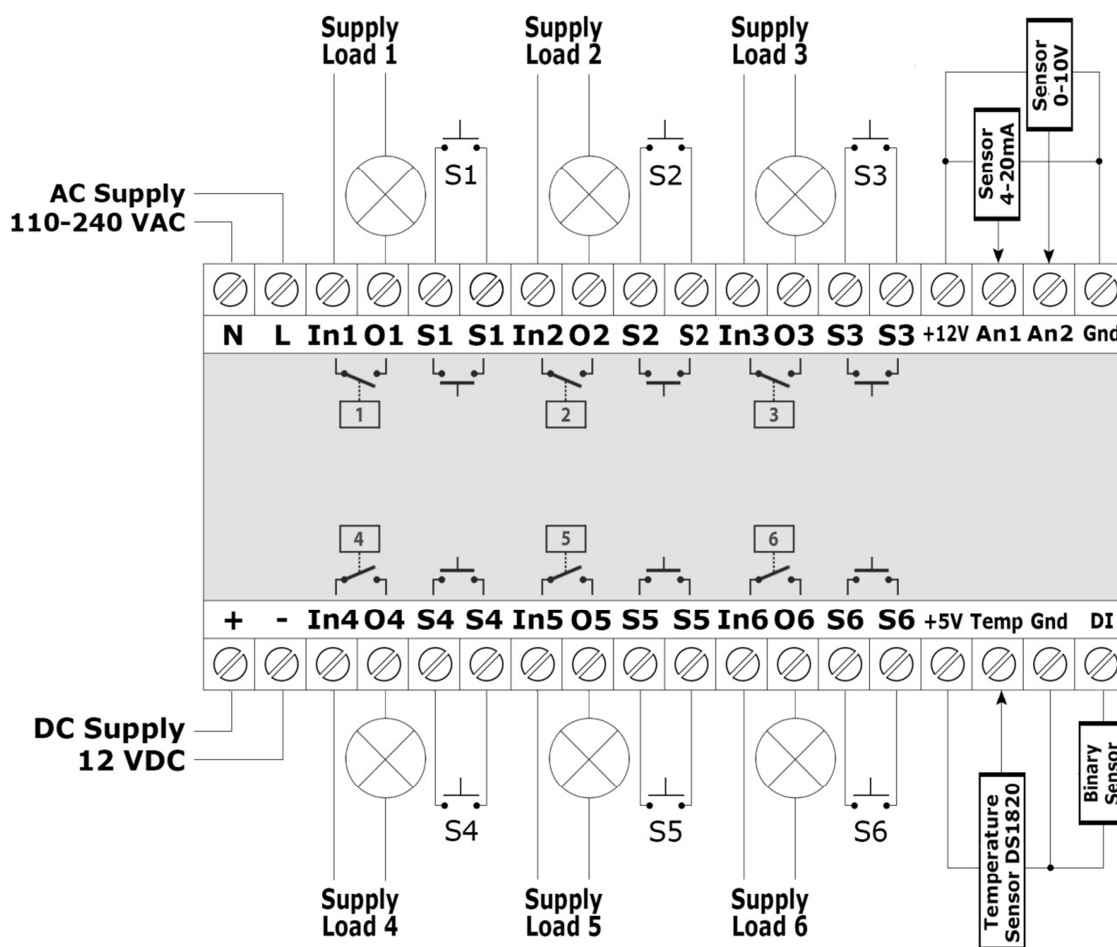


# Haseman Z-Wave DIN Rail 6 x 2kW Universal Switch module

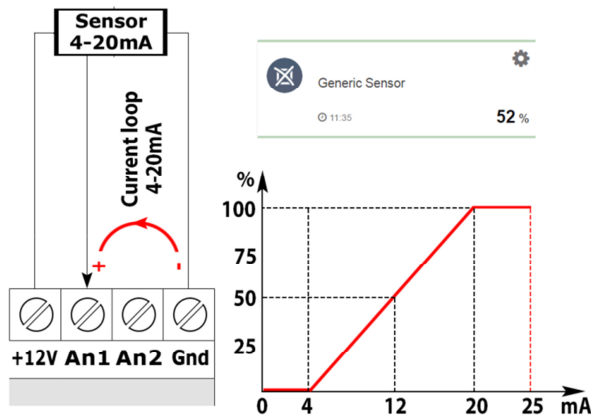


- 6 independent relay outputs.
- Capable to control **AC and/or DC loads**
- **Flexible power supply:** 110 - 240VAC, 50/60Hz **or** 12VDC.
- **Two Analog Inputs:** 0-10V and 4-20mA (for general use).
- **Binary Input** for any type of discrete sensors with dry contact.
- **1-Wire temperature Input** (sensor DS18B20 included!)
- Maximum AC output: 10A / 110 -230V (resistive load).
- Maximum DC output: 12A / 12 - 30V.
- 16A rated PCB power tracks and terminals.
- Conforms to EU regulations: EN55022 EN61000-6.
- To be mounted on standard DIN Rail.
- Radio protocol: Z-Wave, 868MHz.
- Antenna range: up to 50m outdoor / 30m indoor.
- Remote control of the outputs via the Z-Wave network and local control by momentary switches.
- **Compatibility:** Fully compatible with Fibaro Home Center 2, Fibaro Home Center Lite, RaZberry 2, Z-Wave Me ZME UZB1. Basic functionality with Vera Plus and Vera Edge.

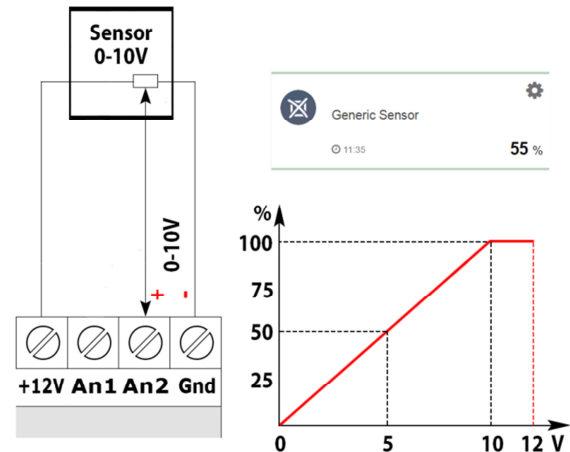


- Each Output could be used to control Low or High Voltage, DC or AC Loads, independently.
- Only **voltage free**, momentary switches must be connected to terminal couples S1 to S6!
- The module could be supplied by 110-240VAC, 50/60Hz **or** 12VDC.

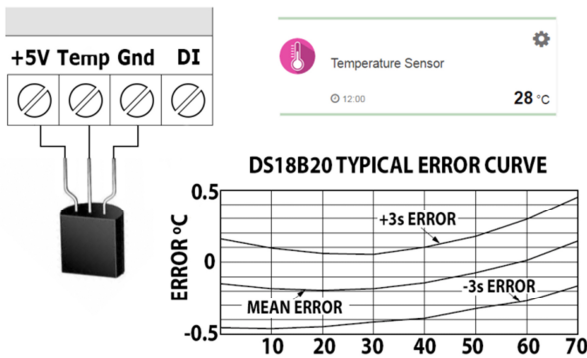
## Analog Input 4-20mA



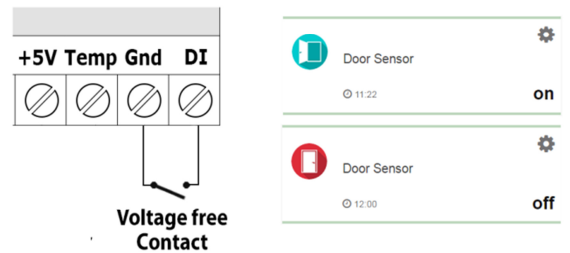
## Analog Input 0-10V



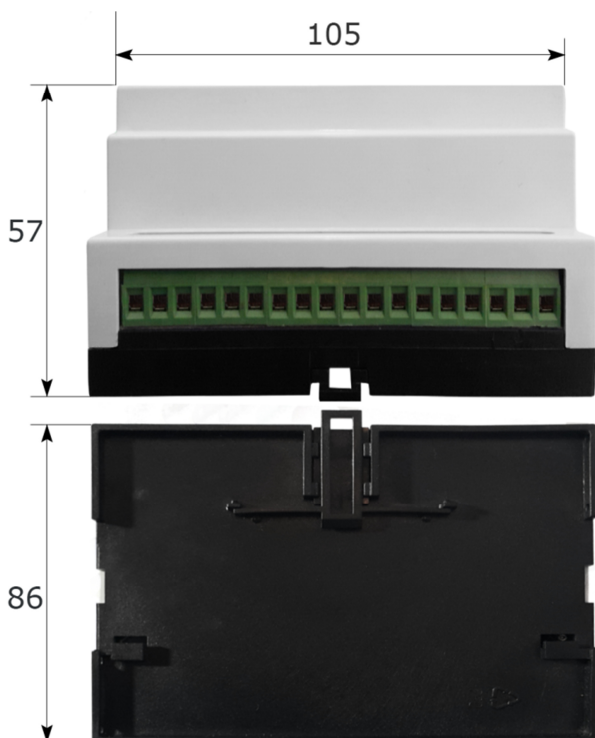
## 1-Wire Temperature Input



## Binary Input



- ALWAYS observe the polarity and voltage limits of analog inputs!**
- Max load on +12V terminal: 200mA
- Max load on +5V terminal: 100mA
- Only **voltage free** contacts must be connected to the binary Input (relay contacts, door/window sensors, pressure switches, thermostats, high/low level sensors, etc.)
- Max. voltage on 0-10V input: 12VDC
- Max. current on 4-20mA input: 25mA



## Z-WAVE NETWORK INCLUSION / EXCLUSION

The device can be included into the Z-Wave network by the Include/Exclude button, located on the right side of the module.

### Adding the module to the Z-Wave network:

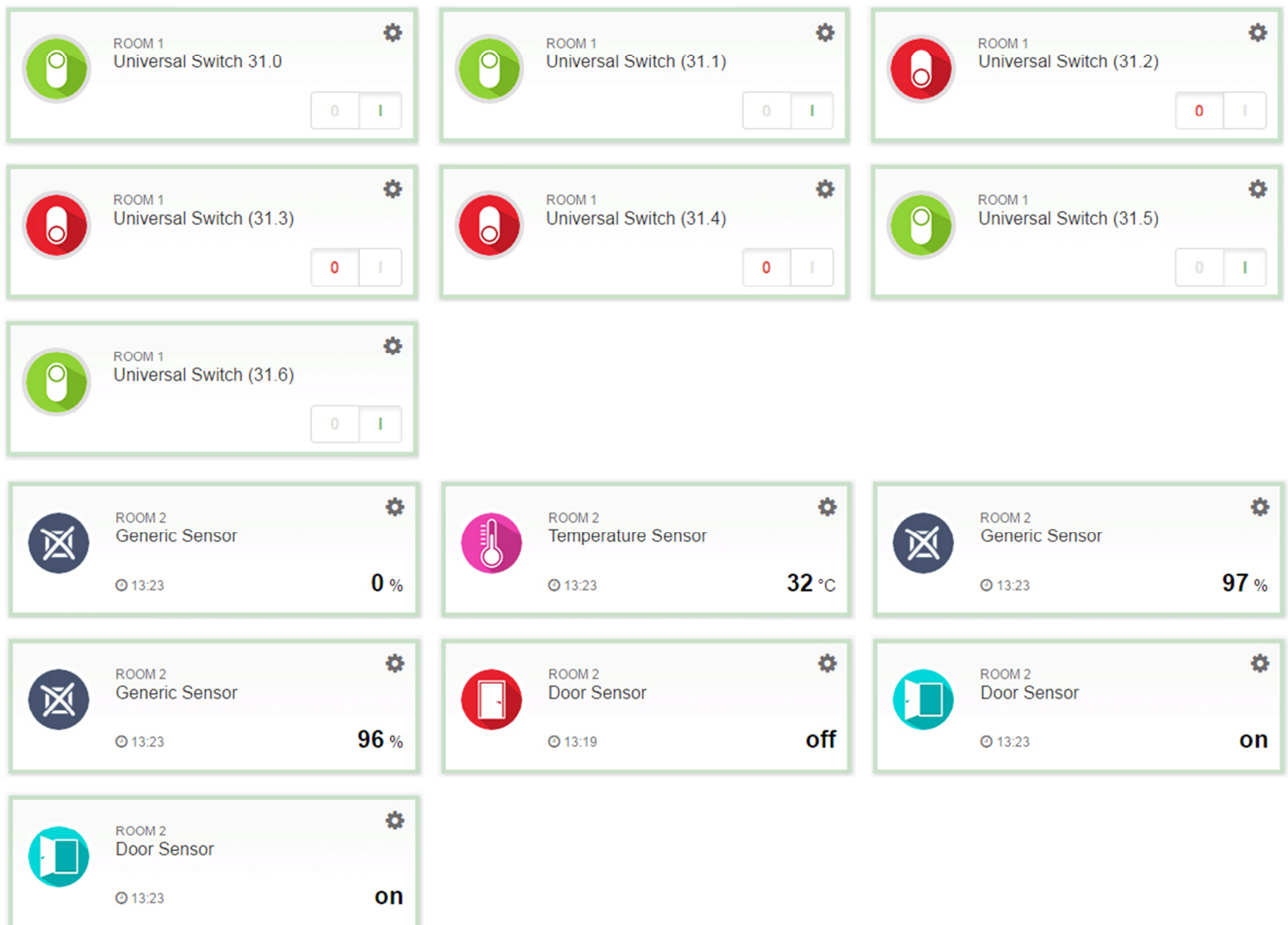
1. Connect the module to voltage supply.
2. Set the Z-Wave network main controller into learning mode (inclusion).
3. Triple click the Include/Exclude button.
4. The module will be automatically recognized and included in the Z-Wave network as a 6 channel switch, plus 4 input channels.

After inclusion there will appear 7 switches, 3 analog inputs, one temperature sensor and 3 binary inputs on the main controller UI.

ID **XX.0** - Main Node (also controls output 1).

ID **XX.1** – ID **XX.6** – correspond to outputs O1-O6.

After including, you can rename the Nodes according to your current project needs.



### Removing the module from the Z-Wave network:

1. Connect the module to voltage supply.
2. Set the Z-Wave network main controller into learning mode (exclusion).
3. Triple click the Include/Exclude button.