User Manual Analog IN/OUT

MUL-211-D-01

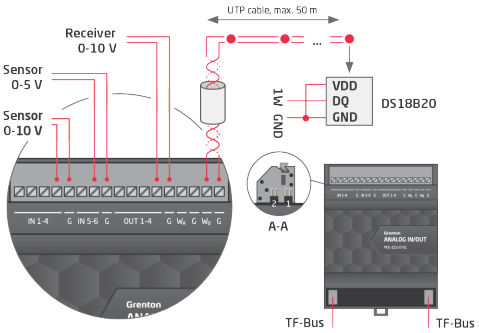
Grenton Analog IN/OUT expands the possibilities of the system and ensures support for analog standards 0-10V, 0-5V, 0-20mA and 1-Wire.



1. Technical Data

Device power supply	$24V_{dc}$
Maximum power consumption	0,48W
Maximum device current	20mA (for $24V_{dc}$)
Maximum input voltage for IN1-4	$10V_{dc}$
Maximum input voltage for IN5-6	$5V_{dc}$
Maximum output voltage for OUT1-4	$10V_{dc}$
Maximum output current for OUT1-4	10mA
Maximum number of 1-Wire sensors	16
Maximal wire cross section	$1,5mm^2$
Weight	105g
Size [DIN]	4
Fixing	Electrical box, rail DIN-3 / TH 35 / TS 35
Dimensions (H/W/D)	90/72/58mm
Operating temperature range	0 to +45°C

2. Wiring Diagram



IN1-4	0-10V analog inputs
IN5-6	0-5V analog inputs
G	Ground signal
OUT1-4	0-10V analog outputs
W_A	1-Wire input, channel A
W_B	1-Wire input, channel B
A-A1	0-20mA jumper for input IN1
A-A2	0-20mA jumper for input IN2

- For 0-20mA mode of IN1 or IN2 use jumper on A-A1 or A-A2.
- Inputs W_A and W_B support up to 16 1-Wire sensors in total.

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.com.



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

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