (NC), and common pins, the PRL-3ZBS enables wireless operation of any device controllable by a single-pole, double-throw (SPDT) relay. The PRL-3ZBS has one dry contact and operates on a low-voltage DC power source. The power inputs of its three models, the PRL-3ZBS-5V and PRL-3ZBS-12/24V, and PRL-3ZBS-AC, are 5V DC, 2~24V DC, and 110~230V AC respectively.

The PRL-3ZBS is interoperable with any ZigBee devices adopting the ZigBee Pro HA 1.2 standard. With an embedded antenna to boost its wireless performance, the relay controller also includes an LED to confirm proper ZigBee network operation and connectivity. The PRL-3ZBS simplifies wiring efforts and is ideal for the expansion of automation options in new or retrofit homes where cabling solutions are limited.



The PRL-3ZBS is used to automatically open and close pool covers, gas valve, water valve, or sprinkler system, etc.

Features

- Automates home pool covers, gas valve, water valve, or sprinkler system, etc.
- Provides wireless operation of any device controllable by an SPDT relay
- Allows relay activation events to be integrated into other home automation activities
- One relay contact and One dry contact
- Screw Terminals for easy and safe installation
- Operates on a low-voltage DC power source (5 or 12~24 volts) or AC power source (110~230 volts)
- LED confirms proper Z-Wave network operation and connectivity
- Antenna design for optimal wireless performance
- Compatible with other manufacturers' ZigBee products
- CE compliance

Specifications

Networks supported	ZigBee Pro Home Automation 1.2
Data rate	250kbps
Frequency	2.4 GHz
Power source (external power)	5V DC (PRL-1ZBS-5V) 12~24V DC (PRL-1ZBS-12V/24V) 110~230V AC (PRL-1ZBS-AC)
Power usage	~300mA fully active
Relay output	One SPDT relay
Operating temperature	-10°C to +45°C
Operating humidity	Up to 85% non-condensing
Dimensions	71.1mm x 49mm x 26mm

Pin Definitions

Pin	PRL-3ZBS-5V / PRL-3ZBS-12/24V	PRL-3ZBS-AC
1	Ground (-)	Line (AC input)
2	5V/12V/24V DC Input (+)	Neutral
3	NO (Normal Open)	NO (Normal Open)
4	Common	Common

Ordering Information

PRL-3ZBS-5V	Uses a 5V DC power source
PRL-3ZBS-12/24V	Uses a 12~24V DC power source
PRL-3ZBS-AC	Uses a 110~230V AC power source



Side View