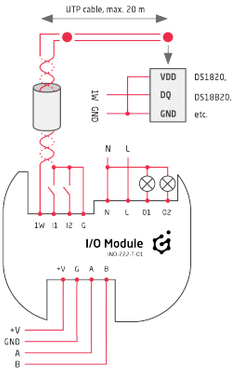
User manual I/O MODULE 2/2
INO-222-T-01

Grenton I/O MODULE 2/2 allows you to control up to two outputs (max.350VA), two digital inputs and two 1-Wire sensors.

1. Technical data

Device power supply	24 V_{dc}
Maximum power consumption	0,96 W
Maximum device current	30 mA (for 24 V_{dc})
Rated load voltage	230 V_{ac} or 24 V_{dc}
Rated channel load AC1	1,5 A / 230 V_{ac}
Maximal breaking capacity AC1	350 VA
Relay type	NO, inrush
Maximum wire cross section for relay outputs	2,5 mm^2
Maximum wire cross section for digital inputs	1,5 mm^2
Weight	30 g
Fixing	flush mounted
Dimensions (H/W/D)	19/45/36 mm
Operating temperature range	0 to +45 °C

2. Wiring diagram



+V	Device power supply
G	GND
A	A signal input
B	B signal input
1W	1-Wire input
I1	first digital input
I2	second digital input
G	GND for 1-Wire and digital inputs
N	'Neutral' signal
L	'Line' signal
O1	First relay output
O2	Second relay output

- 'N' 'i 'L' signals are necessary for 230 V_{ac} loads for switch condition optimization.
- 'L' signal supply O1 and O2.
- For loads up to 24 V_{dc} switching signal has to be connected to 'L'. 'N' is not necessary in this case.

3. Warnings and cautionary statements

ATTENTION !

- Before proceeding with the assembly, read the installation schematics and full instructions available at 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

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

6. Manufacturer contact details

Grenton Sp. z o.o.

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