

MySenseBus

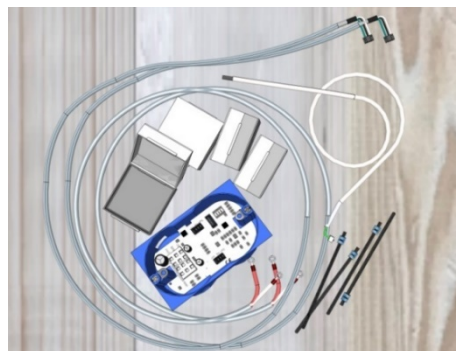
MySenseBus is the moisture sensor recommended for new buildings, where the sensors are connected in series to the MyControl CPU control unit via a low voltage cable. The connection in series between sensors and control unit via the cable guarantees the safety of data transmission, even on long stretches, up to 100 meters in length of the bus cable. The sensor is equipped with two adjustable moisture probes which allow to reach the sensitive points of the structure such as: ground interface, windows, terraces and flat roofs, bathrooms and shower trays

MySenseBus

- n° 1 Bus sensor with case box for light wall
- n° 1 Temperature probe with 1 m cable length
- n° 2 Gel Box
- n° 4 non-insulated stainless steel electrodes 100 cm long *
- n° 2 Moisture probes length. 1, 2 or 3 meter cable *
- * Other measurements of electrodes and probes cables on request

Item code

E.3XX



Specifiche MySenseBus

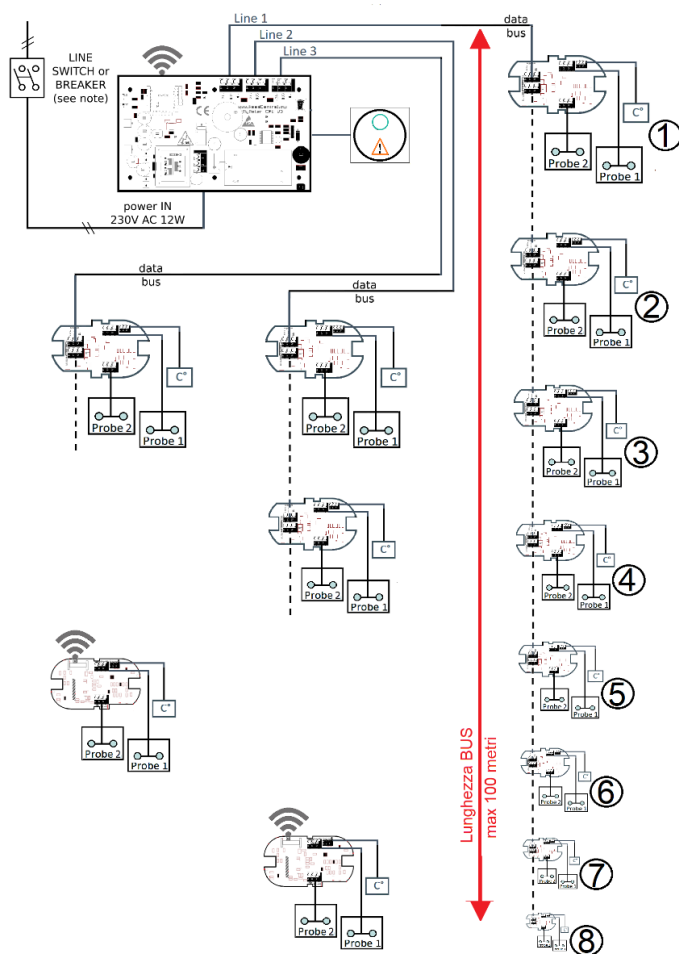
Data transmission:	via low voltage cable
Power supply:	via low voltage cable
Transmission distance:	100 meters
Data transmission:	once an hour
Humidity measurement:	10 - 32%
Operating temperature:	0 - 60 ° C

Example wiring diagram of the MyMeter® system

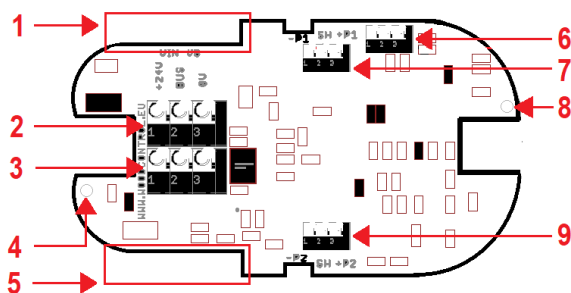
Specifications:

- The Bus line must be independent and divided from that normally used at 230 VAC.
- Length of the bus cable connecting the control unit and sensors max 100 meters
- Maximum sensors connectable in the same line max 8
- Sensors for system max 16
- Dry contact output cable length 2 meters (optional)

The connection must be carried out by a qualified person who will take full legal responsibility. The installation and connections must be done according to EN (or equivalent) for installation in the European Union, or according to your country's standards. Where required, the mains power supply needs to be a rated voltage of 230 VAC \pm 10% single-phase, without earth connection, and the electronic boards must be inserted in the appropriate electrical boxes to form a double insulation circuit. It is forbidden to use metal boxes and lids or any other electrically conductive material. The electrical connection to the 230 VAC must done with suitable conductors and the cables/wires with no less than 0.75mm².



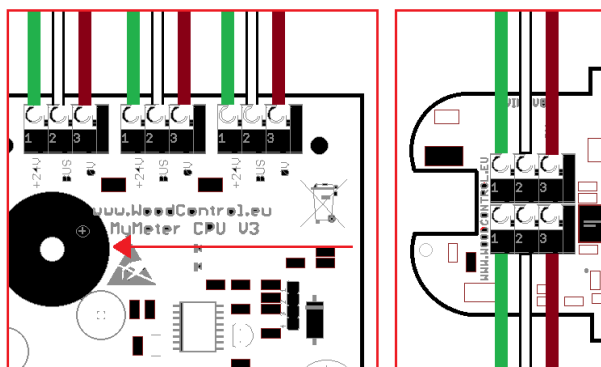
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- 1) Entry for BUS cable.
- 2) Connection to BUS lead (between MyControl CPU WiFi cable MySenseBus Line 1/2/3 or between the sensors)
- 3) Connection to BUS cable.
- 4) Holes for attaching to case.
- 5) Entry for the moisture probes.
- 6) Connection to temperature probe.
- 7) Connection to moisture 1.
- 8) Holes for attaching to case.
- 9) Connection to moisture 2..

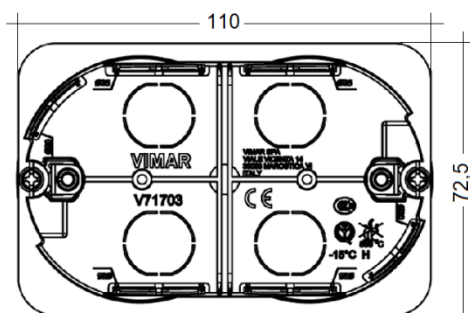
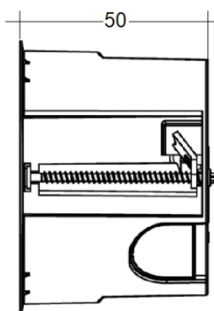


Connecting cable between:
MyControl (WiFi base) and MySenseBus
FROR 450/750V 3x0.50 Grey "C"
In 2019 the FROR cable will be substituted with new
lead: FS18OR18 3x0,5 according to regulation
UE305/11 which came into effect on 1st July 2017

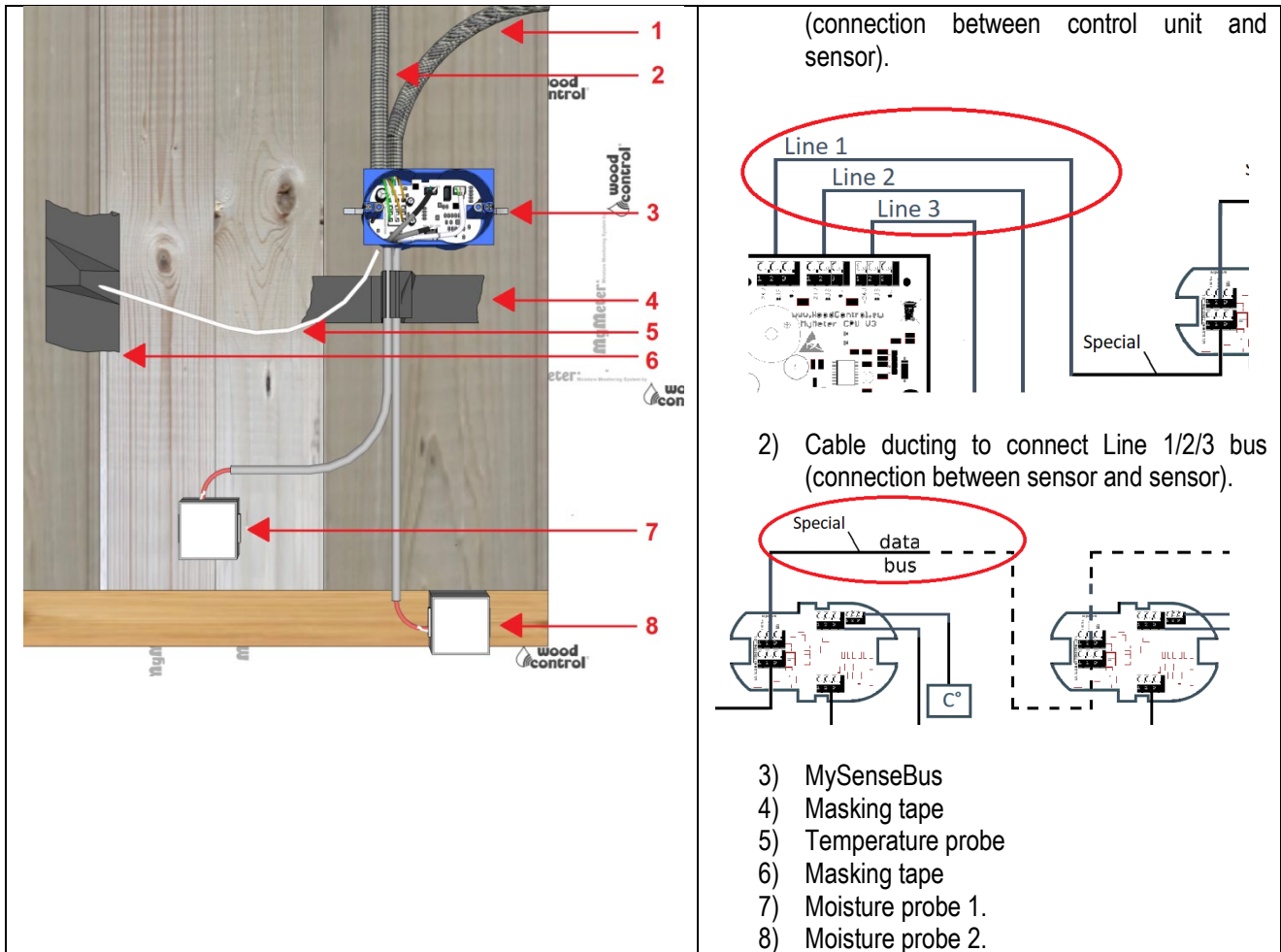


WARNING:
The colors of the BUS link between control unit and sensors have to be the same at all times .
The BUS wire for the connection between the control unit and sensors must have a separate installation unit

Scatola per MySense



MySenseBus

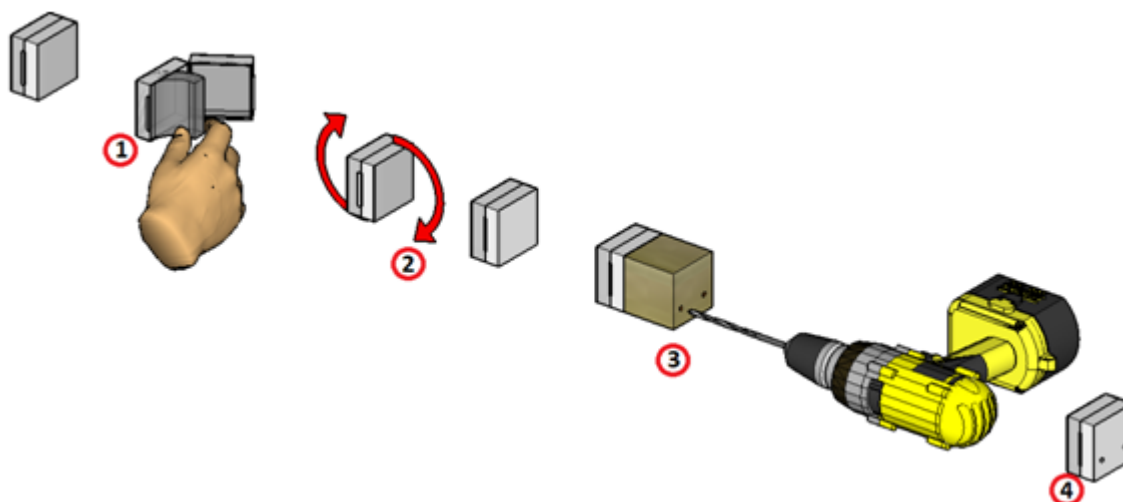


Step 1 Installing MySenseBus

- 1) Prepare Gel Box for the electrodes (Diagram 1)
- 2) Mark position where electrodes are placed (Diagram 2).
- 3) Position the drill guide in the center and drill with provided drill bit (Diagram 3).
- 4) Drill until you reach the necessary depth to screw in the electrodes (Diagram 4).
- 5) Screw the electrodes with Gel Box onto wood using supplied screwdriver (Diagram 5).
- 6) Attach the wires of the Probe (Diagram 6)
- 7) Supplied nut driver (Diagram 7).
- 8) Insert gel into el Box (Diagram 8).
- 9) Close Gel Box (Diagram 9)
- 10) Mark position where to place Probe 2 cable (Diagram 10).
- 11) Repeat for the installation of second moisture probe (Diagram 11)
- 12) Fix the Moisture Probe with masking tape (Diagram 12).
- 13) Position Temperature Probe to wall and fix its with masking tape (Diagram 13)
- 14) Put the cable ducting in place with the Bus connection cable between probes and CPU (Diagram 14)

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Diagram 1



- 1) Opne Gel Box
- 2) Take out Gel
- 3) Close Gel Box and turn over
- 4) Hold and drill the back of the Gel Box

Diagram 2



Diagram 3



Diagram 4

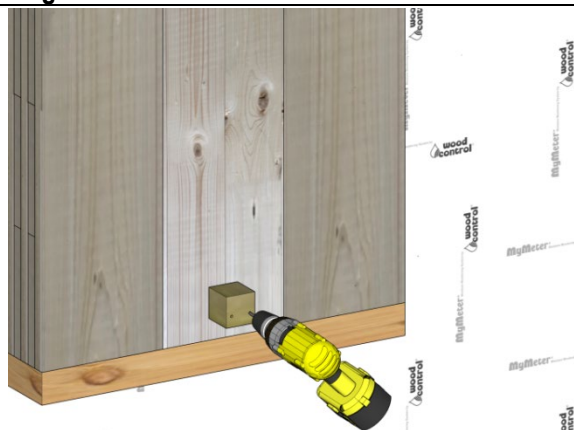


Diagram 5

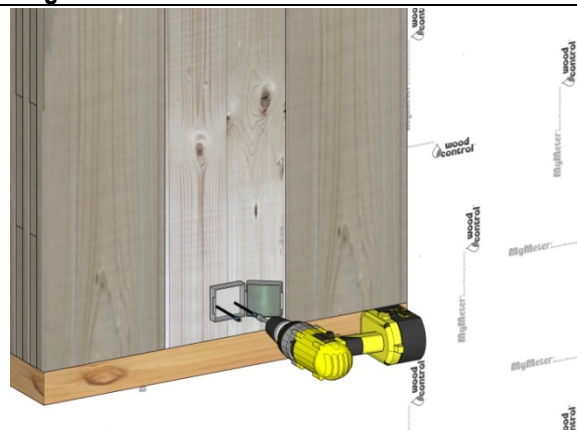
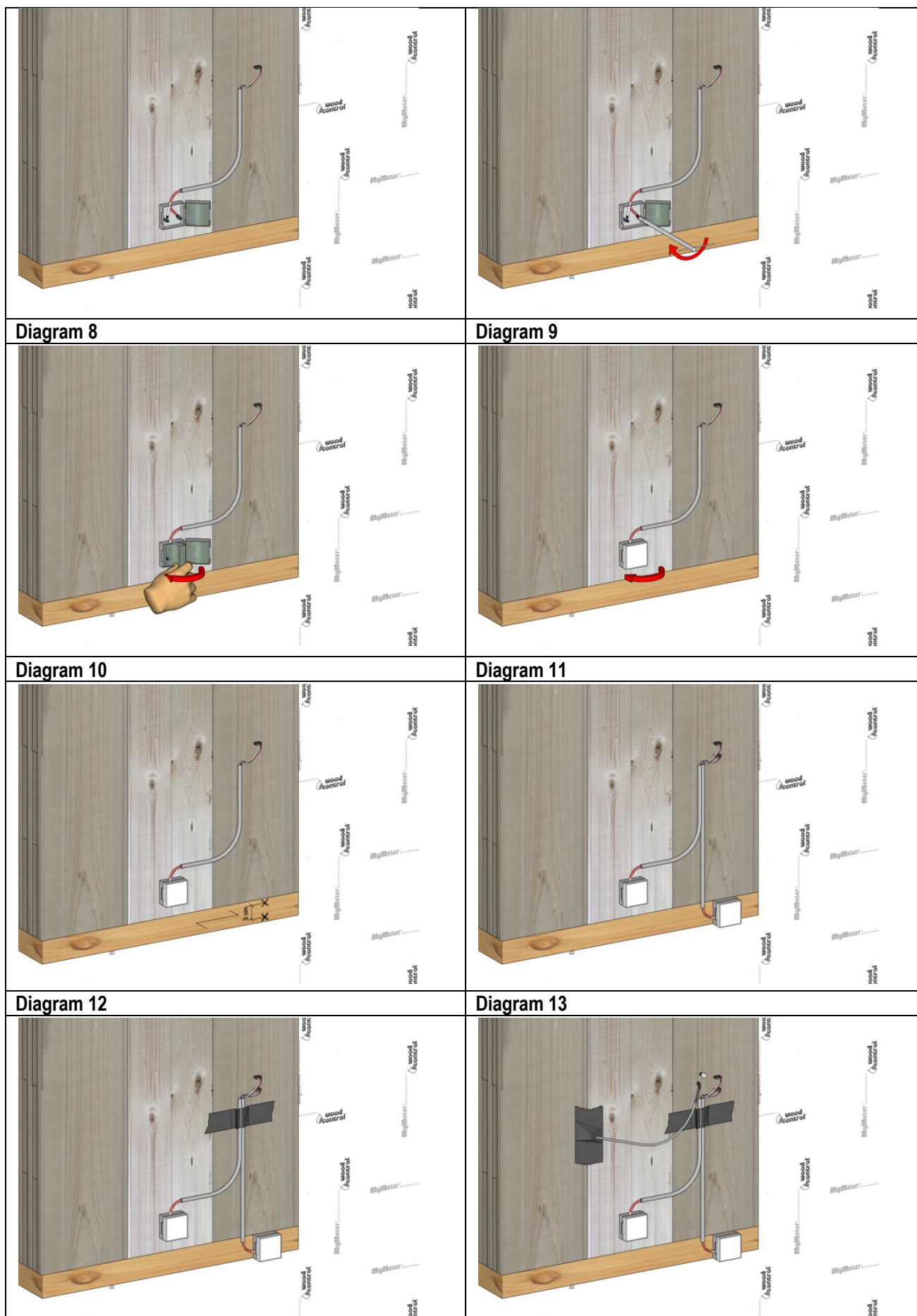


Diagram 6

Diagram 7

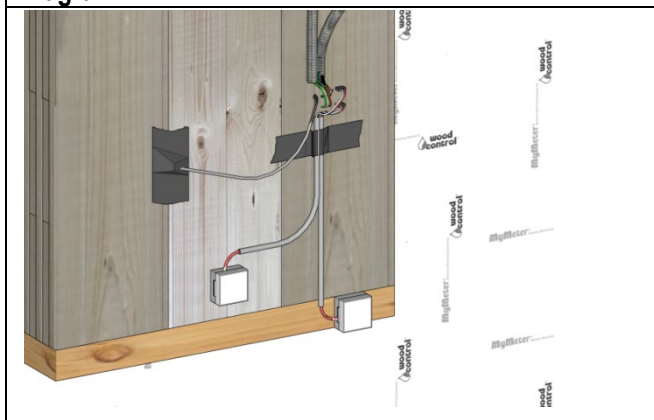


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Diagram 14



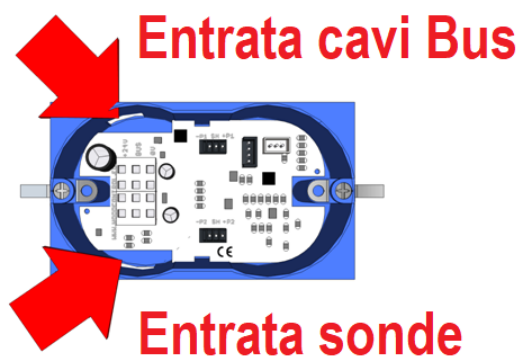
Step 2 Connecting MySenseBus

The connection must be carried out by a qualified person who will take full legal responsibility. The installation and connections must be done according to EN (or equivalent) for installation in the European Union, or according to your country's standards.

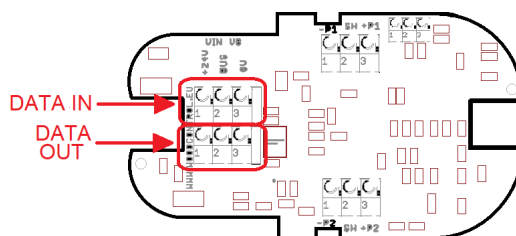
Where required, the mains power supply needs to be a rated voltage of 230 VAC \pm 10% single-phase, without earth connection, and the electronic boards must be inserted in the appropriate electrical boxes to form a double insulation circuit. It is forbidden to use metal boxes and lids or any other electrically conductive material.

The electrical connection to the 230 VAC must be done with suitable conductors and the cables/wires with no less than 0.75mm².

Pay attention to the entry of the Bus cables and the entry of the probes. The two lines must be separated.



Pay attention to the connection of data bus connector wires, taking care that the wires are not inverted. In the event of a reversal of wires they may break..



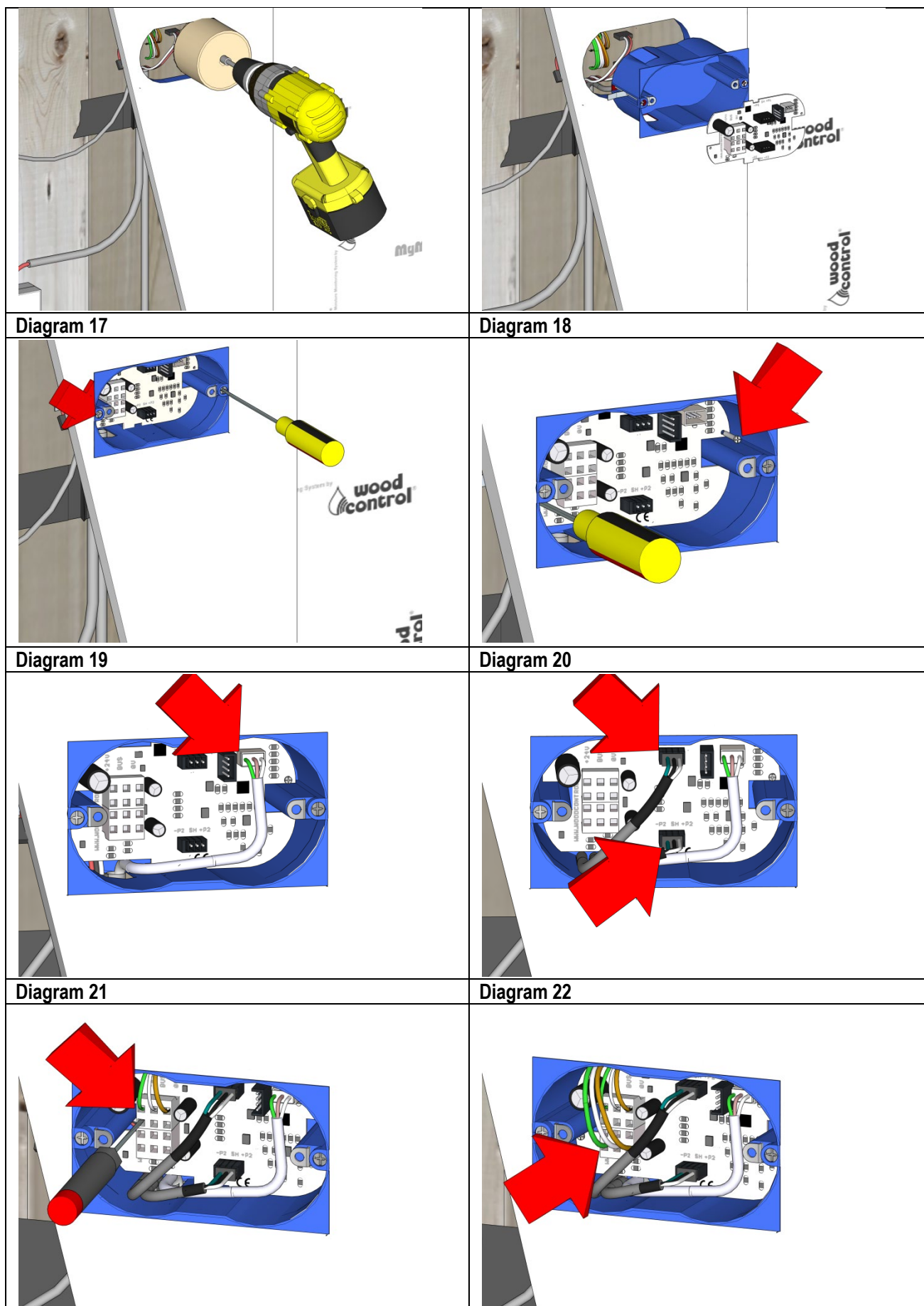
- 15) Drill the wall with a holesaw drill bit Ø 68 mm (Diagram 15).
- 16) Put all components into the light wall (Diagram 16).
- 17) Fix the case on the light wall (Diagram 17)
- 18) Attach the sensor to the case, prepare the cables for connection (Diagram 18).
- 19) Connection Temperature Probe to the sensor (Diagram 19)
- 20) Connect the Moisture Probes to sensor (Diagram 20).
- 21) Connect the communication bus cable between the sensors (Diagram 21).
- 22) Connect the communication bus cable between the sensor and Power Unit (Diagram 22)
- 23) End to connection (Diagram 23)
- 24) Protect the MySenseBus sensor with a cover - plate (Diagram 24)

Diagram 15

Diagram 16



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