

Z-Wave DIN Rail module

6x16A universal switch module, 6 inputs

Model LHC5028



LHC5028 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 are able to be directly controlled 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.

LHC5028 can be used for controlling AC and/or DC loads. Each relay switch are rated for loads of up to a maximum of 16A.

All 6 relay switches are galvanically isolated from each other.

The 6 inputs in LHC5028 is able to function as a scene controller and activate predefined scenes in other Z-Wave devices or controllers (by transmitting Central Scene notifications).

LHC5028 must be supplied from a 10 – 24Vdc power supply.

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

LHC5028 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 are able to 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.



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 mm²
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. 4W).

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: 22kOhm.

Protection class

IP20

Approvals

CE
EN 50491-3: 2009
EN 60669-2: 2004
Z-Wave Plus

Ordering

LHC5028: DIN rail universal module, 6x16A switches, 6 digital inputs.

Logic Home Control reserves the right to changes without notice.

For more information, see: www.logichome.dk

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