

Convenient Opening and Closing of Home Facilities



The PRL-3ZBS is a ZigBee relay controller designed to remotely 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 normal open (NO), normal 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, 12-24V 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 valves, water valves, or sprinkler systems, etc.
- Remote 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 (5V or 12-24V) or AC power source (110-230V)
- LED status indicator
- Antenna design for optimal wireless performance
- Compatible with other manufacturers' ZigBee system
- CE compliance

Specifications

Networks supported	ZigBee Pro Home Automation 1.2
Frequency	2.4 GHz
Power source (external power)	5V DC (PRL-3ZBS-5V) 12-24V DC (PRL-3ZBS-12/24V) 110-230V AC (PRL-3ZBS-AC)
Rated load current	5A
Relay output	One SPDT relay
Operating temperature	-10°C to 45°C (14°F to 113°F)
Operating humidity	Up to 85% non-condensing
Dimensions	71.1 mm x 49 mm x 26 mm

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



Side View

Ordering Information

PRL-3ZBS-5V	ZigBee Relay Controller, using a 5V DC power source
PRL-3ZBSR-5V	ZigBee Relay Controller with repeater capabilities, using a 5V DC power source
PRL-3ZBS-12/24V	ZigBee Relay Controller, using a 12-24V DC power source
PRL-3ZBSR-12/24V	ZigBee Relay Controller with repeater capabilities, using a 12-24V DC power source
PRL-3ZBS-AC	ZigBee Relay Controller, using a 110-230V AC power source
PRL-3ZBSR-AC	ZigBee Relay Controller with repeater capabilities, using a 110-230V AC power source