

## 1. GENERAL FEATURES:

**Control points:** 8 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.

**Directives:**



## 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:

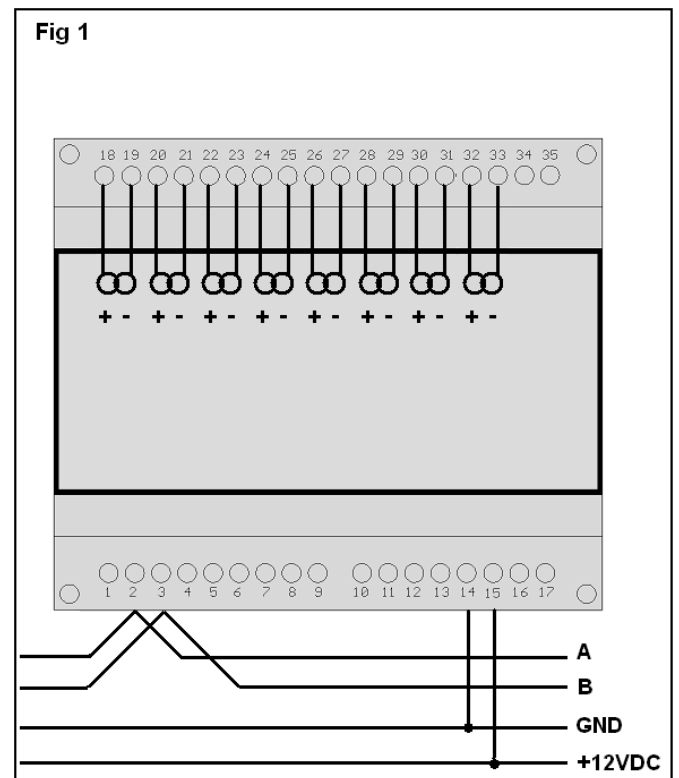
CAT6 F/UTP Cable shielded, twisted;

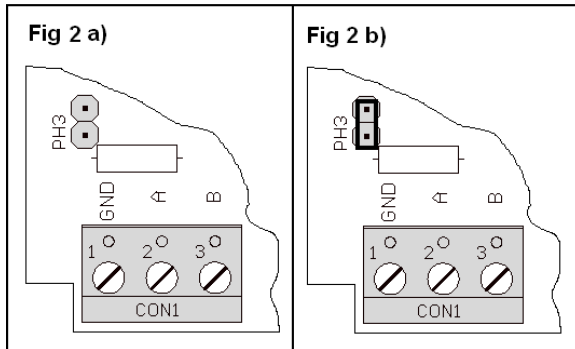
Supply circuit:

Solid or stranded wire with at least 0,75mm<sup>2</sup>

## Table of connections:

Number	Function	Number	Function
1	GND	22	Analog output 3
2	MD Bus TX (a)	23	GND
3	MD Bus TX (b)	24	Analog output 4
5	Reset	25	GND
14	GND	26	Analog output 5
15	+12vdc	27	GND
16	GND	28	Analog output 6
17	+12vdc	29	GND
18	Analog output 1	30	Analog output 7
19	GND	31	GND
20	Analog output 2	32	Analog output 8
21	GND	33	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:

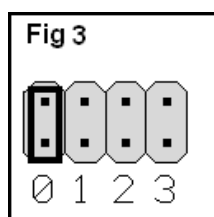
The Bus connection should be carried out by means of one pair of twisted wire (CAT6). For example: Green for **A** and Green/White for **B**.

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:



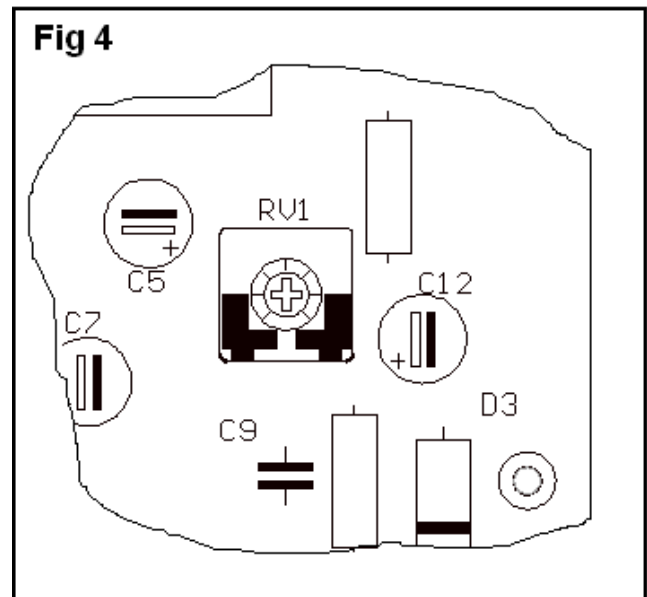
To assign the desired module to do the following:

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.