

## Information

MyCPU 100 is the control unit that can simultaneously 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.

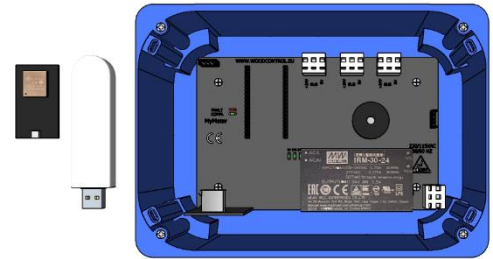
From the connected device you can:

- enable and disable the 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 single 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 affected sensor.

Furthermore, 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).

Connection to the WoodinCloud service is guaranteed via a 4G / 5G SIM data USB modem key.



MyCPU 100 (Product code E.001) includes:

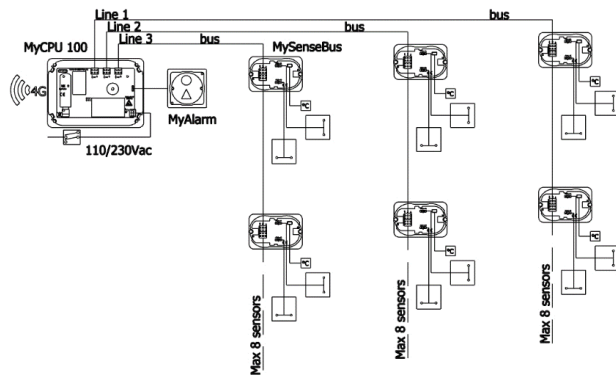
- E.101 Power Unit
- E.102 WiFi ESP 32 DEV KIT ultralow power expressive
- E.103 Case for light wall (GW 850°C) dimension 199,4x144,3x70 mm
- E.104 White cover
- E.999 MyGSM - GSM 4G/5G with SIM

## Specification

Data reception:	bus cable
Bus exit line:	3 line (maximum length bus 100 m for line)
Total connectable devices:	max 100 sensors bus / wireless <ul style="list-style-type: none"> <li>• until 24 MySenseBus (max 8 for line)</li> <li>• until 100 MySense4</li> <li>• until 100 MySenseRadio</li> </ul>
Operating temperature:	0 – 60° C
Electricity consumption:	1,7 – 30 W
Supply:	90 - 254 Vac / 50 – 60 Hz
Connection and configuration:	WiFi
Transmission to the cloud:	USB 4G/5G wit Data SIM
Buzzer:	can be deactive
Data updating:	1 time/hour
Data local history:	every 2 days (max 99 readings)
Data cloud hostory:	every 8 hours

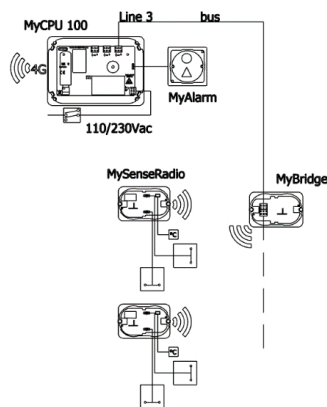
Connection

	<p>Info MyCPU 100</p> <ul style="list-style-type: none"> <li>• USB modem 4G/5G</li> <li>• Exit for board MyModbus</li> <li>• WiFi for configuration MyCPU 100</li> <li>• Exit line 1, 2 e 3 for the connection fo sensors MySenseBus or MyBridge</li> <li>• Exit MyAlarm</li> <li>• Supply 110/230Vac</li> </ul>
<p>Connection supply 110 – 230Vac</p>	<p>Connection MyCPU 100 and MyAlarm</p>
<p>Connection MyCPU 100 and MySenseBus</p>	<p>Connection MyCPU 100 MyBridge and MySenseRadio</p>
	<p>Case for drywall (GW 850 °C)</p>



- The connection bus line must be independent and divided from the one normally used at 230 Vac.
- Length of the connection bus cable between the MyCPU 100 control unit and the MySenseBus sensors: max 100 meters.
- MySenseBus sensors that can be connected in the same line: max 8.
- Total MySenseBus sensors that can be connected: max 24.

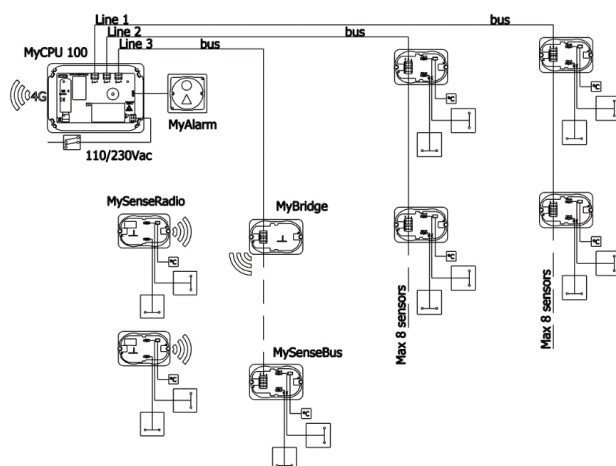
Example:  
Connection MyCPU 100 to MyBridge via bus MySenseRadio in wireless



Specifiche:

- Lunghezza del cavo bus di collegamento tra centralina MyCPU 100 e i ricevitori MyBridge: max 100 metri.
- Sensori MySenseRadio collegabili: max 100.

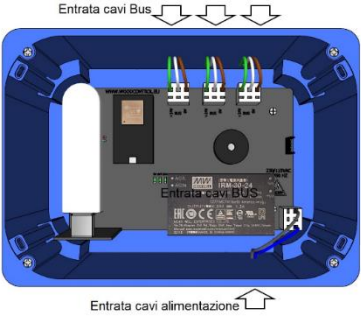
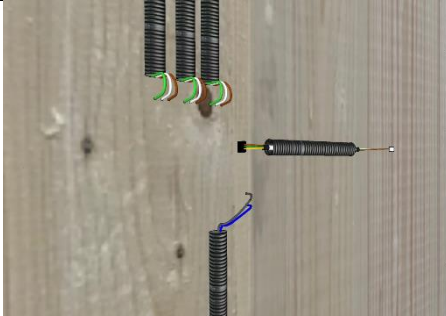


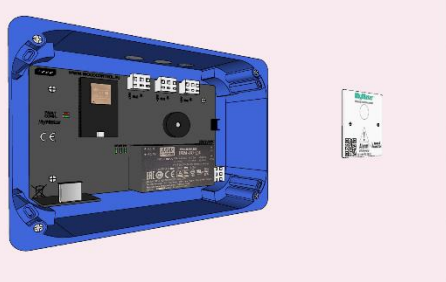
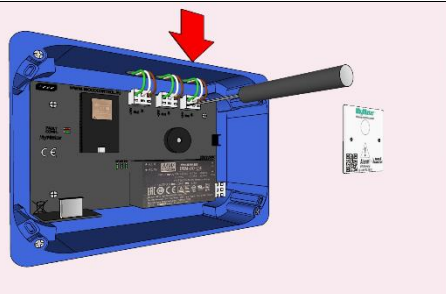

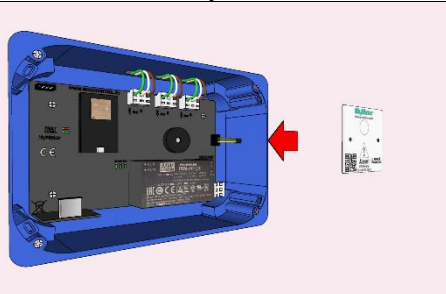
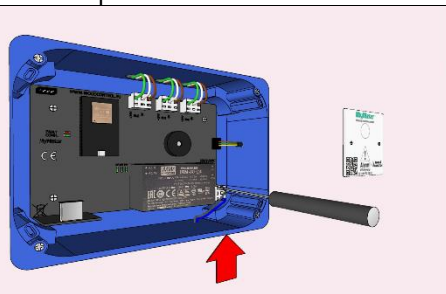
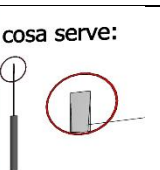
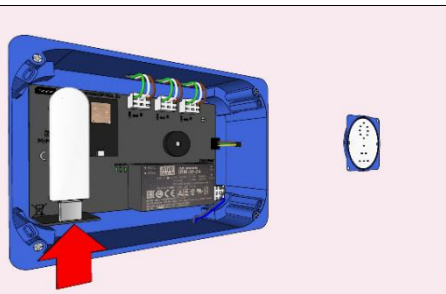
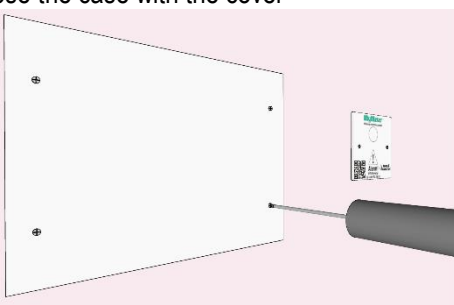
Esempio:  
connection between MyCPU 100 control unit and MyBridge via bus and MySenseRadio wireless



- The connection bus line must be independent and divided from the one normally used at 230 Vac.
- Length of the connection bus cable between the MyCPU 100 control unit and the MySenseBus sensors or the MyBridge receiver: max 100 meters.
- MySenseBus sensors that can be connected in the same line: max 8.
- Total MySenseBus and MySenseRadio sensors that can be connected: max 100 (up to 24 MySenseBus and the remaining MySenseRadio).

The connections and installation must be carried out by qualified personnel and performed in accordance with EN (or equivalent of a Member State) for installations in the European Union, or according to the standards of your country. Where required, the mains power supply requires a nominal voltage of AC  $\pm 10\%$  single-phase, without earth connection, and the electronic boards must be inserted in the appropriate electrical boxes to thus form a double insulation circuit. The use of metal boxes and lids or any other electrically conductive material is prohibited. The connection of the electric line to the potential of 110/230 VAC must be done with conductors with a section not less than 1.5mm<sup>2</sup> with suitable cable or wire for this electric potential. The MyCPU 100 control unit must be sectionable by means of a magneto-thermal switch.

## Installation

<p>Power cable and bus cable must be divided</p> 	<p>Place the tubes/cables in the wooden wall</p> 
<p>Drill the drywall for the case</p>  <p>cosa serve:</p> 	<p>Put the case into the drywall</p> 
<p>Connect the bus</p>  <p>cosa serve:</p> 	<p>Connect the cable of MyAlarm</p> 
<p>Connect the power cable</p>  <p>cosa serve:</p> 	<p>Insert the USB 4G/5G</p> 
<p>Close the case with the cover</p>  <p>cosa serve:</p> 