

PRL-1ZW Z-Wave Relay Controller

Smart Anytime, Safe Anywhere



Convenient Opening and Closing of Home Facilities



- Automates any device controllable by an SPDT relay
- One relay contact and one dry contact
- Simplifies wiring efforts
- Doubles as a Z-Wave repeater

The PRL-1ZW 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-1ZW 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-1ZW enables wireless operation of any device controllable by a single-pole, double-throw (SPDT) relay. The PRL-1ZW has one dry contact and operates on a low-voltage DC or AC power source. The power inputs of its three models, the PRL-1ZW-5V and PRL-1ZW-12/24V, and PRL-1ZW-AC, are 5V DC, 2~24V DC, and 110~230V AC respectively.

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-1ZW simplifies wiring efforts and is ideal for the expansion of automation options in new or retrofit homes where cabling solutions are limited.



The PRL-1ZW is used to automatically open and close pool covers, gas valve, water valve or sprinkler system, etc.



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Pin Definitions



Side View

Pin	Definition	
1	Normally Closed (NC)	SPDT Relay Contact
2	Common	
3	Normally Open (NO)	
-	Ground	Dry Contact
+	12~24V DC Input	

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
- One dry contact
- 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
- Easy installation
- CE compliance

Specifications

Communication Protocol	Z-Wave Plus 500 series module
Data Rate	100kbps
Frequencies	868.40 MHz (EU) 908.40 MHz (US)
Power Source (external power)	5V DC (PRL-1ZW-5V) 12~24V DC (PRL-1ZW-12V/24V) 110~230V AC (PRL-1ZW-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	71.1mm x 49mm x 26mm

Ordering Information

PRL-1ZW-5V	Uses a 5V DC power source
PRL-1ZW-12/24V	Uses a 12~24V DC power source
PRL-1ZW-AC	Uses a 110~230V AC power source