

1. GENERAL FEATURES:

Reading points: 5 tension inputs;

Control: Via MD BUS;

Applications: Reading equipment with voltage output 0-10V;

Installation: DIN Rail Distribution Board.

2. GENERAL SPECIFICATIONS:

Mains Voltage: 12VDC;

Consumption: 25mA @ 12VDC;

Storage Temperature: -10 ° C to 60 ° C;

Operating Temperature: 10 ° C to 50 ° C;

Maximum humidity: 80% without condensation;

Specifications Inputs:

resolution:

10 bits;

Protected until:

+25VDC e -25VDC;

Physical Specifications:

Dimensions: 105mm X 90mm X 70mm DIN rail mounting (6 modules); Box Plastic, self-extinguishing UL-94 V0;

Degree of Protection: IP20, for indoor use.

Directives:



3. COMPATIBILITY:

PCCWd Compatibility: V3.4;

Software Compatibility Mordomus: Mordomus Software v2015.2 or higher;

4. SECURITY:

Before making any connections, please read these instructions carefully.

Never remove the plastic base from DIN rail.

5. CONNECTIONS:

Thickness of conductors:

Bus Circuit:

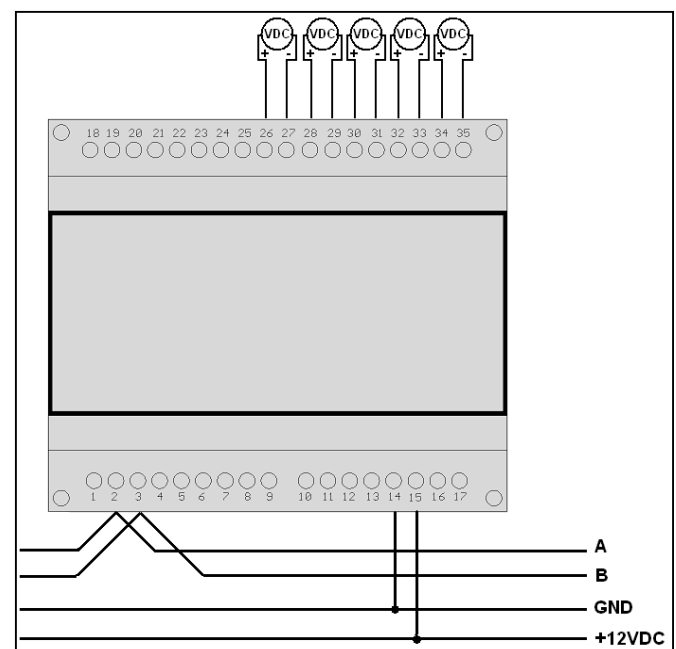
CAT6 Cable F/UTP shielded, twisted;

Power Circuit:

Mono-wire or multi-wire at least 0.75 mm²

Table of Connections:

Nº	Function	Nº	Function
1	GND	28	Input 4
2	MD BUS RX (A)	29	GND
3	MD BUS RX (B)	30	Input 3
14	GND	31	GND
15	+12VDC PSU	32	Input 2
16	GND	33	GND
17	+12VDC PSU	34	Input 1
26	Input 5	35	GND
27	GND		



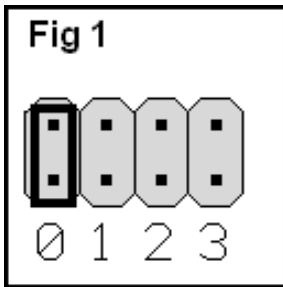
Connect the Bus:

To connect the BUS should be used a twisted pair cable CAT6. **For example:** Green for A and Green/White to B. The shield should be connected to GND.

Connect the 12VDC power:

It is recommend the use of Mean-Well power supplies, DR60-12 and DR30-12.

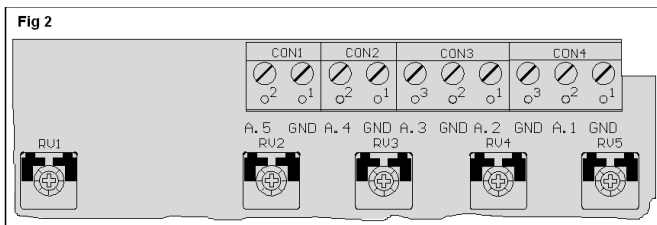
6. ADDRESSING AND CONFIGURATION:



To assign the desired module to do the following:

1. Place the jumper on the module as shown in Fig 1;
2. In **Mordomus Software** select **Settings** -> **Registration Module/Addresses**;
3. Press **RESET** button and module (red LED 2 flashes once and green LED 1 blinks). Note that after three minutes without having assigned a new address, the module automatically returns to normal.
4. At Mordomus Software will open a window that allows the module addressing, you should choose the address and when you confirm, the Green LED 1 will stop blinking;
5. After applying the new settings remove **Jumper 0**.

The chosen address must not be shared with another module.



The variable resistors (VR), RV1 RV5 allows to adjust the sensitivity of each input IN5AWd.

1. To adjust the sensitivity correctly:
2. Put the maximum voltage produced by equipment connected to the input. In the case of a device with the [0 - 10V] would be 10V.
3. Turn the RV to minimum (counter clockwise);
4. Turn the RV slowly clockwise until the value displayed in the Software Mordomus corresponds to the maximum value (100% or 1023).

Refresh rate:

This configurable parameter in Software Mordomus defines the frequency of readings.

Possible values are: 1, 3, 5, 10, 30 seconds, and 1, 3, 5, 10, 30 minutes.

Necessary variation (Delta):

This configurable parameter in Software Mordomus defines the percentage of the variation necessary for a new reading is validated. Possible values are 1, 2, 3, 4, 5, 6, 10, 50%.

7. FUNCTIONING:

Led Code:

Green LED ON: Module powered;

Green LED blinking briefly: Module receiving data;

Green LED blinking continuously: Module awaiting address;

Red LED blinking: module sending data.

Reset: To perform a reset, cut power of the module 12VDC for several seconds or press the Reset.