

## 1. GENERAL FEATURES:

**Reading points:** 1;

**Control:** Via MD BUS;

**Applications:** Temperature reading through the integrated sensor;

**Installation:** In wallbox switches or other location exposed to temperature measuring.

## 2. GENERAL SPECIFICATIONS:

**Voltage:** 12VDC;

**Consumption:** 7mA @ 12VDC;

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

**Operating Temperature:** 10°C to 60°C;

**Maximum Humidity:** 80%, non-condensing;

**Specifications for internal sensor:**

Temperature Range:

0°C to 60°C;

Resolution:

0,5°C between 0°C and 60°C;

**Physical Specifications:**

**Dimensions:** 36mm x 36mm x 20mm;

**Level Protection:** IP00, for indoor use.

## 3. COMPATIBILITY:

**PCCWd Compatibility:** V3.4;

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

## 4. SECURITY:

Before making any connections, please read these instructions carefully.

Evitar o contacto entre o MDt1Wd e qualquer superfície metálica.

## 5. CONNECTIONS:

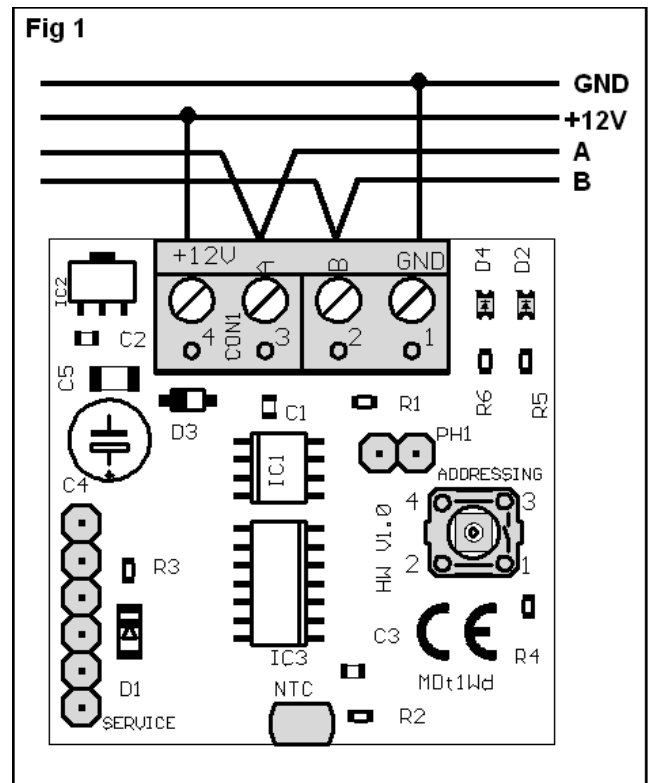
Thickness of conductors:

Bus Circuit:

CAT6 Cable F/UTP shielded, twisted;

Power circuit:

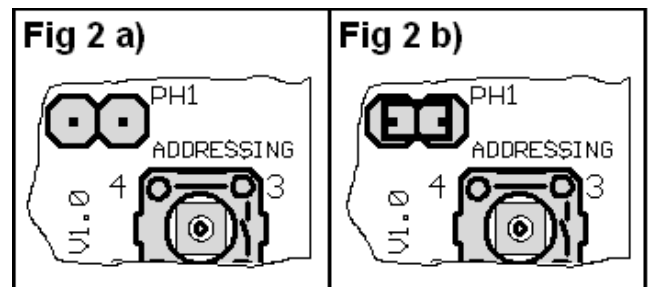
Mono-wire or multi-wire at least 0.75mm<sup>2</sup>;



### Connect the Bus:

To connect the BUS, must be used a pair-Interlace CAT6 cable. For example, Green for A and Green/White for B,

The shield should be connected to GND.



If the module is the last module at Mordomus Bus, the jumper must be placed according to Fig 2 b) to close the BUS chain. In other situations it should remain as in Fig 2 a).

### Connect the 12VDC:

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

## **6. ADDRESSING AND CONFIGURATION:**

### **6.1. Addressing:**

To assign the desired address to the module proceed as following:

1. Open the "Registering Modules" window at Mordomus software.
2. Press (Addressing) button inside the module. The Green LED will flash 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. Define the desired address at Mordomus software at the displayed window.

**The chosen address must not be shared with another module.**

### **6.2. Configuration:**

#### **Refresh rate:**

This is configurable at Mordomus software in the parameter that defines the readings frequency.

Possible values are 1, 3, 5, 10, 30 seconds, and 1, 3, 5, 10, 30 minutes. The default is 10 seconds.

## **7. FUNCTIONING:**

#### **Code of Leds:**

**Green LED ON:** Module powered;

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

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

**Red LED blinking:** Module sending data.

**Reset:** To perform a reset to the module, cut power supply 12VDC for a few seconds.