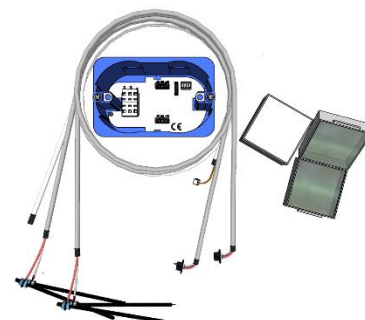


Information

MySenseBus is the humidity sensor recommended for newly built homes, where, via a low voltage cable, the sensors are connected in series to the MyCPU 100 control unit. The series connection between sensors and control unit via cable guarantees data transmission safety. even on long distances, up to 100 meters in length of the bus cable. The sensor is equipped with two adjustable humidity probes which allow to reach the sensitive points of the structure.



MySenseBus (Product code E.003) includes:

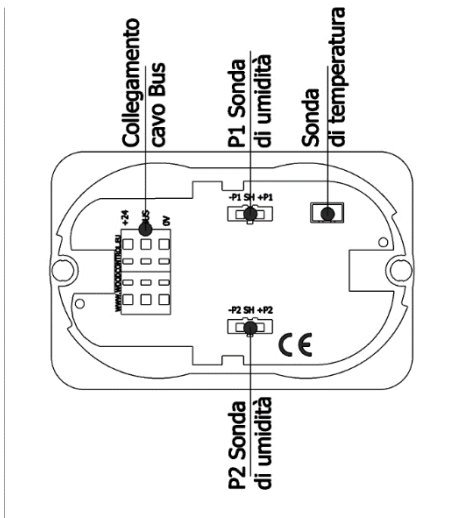
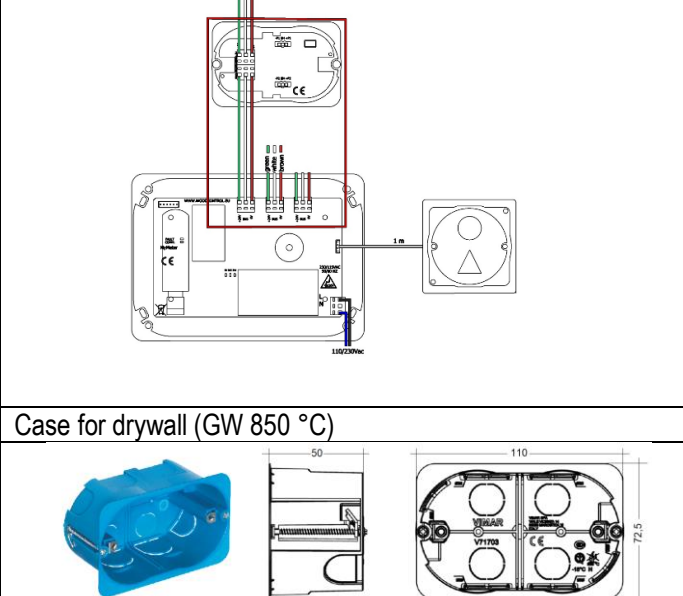
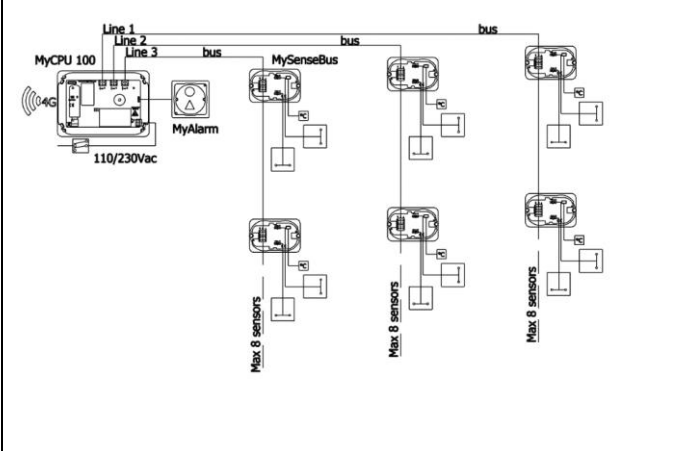
- E.301 Moisture sensor and temperature by bus cable
- E.302 Case for drywall (850°C) dimension 110x72,5x50 mm
- E.733 n° 2 Moisture probes L=3 m Electrodes in stainless steel L=100 mm Gel Box**
- E.799 Temperature probe L=1 m

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

Specification



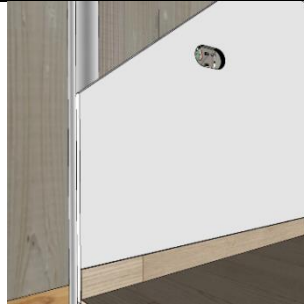
Data transmission:	bus cable
Total connectable device:	until 24 MySenseBus
Connectable device for line:	until 8 MySenseBus
Operating temperature:	0 – 60° C
Transmission distance:	100 m by bus cable
Electricity consumption:	1,5 W
Supply:	bus cable 24Vdc
Data updating:	1 time/hour
Moisture reading range:	10 – 32%
Temperature reading range:	0 – 60° C

Connection


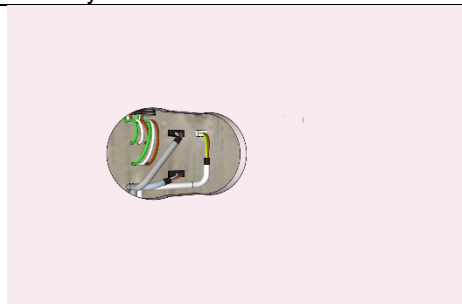

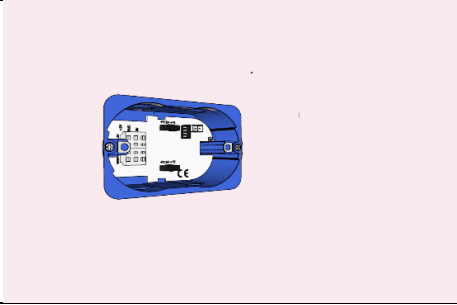
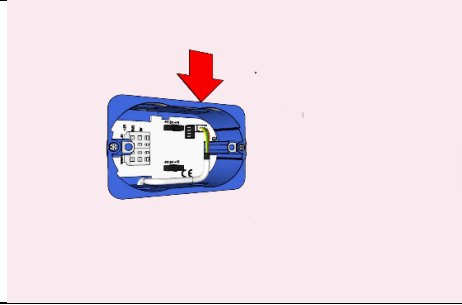
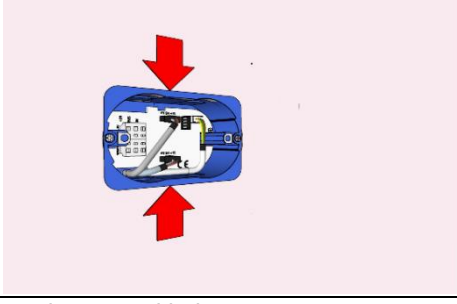
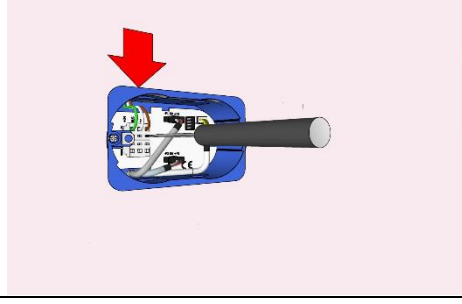
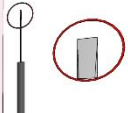
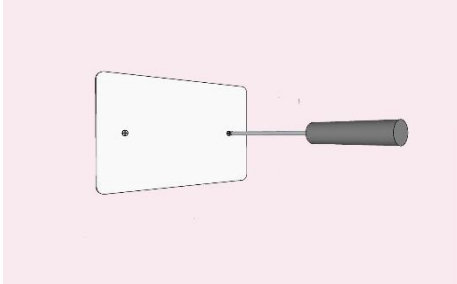
<p>MySenseBus</p> 	<p>Connection MyCPU 100 and MySenseBus</p>  <p>Case for drywall (GW 850 °C)</p>
<p>Example: connection MyCPU 100 control unit and sensors MySenseBus</p>	
	<ul style="list-style-type: none"> • The connection bus line must be independent and divided from the one normally used at 230 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.
<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 1.5mm² 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"> 1) Open the Gel Box and remove the gel from the bottom 2) Close the Gel Box e turn it over 3) Place the guide and drill the back of the Gel Box 4) Gel Box is ready 	
Mark the points where to insert the electrodes	Drill with the supplied bit and guide
	<p>cosa serve:</p> <p>in dotazione:</p>
Avvitare gli elettrodi (con la chiave in dotazione) e la 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 tube for the bus cable	Place the drywall
 <p>cosa serve:</p> 	

STEP 2 Connect the sensors

Place the probes and bus on the wooden wall	Drill the drywall for the case
	 <p>cosa serve:</p> 
Put the case into the drywall	Connect the temperature probe
	
Connect the moisture probes	Connect the bus
	 <p>cosa serve:</p> 
Close the case with the cover	
 <p>cosa serve:</p> 