

User Manual I/O Module

INO-388-D-01

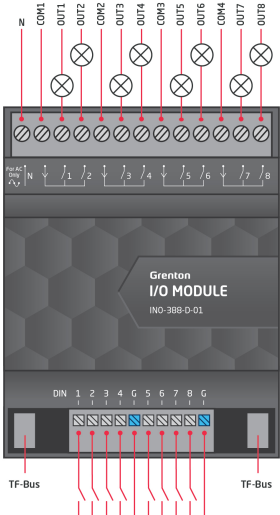
Grenton I/O Module allows you to control up to 8 outputs (max.360VA) and 8 digital inputs.



1. Technical Data

Device power supply	24V _{dc}
Maximum power consumption	1,8W (200mW/ch)
Maximum device current	75mA (for 24V _{dc})
Rated load voltage	230V _{ac} or 24V _{dc}
Rated circuit load (2 channels) AC1:	3A / 230V _{ac}
Rated load current per channel:	
AC1	1,5A / 230V _{ac}
AC15	0,4A / 230V _{ac}
DC1	1,5A / 24V _{dc}
DC13	0,22A / 24V _{dc}
Maximum breaking capacity AC1	360VA
Relay type	NO
Maximum wire cross section for outputs	2,5mm ²
Maximum wire cross section for inputs	1,5mm ²
Weight	148g
Size [DIN]	4
Fixing	electrical box, rail DIN-3 / TH 35 / TS 35
Dimensions (H/W/D)	58/71/90mm
Operating temperature range	0 to +45°C

2. Wiring Diagram



N	'Neutral' signal (for AC only)
COM1	power supply input for circuit 1
OUT1	first output channel in circuit 1
OUT2	second output channel in circuit 1
COM2	power supply input for circuit 2
OUT3	third output channel in circuit 2
OUT4	fourth output channel in circuit 2
COM3	power supply input for circuit 3
OUT5	fifth output channel in circuit 3
OUT6	sixth output channel in circuit 3
COM4	power supply input for circuit 4
OUT7	seventh output channel in circuit 4
OUT8	eight output channel in circuit 4
DIN 1-4	digital inputs 1-4
G	ground signal for digital inputs
DIN 5-8	digital inputs 5-8
G	ground signal for digital inputs

- Outputs are divided into four independent circuits. Each circuit has own 'COM' input and 2 outputs (channels).
 - 'N' signal is necessary only for 230V_{ac} loads for switch condition optimization.
- The relays of the given circuit are powered from the 'COM' input.
 - For capacitive loads it is recommended to use one receiver for one output.

3. Warnings and Cautionary Statements



ATTENTION I

- 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



DANGER I

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

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.com.

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 na-

tional 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

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