1. GENERAL FEATURES:

Control Points: 1650 to 1582 Inputs Outputs;

Communications Via MD BUS (Half-duplex) and RS232 (Full Duplex);

Applications: Communication interface between Mordomus CPU and Mordomus modules;

Installation: DIN Rail Distribution Board.

2. GENERAL SPECIFICATIONS:

Voltage: 12VDC;

Consumption: 25mA @ 12VDC;

Storage Temperature: -10ºC to 60ºC;

Operating Temperature: 10ºC to 50ºC;

Maximum humidity: 80% without condensation;

Physical Specifications:

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

Level of Protection: IP20, for indoor use.

Directives:

CE *-Electromagnetic Compatibility Directive / EMC Directive 2004/108/EC*

3. COMPATIBILITY:

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

4. SECURITY:

Before making any connections, please read these instructions carefully.

Never remove the card box holder DIN rail.

5. CONNECTIONS:

Thickness of conductors:

    Circuit Bus:

        CAT6 Cable F/UTP shielded, twisted;

    RS232 circuit:

        CAT6 Cable F/UTP shielded, twisted;

    Power Circuit:

        Mono-wire or Multi-wire least 0.75mm²;

Table of Connections:

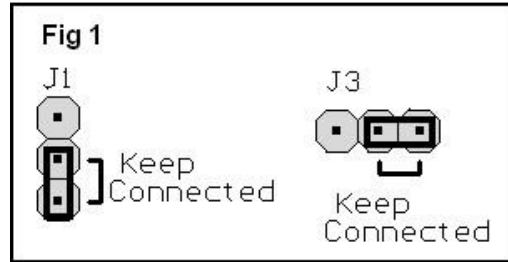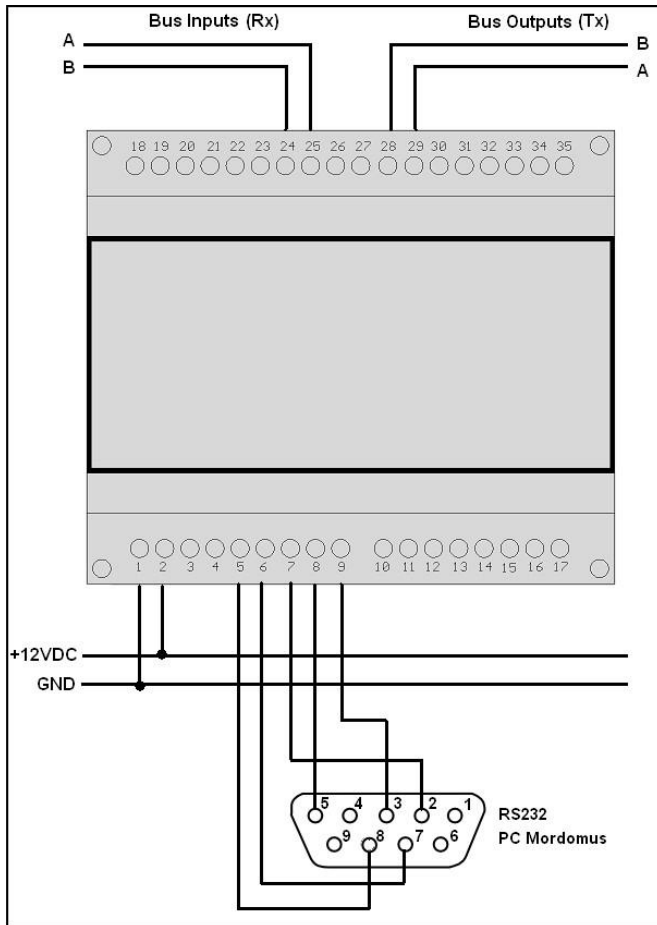| Number	Function	Number	Function
1	GND	13	GND
2	+12VDC PSU	14	Not Connected
3	GND	15	Not Connected
5	RS232 CTS	16	Not Connected
6	RS232 RTS	17	Not Connected
7	RS232 RX	24	RX Bus A
8	GND	25	RX Bus B
9	RS232 TX	26	GND
10	GND	27	GND
11	GND	28	TX Bus B
12	GND	29	TX Bus A

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.

Mordomus communications is divided into two distinct BUS, Inputs BUS (RX) and Outputs BUS (TX).

The following table specifies which bus must be connected to each module.

Inputs BUS (RX)	Outputs BUS (TX)
Multi-Sensor	OF8Wd
METEO	OF4Wd
IN5AWd	OUT4AWd
IN22DWd	OUT8AWd
IN22SWd	INV6Wd
IN22TWd	LD4Wd
IN10DWd	LD8Wd
IN10SWd	WIN3Wd
IN10TWd	SND5Wd
IN4DWd	SND4.28Wd
IN41Wd	LED8Wd
PCI6.4Wd	UD4Wd
MDt1Wd	
MDt3Wd	

In Bus Mordomus there should NOT be ramifications.

Maintain jumpers J1 and J3 as shown in Fig 1.

6. FUNCTIONING

Code of LEDs:

Red Led and Green flash simultaneously: PCCWd connecting to CPU Mordomus;

Red LED: indicates data transmission by TX Bus;

Green LED: indicates reception of data by RX Bus.

12VDC power interruption:

After a power interruption 12VDC, PCCWd performs a full restart of the entire system.

Reset: To perform a reset, interrupt power supply (12VDC) from the module for a few seconds.

Connect the 12VDC power:

The power supply dedicated to PCCWd must be supported by UPS.

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