MyControl CPU is the control unit that can manage both the sensors connected via the MySenseBus cable and the MySenseRadio Wireless sensors.

The control unit has integrated a local WiFi connection, which can be managed from any device (smartphone, tablet, PC...) via a simple IP address, without the need to install a special APP.

From the connected device you can:

- enable and disable sensors
- enable and disable the individual probes
- assign the name to each individual sensor
- silence the audible alarm
- check the humidity of the wood in real time
- check the historical data of humidity and temperature of each sensor

In the event of a risky condition, the control unit alerts the user via an audible alarm (which can be silenced) by signaling the sensor concerned. In addition, through a self-diagnosis program, if one of the sensors does not communicate with the control unit, an alarm is activated, indicating the sensor affected by the anomaly (failure or breakage).

From the WoodControl website it is possible to access the data remotely.

MyControl CPU

Control unit housed in a 199.3x142.8 mm flush-mounted box for light walls, with integrated WiFi and alarm buzzer.

Possibility to connect up to 16 sensors (32 reading points), both via cable and WiFi.

Item code

E.100



MyControl CPU Specifications

Data reception:	via low voltage cable / wireless
Total connectable devices:	max 16 sensors
Connectable devices per line:	max 8 sensors via cable
Bus exit lines:	3 lines (100 meters per line)
Alarm buzzer:	can be deactivated
Data update:	once per hour for bus connection / once every 2 hours for wireless connection
Data history:	every 2 days
Power supply:	110-230 VAC
Operating temperature:	0 - 60 ° C
Connection and configuration:	local WiFi
Data transmission:	SIM card
Consumption in Watts:	1.7 - 8 W



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
- \bullet 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% singlephase, 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.





MyControl CPU

- 1) WiFi range is about 10 meters.
- 2) Power supply 230 VAC
- 3) Line 1 (connection with Bus to the sensor MyMeter) maximum lenght 100 meters.
- 4) Line 2 (connection with Bus to the sensor MyMeter) maximum length 100 meters.
- 5) Line 3 (connection with Bus to the sensor MyMeter) maximum lenght 100 meters.
- 6) Holes for screwing onto the junction box
- 7) Alarm buzzer
- 8) WiFi antenna sensors
- 9) Connection of the MyAlarm cable.
- 10) Holes for screwing onto the junction box.





eCentrel er CPU l

Meter

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

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





Step 1 installing MyControl CPU and MyAlarm

- 47) Put the cable ducting in place with the BUS connection cable between the probes and the CPU (Diagram 47).
- 48) Put the cable ducting in place with Alarm Cable (Diagram 48)
- 49) Put the cable ducting in place with the 230 VAC power cable/lead for the control unit (Diagram 49).
- 50) Put the bus cable (Diagram 50)
- 51) Put the alarm cable (Diagram 51)
- 52) Put the power cable 230 VAC (Diagram 52)







Step 2 Connecting MyControl CPU and MyAlarm

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.

- 53) Drill the wall with a holesaw drill bit Ø 68 mm for the case of MyControl CPU (Diagram 53).
- 54) Drill the wall with a holesaw drill bit Ø 68 mm for the case of MyAlarm (Diagram 54).
- 55) Encase the case of the MyControl CPU and MyAlarm (Diagram 55).
- 56) Fix the case on light wall (Diagram 56)
- 57) Connect the line BUS to MyControl CPU (Diagram 57)
- 58) Connect the line BUS to MyControl CPU if necessary (Diagram 58)
- 59) Connect the power supply 230 VAC to MyControl CPU (Diagram 59)
- 60) Fix the case of MyAlarm to light wall (Diagram 60)
- 61) Connect tha alarm cable to alarm Led (Diagram 61)
- 62) .Close the Alarm Led with QR Code cover (Diagram 62)
- 63) Fix the screw of the covers (Diagram 63)



Diagram 55









