

# ZIF MODULE

## Interface for Automation Systems

Model ZIF5028



ZIF5028 is a 6 channel Z-Wave controlled DIN mountable module. The module is equipped with 6 relay switches and 6 digital inputs for mounting on a standard M36 DIN rail (EN50022).

The 6 independent relay switches can freely be controlled from the Z-Wave network and be used for many different purposes. Furthermore, the relay switches can be controlled directly by the 6 digital inputs.

The 6 digital inputs can be connected to dry contacts, e.g. limit switches, door/window contacts, push-buttons. Or they can be connected to open-collector outputs from discrete sensors, e.g. PIR sensors, etc.

ZIF5028 can be used for controlling AC and/or DC loads. Each relay switch is rated for loads of up to a maximum of 16A.

All 6 relay switches are galvanically isolated from each other.

The 6 inputs in ZIF5028 can function as a scene controller and activate predefined scenes in other Z-Wave devices or controllers (by transmitting Central Scene notifications).

ZIF5028 must be supplied from a 10-24V DC or 8-24V AC power supply.

Initiation of Z-Wave *add* and *remove* is fulfilled by activation a push-button through a little hole in the front of the module.

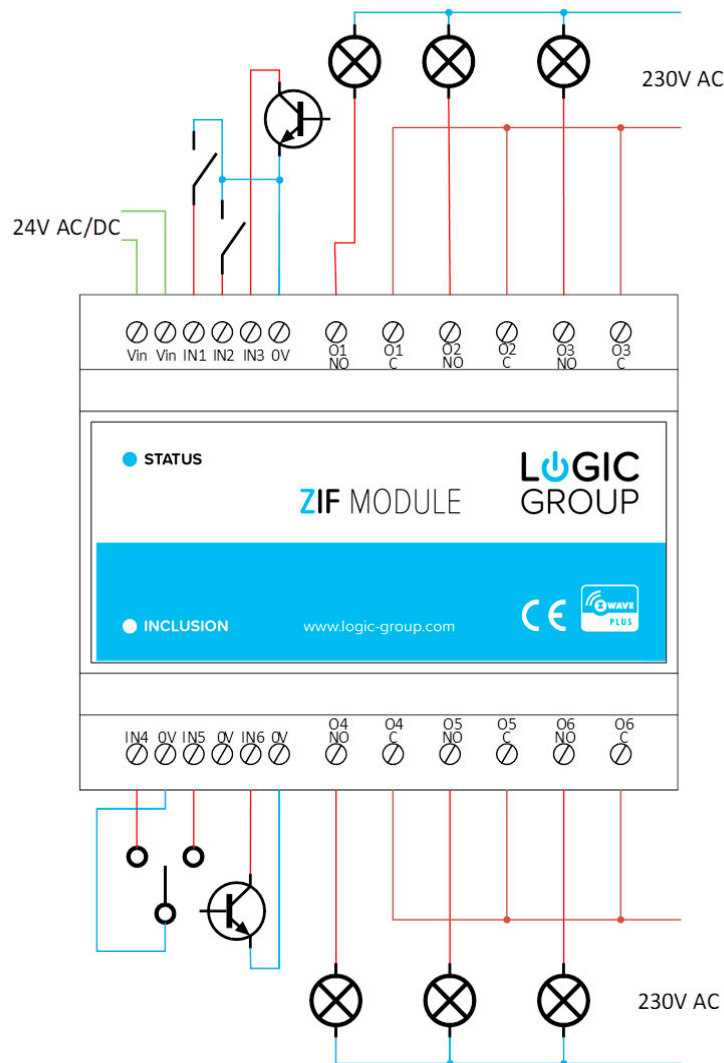
ZIF5028 is equipped with a LED in the front of the module for different kinds of status indications.

## Functions

- Can be used as a Z-Wave interface to other systems and thereby makes them able to be controlled from the Z-Wave network.
- Inputs can be individually configured to different trigger functions; leading-edge, trailing-edge or level triggered.
- Contains *Multi-Channel Command Class* for a better visualisation in the Z-Wave Controller, and for better control and reporting to other Z-Wave devices with endpoints.
- Can be used as a Scene Controller by sending different scene notifications when inputs are activated/passivated/held/double- and triple activated.
- Based on the Z-Wave Plus 500 series platforms (awaiting Z-Wave Plus certification).
- Possibility of firmware updates Over-The-Air (OTA) via the Z-Wave network.

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## Specifications

### Physical

H 85 mm x B 105 mm x D 60 mm  
M36 6-module

### Connections

Power supply: 10 - 24Vdc.  
Screw terminals: 0,2 – 2,5 mm<sup>2</sup>  
Outputs: 6 x 2 terminals (10mm clearance).  
Inputs: 4 terminals on top, 6 terminals on bottom.

### Power Consumption

0.6W (idle) + 0.5W pr. active relay (max. 3.5 W).

### Radio Protocol

Z-Wave®: EU 868.4MHz – 500 Series.

### Network Range

40 m indoor / 80 m outdoor.

### Relay Switches

AC1: 16A 250V AC  
AC3: 750W (engine)  
AC15: 360VA  
Max. inrush current: 80A/20ms

### Inputs

For use with dry contacts or open-collector outputs. Input impedance: 22 kΩ

### Protection Class

IP20

*Right to changes without notice reserved.*