

Convenient Opening and Closing of Home Facilities



The PRL-3ZW is a Z-Wave relay controller designed to automatically open and close pool covers, generators, 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-3ZW also allows relay activation events to be integrated into other home automation activities, enhancing the convenience and capabilities of an automated home.

The relay controller enables wireless operation of any device controllable by a single-pole, double-throw (SPDT) relay. The PRL-3ZW has one dry contact and operates on a low-voltage DC or AC power source. The power inputs of its three models, The PRL-3ZW has three models with different power inputs, 5V DC, 2~24V DC, and 110~230V AC respectively, to fit all usage environments.

With an embedded antenna to boost its wireless performance, the relay controller also includes an LED to confirm proper Z-Wave network operation and connectivity. The PRL-3ZW simplifies wiring efforts and is ideal for the expansion of automation options in new or retrofit homes where cabling solutions are limited.



The PRL-3ZW 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
- Doubles as a Z-Wave repeater
- CE compliance

Specifications

Communication Protocol	Z-Wave
Frequency	868.40MHz (EU) / 908.40MHz (US)
Data Rate	100kbps
Power Source (external power)	5V DC (PRL-3ZW-5V) 12~24V DC (PRL-3ZW-12/24V) 110~230V AC (PRL-3ZW-AC)
Power Usage	~300mA fully active
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	71mm x 49mm x 26mm

Pin Definitions

Pin	PRL-3ZW-5V / PRL-3ZW-12/24V	PRL-3ZW-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-3ZW-5V	Relay Controller Switch with screw terminals and 5V DC output
PRL-3ZW-12/24V	Relay Controller Switch with screw terminals and 12~24V DC output
PRL-3ZW-AC	Relay Controller Switch with screw terminals and AC output