

## 1. GENERAL FEATURES:

**Reading points:** 4, temperature, light, wind intensity and rain detection;

**Command:** Via MD BUS;

**Applications:** Weather information current;

**Installation:** Outside the building.

## 2. GENERAL SPECIFICATIONS:

**Voltage:** 12VDC;

**Consumption:** 150mA @ 12VDC;

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

**Temperature Operating:** -60°C to 60°C;

### **Readings:**

Temperature: -60°C to 60°C;

Brightness: 10 levels;

Wind: 10 levels;

Rain: true/false;

### **Physical Specifications:**

Box Plastic, self-extinguishing UL-94 V0;

**Level of Protection:** IP54, for outdoor use.

### **Directives:**



## 3. COMPATIBILITY:

**PCCWd Compatibility:** Firmware 3.4 or higher version V3.2 or V3.31 with BUS Adapter;

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

## 4. SECURITY:

Before making any connections, please read these instructions.

## 5. INSTALLATION:

1. Must handle carefully the parts of the module and ensure ITS correct assembly;
2. It is important to establish the place of installation so METEO IS exposed to the elements so then can be measure.

**Note that if the METEO is installed to direct sunlight will measure temperatures according to the exposure, and different temperatures may be measured in the shade.**

3. METEO should be inclined 45 ° relative to the horizon, so that the rain water runs down, as the Fig. 4;
4. Do not paint or polish METEO sensitive surface;
5. The accumulation of dirt on the rain sensor limits its sensitivity, which must be cleaned twice a year with a damp cloth or when it shows signs of dirt or incorrect readings.

If the chosen location for METEO has a difficult access and/or remote to the Mordomus console, it is advisable to carry out the address through a previous temporary connection with the frame and the console.

After this previous assemble the METEO in its place.

## 6. CONNECTIONS:

Thickness of conductors:

Circuit Bus:

CAT6 Cable F/UTP shielded, twisted;

Power Circuit:

CAT6 Cable F/UTP shielded, twisted;

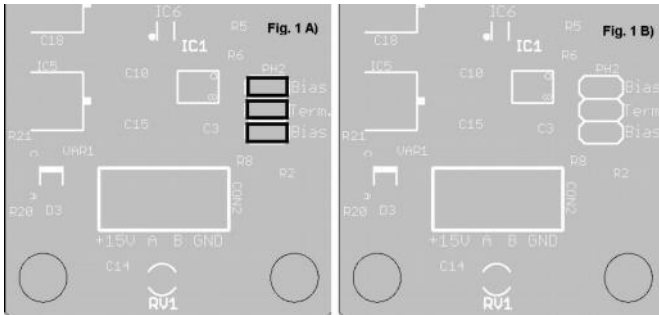
**In case of installation with BUS ADAPTER, METEO should be at the end of RX Bus chain.**

### **Connect the Bus:**

To connect the BUS should use 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.



In case the module is the last position on the bus, jumpers should be placed according to Fig 1 A) to close the BUS chain. In the case of bus length very long you may need only put the jumper Term. In other situations should remain as in Fig 1 B).

Fig 2:



Fig. 4:



## 7. ADDRESSING AND CONFIGURATION:

After connected and powered, perform the following steps:

1. Open "Register modules" in the Mordomus software;
2. Press address (Addressing) inside the module. The Green LED will blink slowly and the red LED will pulse once.

**Note that after three minutes without having assigned a new address, the module automatically returns to normal mode.**

3. Set the desired address in the window now displayed on Software Mordomus.

## 8. FUNCTIONING:

### Led Code:

**D5 Green LED ON:** Module powered;

**D5 Green LED blinking briefly:** Module receiving data;

**D5 Green LED blinking continuously:** Module awaiting address;

**D4 Red LED blinking:** module sending data.