

# User manual DIGITAL IN INP-209-D-01

Grenton Digital IN module allows you to connect any device with contact output, like: simple switch, motion sensor, smoke sensor, water sensor and device with 230 V<sub>ac</sub> output.



## 1. Technical data

Device power supply	24 V <sub>dc</sub>
Maximum power consumption	0,15 W
Maximum device current	6 mA (@24 V <sub>dc</sub> )
Maximum wire cross section for 230 V <sub>ac</sub> inputs	2,5 mm <sup>2</sup>
Maximum wire cross section for binary inputs	1,5 mm <sup>2</sup>
Maximum voltage between SW input and "N" terminal	277 V <sub>ac</sub>
Maximum voltage between any two SW inputs	400 V <sub>ac</sub>
Weight	100 g
Size [DIN]	4
Fixing	electrical box, rail DIN-3 / TH 35 / TS 35
Dimensions (H/W/D)	58/71/90 mm
Operating temperature range	0 to +45 °C

## 2. Wiring diagram



IN1-3	binary inputs 1,2,3
G	GND for IN1-3
IN4-6	binary inputs 4,5,6
G	GND for IN4-6
SW1	first 230 V <sub>ac</sub> input
SW2	second 230 V <sub>ac</sub> input
SW3	third 230 V <sub>ac</sub> input
N	neutral terminal for 230 V <sub>ac</sub> inputs

## 3. Warnings and cautionary statements



### ATTENTION!

- Before proceeding with the assembly, read the installation schematics and full instructions available at [www.grenton.com](http://www.grenton.com). Failure to follow the guidelines contained in the instructions and other requirements of due care valid as a result of the nature of the equipment (device) may be dangerous to life / health, damage the device or installation to which it is connected, damage other property or violate other applicable regulations. The manufacturer of the device, Grenton Sp. z o.o. does not bear any responsibility for the damage (property and non-property related) resulting from the assembly and / or use of the equipment not in accordance with the instructions and / or due diligence in handling the equipment (device).

• Device power supply, permissible load or other characteristic parameters have to be in accordance with the device specification, described in particular in the "Technical data" section.

- The product is not intended for children and animals.
- If you have technical questions or comments about the device operation, contact Grenton Technical Support.

- Answers to frequently asked questions can be found at: [www.support.grenton.pl](http://www.support.grenton.pl)



### DANGER!

- Danger to life caused by electric current!
- The components of the installation (individual devices) are designed to work in a home

electrical installation or directly in its vicinity. Incorrect connection or use may cause a fire or electric shock.

- All work related to the installation of the device, in particular works involving interference in the electrical installation, may be performed only by a person with appropriate qualifications or licences.

- When installing the device, make sure that the power supply voltage is disconnected from the circuit in which the device is connected or near which the assembly takes place.

## 4. CE marking

The manufacturer declares that the device is in full compliance with the requirements of EU legislation that includes the directives of a new approach appropriate for this equipment. In particular, Grenton Sp. z o.o. declares that the device fulfills the requirements on safety, specified by law, and that it conforms to the national

regulations that implement the appropriate directives: The Directive on the electromagnetic compatibility (EMC - 2014/30/UE) and the Directive on the limitation of the use of specific substances in electrical and electronic equipment (RoHS II - 2011/65/UE).



## 5. Warranty

Warranty available at: [www.grenton.com/warranty](http://www.grenton.com/warranty)

## 6. Manufacturer contact details

Grenton Sp. z o.o.

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