

DIO-50ZBS ZigBee DI/DO Module

Improves Process Efficiency



The DIO-50ZBS is a ZigBee DI/DO module that integrates wired devices into ZigBee wireless networks to create automated responses and enhances security and convenience. Providing a digital input (DI) and a digital output (DO) that connect to wired devices, the DIO-50ZBS serves as a bridge of reliable and fast communication between a control system and wired devices over ZigBee networks.

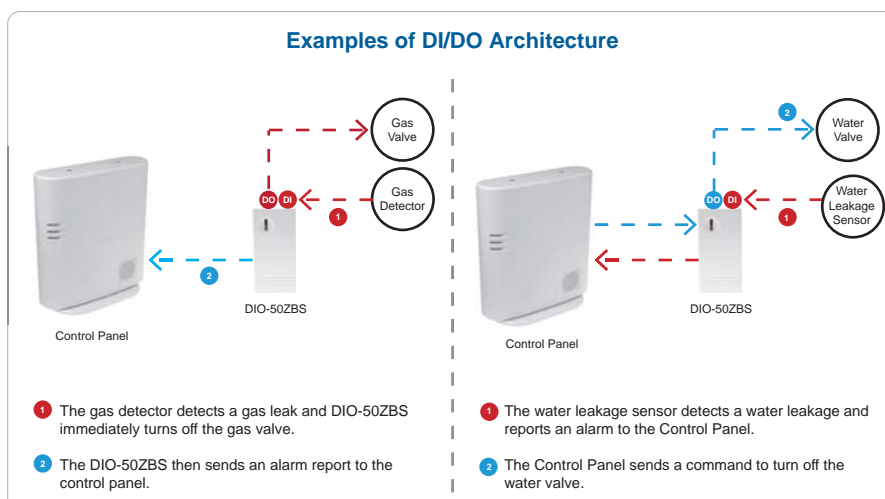
The DIO-50ZBS turns the device connected to its DI into the trigger of events, and the device connected to its DO into the responder of events. Open it, close it, turn it on, turn it off, wirelessly remotely activate or obtain data from devices that are hard to reach. Devices commonly connected are smoke detectors, PIR motion sensors, door/window contacts, garage doors, motorized shades, gates, or valves.

Interoperable with other manufacturer's ZigBee systems, the DIO-50ZBS can be flexibly incorporated into new or existing smart home security systems, to further improve process efficiency and safety for the entire home.

- One Digital Input (DI) and one Digital Output (DO)
- Integrates wired devices into ZigBee networks
- Compatible with other manufacturers' ZigBee systems

Features

- One Digital Input (DI) and one Digital Output (DO)
- Dry contact input forms Normal Open (NO) or Normal Close (NC) loop
- Turns the device connected to the DI into the trigger of events
- Turns the device connected to the DO into the responder of events.
- Manual jumper to select DI NC/NO and DO NC/NO
- Obtains data from and activates remote field devices that are wired or hard to reach
- Establishes reliable and fast communication between a control system and remote field devices over ZigBee network
- Compatible with other manufacturers' ZigBee systems
- LED status indicator
- CE compliance



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Specifications

Communication Protocol	ZigBee Pro Home Automation 1.2
Frequency	2.4GHz
Power Source	3V, CR2 Lithium battery x 1
Battery Life	1 year*
Optional Power Terminal	12V ~ 5V/1A DC-IN
Input Point (DI)	1 point (dry contact)
Output Point (DO)	1 point
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	78mm x 39mm x 26.5mm

* Note: Actual battery life may vary due to configuration, usage, and environment.