

## Information

MySenseRadio is the humidity sensor recommended for existing homes, temporary renovations and monitoring, where it is not possible to bring the cable signal to the MyCPU 100 control unit.

The MySenseRadio sensor, combined with the new MyBridge receiver, also allows you to manage the system in large buildings, such as condominiums and multi-storey structures.

The MySenseRadio sensor sends the data to the MyBridge receiver connected to the MyCPU 100 control unit via bus cable.

It is battery powered (estimated duration 5 years \*) and is housed in normal electrical boxes. The sensor is equipped with two adjustable humidity probes which allow to reach the sensitive points of the structure

\* *battery life can be affected by factors such as temperature, humidity etc ...*



MySenseRadio (Product code E.004) includes:

- E.401 Moisture sensor and temperature wireless
- E.302 Case for drywall (GW 850°C) dimension 110x72,5x50 mm
- E.733 n° 2 Moisture probes L=3 m Electrodes in stainless steel L=100 mm Gel Box\*\*
- E.799 Temperature probe L=1 m

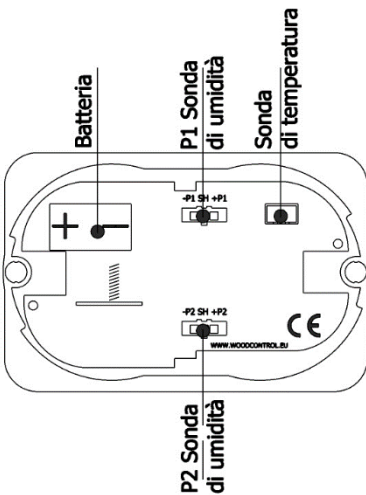
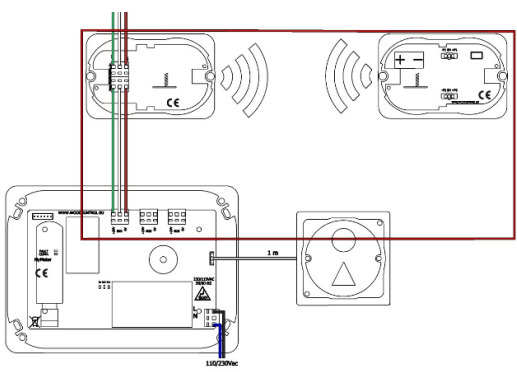
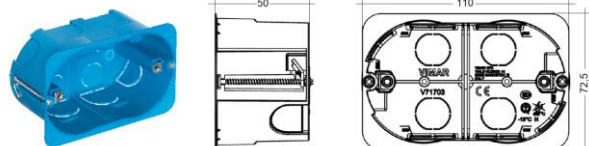
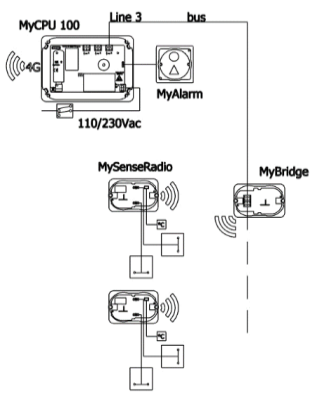
\*\**other measures on request of the electrodes and of the probe cable*

## Specification

Data transmission:	wireless 433,92 MHz
Total connectable devices:	until 100 MySenseRadio
Connectable devices for line:	until MyBridge
Operating temperature:	0 – 60° C
Trasmission distance:	about 50 m
Supply:	battery 3,6 Vdc ½ AA
Battery life:	5 years*
Data updating:	1 time/hour
Moisture reading range:	10 – 32%
Temperature reading range:	0 – 60° C

\* *battery life can be affected by factors such as temperature, humidity etc ...*

## Connection

<p>MySenseRadio</p> 	<p>Connection MyCPU 100 MyBridge and MySenseRadio</p>  <p>Case for drywall (GW 850 °C)</p> 
<p>Example: connection between MyCPU 100 control unit and MyBridge via bus and MySenseRadio wireless</p>	
	<ul style="list-style-type: none"> <li>• Length of the connection bus cable between the MyCPU 100 control unit and the MyBridge receivers: max 100 meters.</li> <li>• Connectable MySenseRadio sensors: max 100.</li> </ul>
<p><i>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 ± 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.</i></p>	

## STEP 1 Electrodes placement

Prepare the Gel Box			
<ol style="list-style-type: none"> <li>1) Open the Gel Box and remove the gel from the bottom</li> <li>2) Close the Gel Box e turn it over</li> <li>3) Place the guide and drill the back of the Gel Box</li> <li>4) Gel Box is ready</li> </ol>			
Mark the points where to insert the electrodes	Drill with the supplied bit and guide	<p>cosa serve:</p> <p>in dotazione:</p>	
Screw the electrodes and the Gel Box	Fix the probe to electrodes	<p>cosa serve:</p> <p>in dotazione:</p>	<p>in dotazione:</p>
Put the gel in the Gel Box	Close the Gel Box		
Add the other electrodes	Place the temperature probe	<p>cosa serve:</p>	<p>cosa serve:</p>

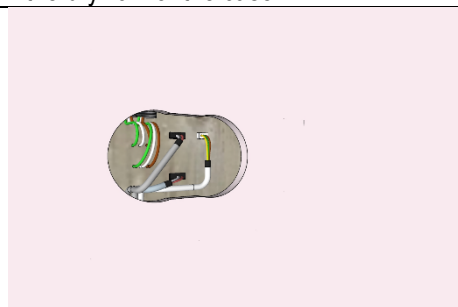
Place the drywall

**STEP 2 Connect the sensors**

Place the probes and bus on the wooden wall



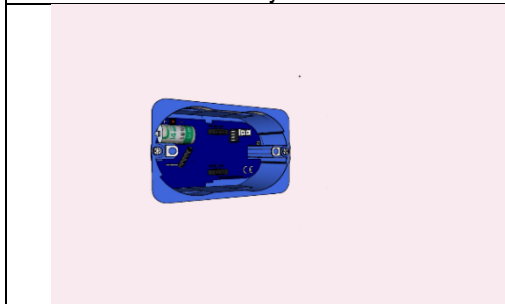
Drill the drywall for the case



cosa serve:



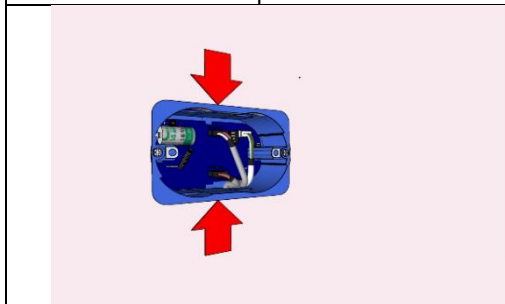
Put the case into the drywall



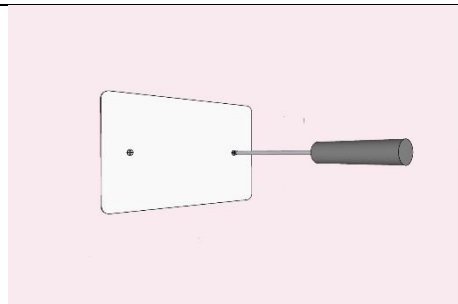
Connect the temperature probe



Connect the moisture probes



Close the case with the cover



cosa serve:

