

1. GENERAL FEATURES:

Control points: 4 analog outputs with adjustable voltage 10 to 2V;

Applications: Control any type of equipment (0V to 10V);

Installation: DIN Rail distribution board;

2. GENERAL SPECIFICATIONS:

Supply Voltage: 12VDC;

Current Consumption: 45mA @ 12VDC nominal;

Outputs Load current: 4mA;

It supports addresses Base and Expanded 1/2/3.

Physical specifications:

Dimensions: 105mm X 90mm X 70mm, DIN Rail mounting, (6 modules);

Casing: Self-extinguishing plastic UL-94 V0;

IP Grade: IP20, for indoor use.

3. COMPATIBILITY:

PCCWd Compatibility: V3.4 or FW V3.2, V3.31 with bus Adapter;

Mordomus Software compatibility: Software Mordomus v2015.2 or later.

4. SETTING THE MAXIMUM OUTPUT VOLTAGE:

The potentiometer sets the maximum output voltage from 2 to 10V.

5. SAFETY:

Read these instructions carefully before attempting to perform any connections to the module.

Do not remove the circuit board from its casing.

6. CONNECTIONS:

Cross-section and specification of conductors:

Bus Circuit:

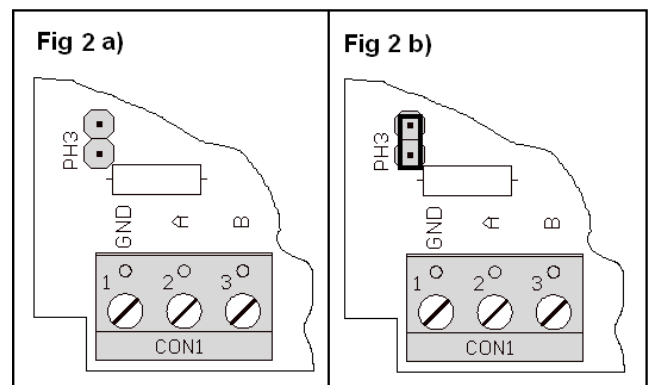
CAT6 F/UTP Cable shielded, twisted;

Supply circuit:

Solid or stranded wire with at least 0,75mm²

Table of connections:

Number	Function	Number	Function
1	GND	18	Analog output 1
2	MD Bus TX (a)	19	GND
3	MD Bus TX (b)	20	Analog output 2
5	Reset	21	GND
14	GND	22	Analog output 3
15	+12vdc	23	GND
16	GND	24	Analog output 4
17	+12vdc	25	GND



Place the Jumpers according to Fig 2 b) in order to close the Bus circuit if the module is the last on the line. On Bus circuits with many modules it might be necessary to only place the jumper *Term*.

In all other circumstances the jumpers should be placed as shown by Fig 2 a).

Address table:

Start Address	191
End Address	2479

Communication Bus:

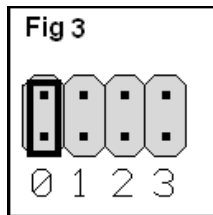
The Bus connection should be carried out by means of one pair of twisted wire (CAT6). For example: Green for **A** and Green/White for **B**.

The shield must be connected to GND.

12VDC power supply connection:

The use of Mean-Well DR60-12 or DR30-12 power supplies is recommended.

7. ADDRESSING AND CONFIGURATION:



To assign the desired module to do the following:

1. Place the **jumper 0** on the module as shown in Fig 3;
2. In Software Mordomus select the **Configurations -> Registration Module/Addresses**;
3. Press the RESET button module (Green LED 1 blinks).
4. Mordomus Software will open a window that allows the module address, you should choose the address you want and when you confirm, the Green LED 1 will stop Blinking;
5. After applying the new settings, remove the jumper.

The chosen address must not be shared with another module.

The variable resistor “VR1” adjusts the maximum output voltage of about 2 to 10V.

Note that the maximum voltage is set at approximately 10V from the factory.

8. FUNCTIONING:

LED Code:

Green LED ON: Module powered;

Green LED blinking briefly: Module to receiving data;

Green LED blinking continuously: Module awaiting address;

Red LED blinking: module sending data.

12VDC power failure:

After a power interruption 12VDC, each output is set in the state it was in at the time of interruption.

Reset: To perform a reset, cut power supply (12VDC) for a few seconds or briefly press the reset button.