

PRLM-CH3-ZBS ZigBee 3-Channel Relay Controller

Convenient Opening and Closing of Home Facilities



- ZigBee 3-Channel Relay Controller
- Remote operation of gas/water valves, pool covers, gates, or sprinkler systems...etc.
- Equipped with strain relief clamp
- Doubles as a ZigBee repeater (optional)

The PRLM-CH3-ZBS is a ZigBee 3-channel relay controller designed to automatically open and close generators, gas/water valves, pool covers or sprinkler systems, etc. The PRLM-CH3-ZBS enables wireless operation of three separate devices controllable by a single-pole, double-throw (SPDT) relay, allowing users to remotely manage facilities inside or outside their homes.

The PRLM-CH3-ZBS also allows relay activation events to be integrated into other home automation activities, enhancing the convenience and capabilities of an automated home. PRLM-CH3-ZBS is ideal for the expansion of automation options in new or retrofit homes where cabling solutions are limited. PRLM-CH3-ZBS is equipped with a strain relief connector clamp for electrical and mechanical integrity, overall performance, and safety.

With an embedded antenna to boost its wireless performance, the relay controller can also double as a ZigBee Repeater (optional), and OTA firmware update capability.

Features

- Automates gas/water valves, lights, pool covers, gates or sprinkler systems, etc.
- Remote operation of three separate devices controllable by an SPDT relay
- Allows relay activation events to be integrated into other home automation activities
- Operates on a low voltage AC or DC power source
- Over-the-Air (OTA) firmware update capability
- Strain relief clamp for electrical integrity and safety
- Antenna design for optimal wireless performance
- LED indicators
- Doubles as a ZigBee Repeater (optional)
- Compatible with other manufacturers' ZigBee system
- Regular supervision signals to check system integrity
- Ideal for retrofitting new or existing homes with limited cabling solutions

Specifications

Communication Protocol	ZigBee Pro Home Automation 1.2, 2.5GHz
Power Supply	AC 110-230V @ 0.15A; or DC 12-24V
Supported Load Current (for each relay channel)	5A@240VAC ; or 5A@30VDC
Stranded Wire	14-22 AWG
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	110mm x 91mm x 28mm

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Ordering Information

PRLM-CH3-AC-ZBS	ZigBee 3-Channel Relay Controller, using an AC power source
PRLM-CH3-AC-ZBSR	ZigBee 3-Channel Relay Controller with repeater capabilities, using an AC power source
PRLM-CH3-DC-ZBS	ZigBee 3-Channel Relay Controller, using an DC power source
PRLM-CH3-DC-ZBSR	ZigBee 3-Channel Relay Controller with repeater capabilities, using an DC power source