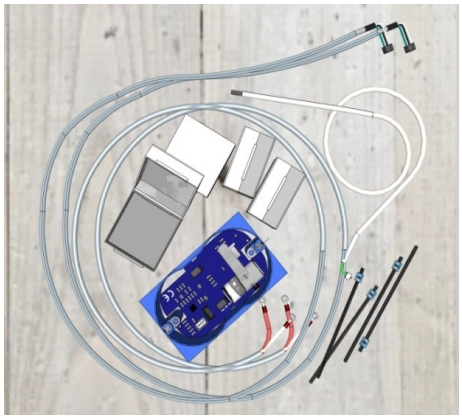
# MySenseRadio

MySenseRadio is the humidity sensor recommended for existing homes, renovations and temporary monitoring, where it is not possible to bring the cable signal to the MyControl CPU control unit. The data is sent between the sensor and the control unit via wireless communication. Battery powered (estimated life 10 years) and housed in normal electrical boxes.
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

## MySenseRadio

n ° 1 Wireless 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 probe cables on request



### Item code

E.4XX

### Specifiche MySenseRadio

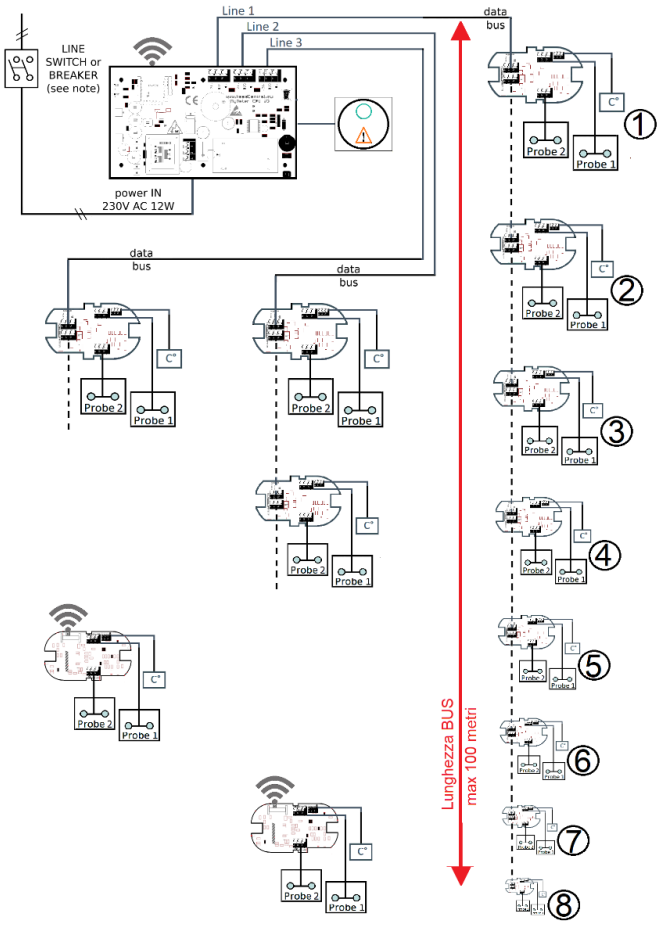
| | |
|---|---|
| Data transmission: | radio waves - wireless |
| Power supply: | 3.6V battery |
| Estimated battery life: | 10 years |
| Transmission distance: | 50 meters open field |
| Data transmission: | every 2 hours |
| Humidity measurement: | 10 - 32% |
| Operating temperature: | 0 - 60 ° C |

## 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 ± 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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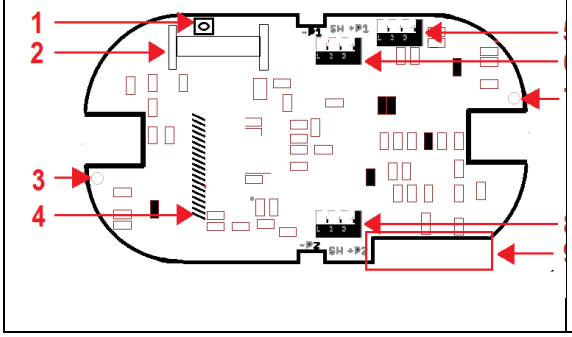
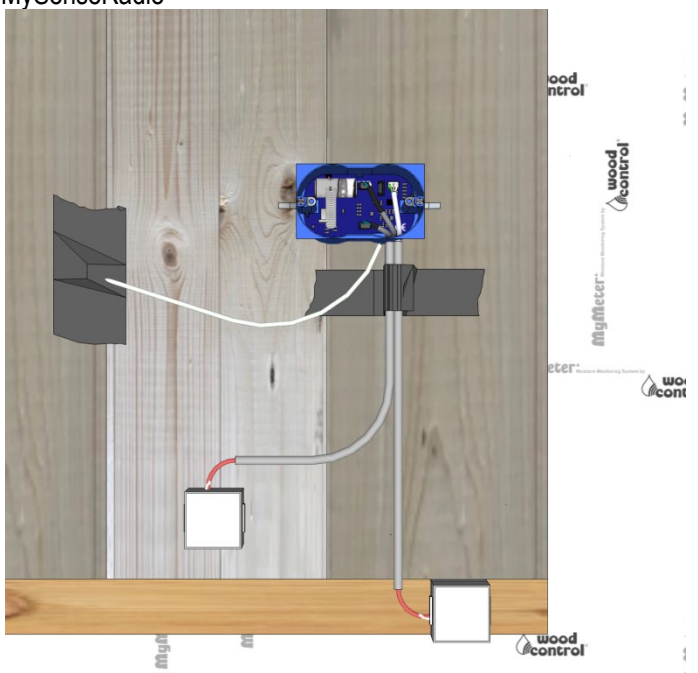
|---|---|
|  | MySenseRadio<br>1) Connection button<br>2) Battery housing<br>3) Holes for attaching to case.<br>4) Antenna WiFi sensors<br>5) Connection to temperature probe<br>6) Entry for the moisture probes.<br>7) Holes for attaching to case.<br>8) Entry for the moisture probes.<br>9) . Entry for the moisture probes. |

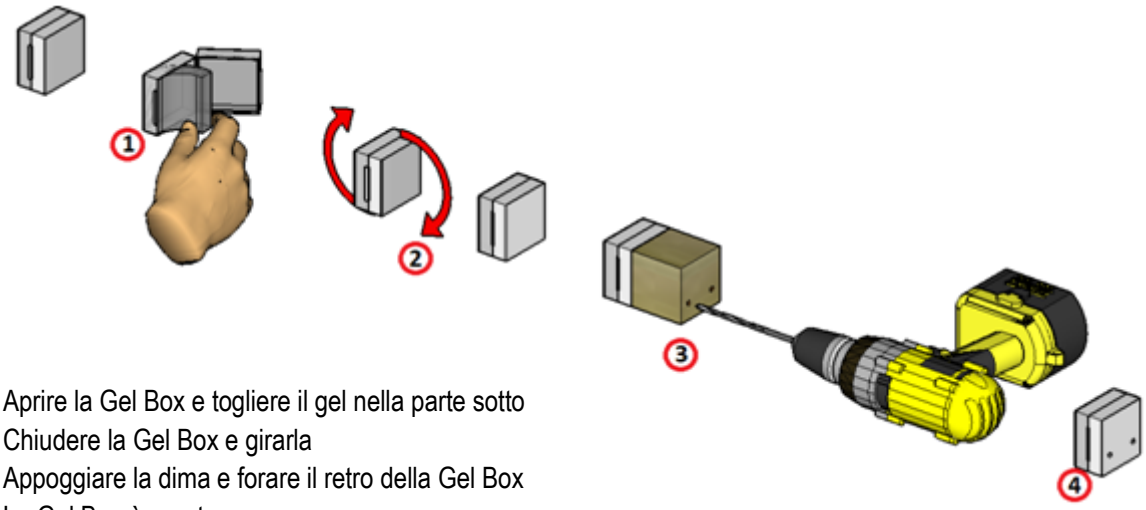
| | |
|---|---|
| MySenseRadio<br>  | For the installation of the MySenseRadio sensor, the procedure is identical. Bus cable connections are not considered (points 1 and 2 of the previous figure) |

## Step 1 Installing MySenseRadio

25) Prepare GEL BOX for the electrodes (Diagram 25)
26) Mark position where electrodes are placed (Diagram 26).
27) Position the DRILL GUIDE in the center and drill with provided drill bit (Diagram 27).
28) Drill until you reach the necessary depth to screw in the electrodes (Diagram 28).
29) Screw the electrodes with GEL BOX onto wood using supplied screwdriver (Diagram 29).
30) Attach the wires of the PROB (Diagram 30)
31) Supplied NUT DRIVER (Diagram 31).
32) Insert gel into GEL BOX (Diagram 32).
33) Close GEL BOX (Diagram 33)
34) Mark position where to place PROBE 2 cable (Diagram 34).
35) Repeat for the installation of second moisture probe (Diagram 35)
36) Fix the Moisture Probe with masking tape (Diagram 36).
37) Position TEMPERATURE PROBE to wall and fix its with masking tape (Diagram 37)

# MySenseRadio

**Diagram 25**




1) Aprire la Gel Box e togliere il gel nella parte sotto
2) Chiudere la Gel Box e girarla
3) Appoggiare la dima e forare il retro della Gel Box
4) La Gel Box è pronta

**Diagram 26**

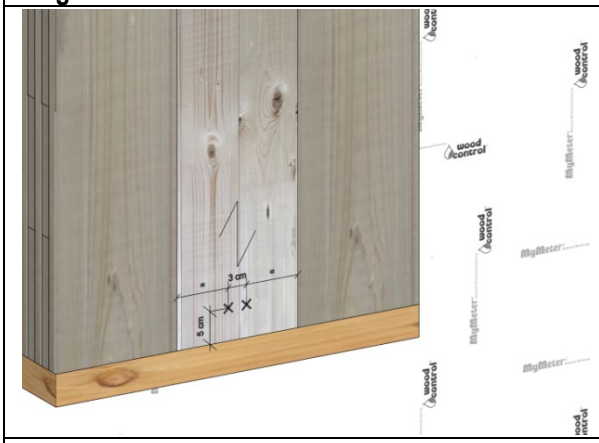



**Diagram 27**

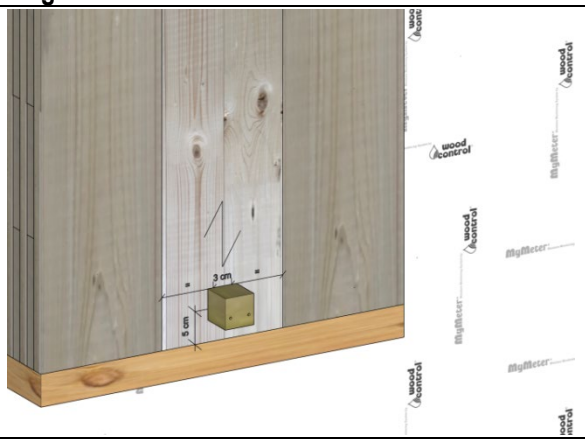



**Diagram 28**

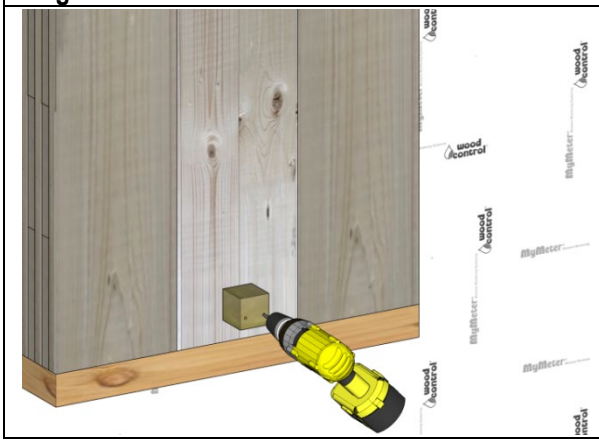
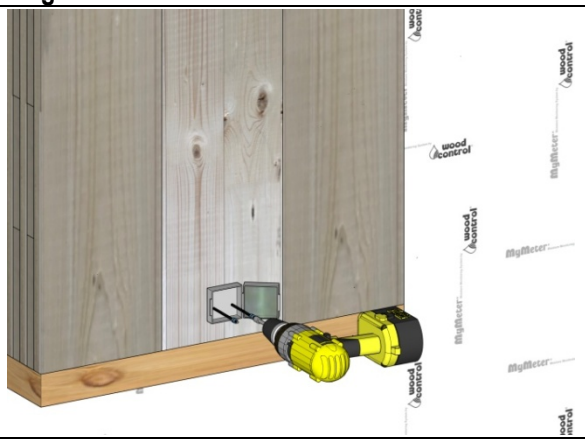


**Diagram 29**



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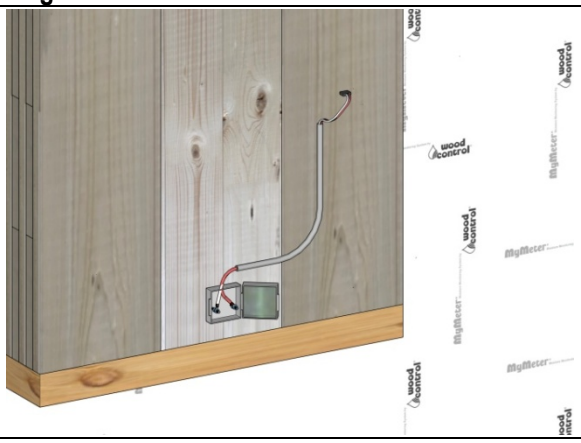
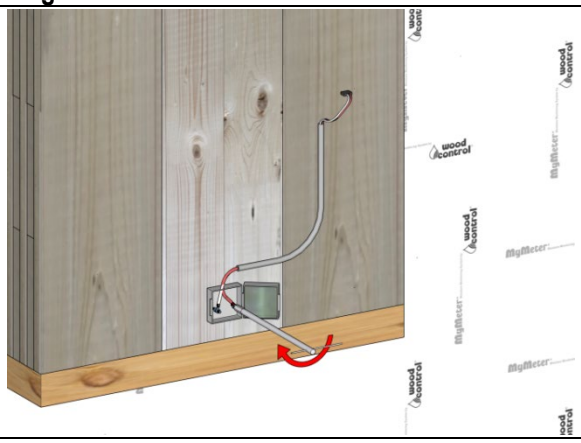
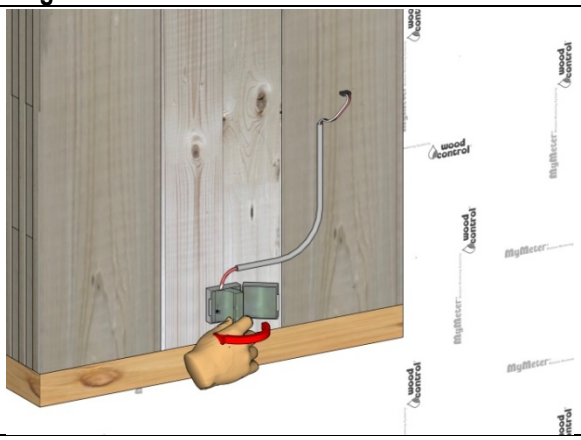
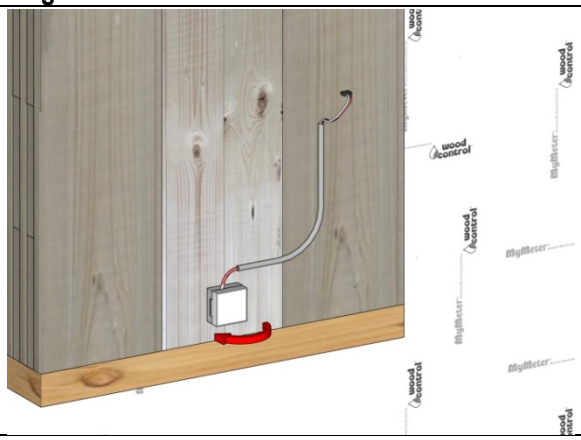
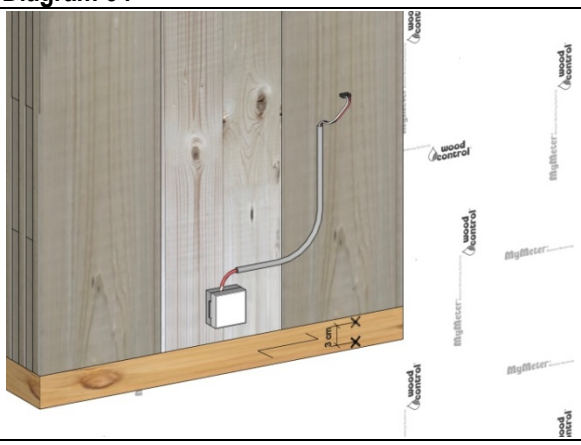
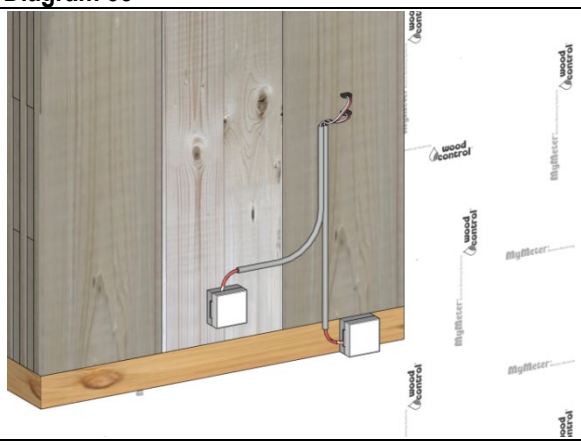
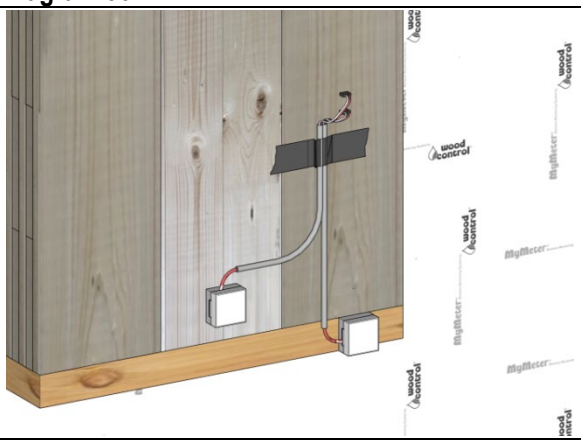
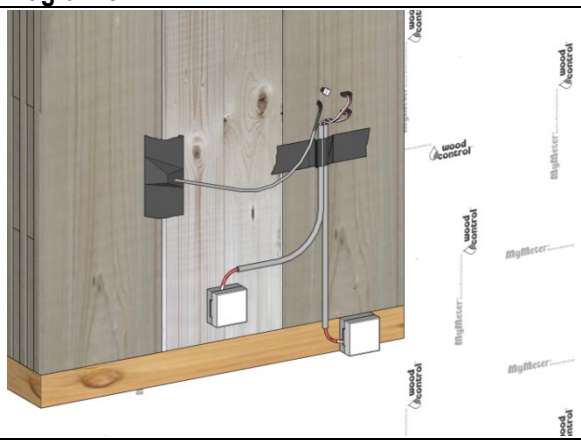
| Diagram 30 | Diagram 31 |
|---|---|
|  |  |
| **Diagram 32** | **Diagram 33** |
|  |  |
| **Diagram 34** | **Diagram 35** |
|  |  |
| **Diagram 36** | **Diagram 37** |
|  |  |

## MySenseRadio

### Step 2 Connecting MySenseRadio

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 ± 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.


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

38) Drill the wall with a holesaw drill bit Ø 68 mm *(*Diagram *38).*
*39)* Put all components into the MYSenseBus BOX *(*Diagram *39).*
*40)* Fix the case on the light wall (Diagram 40)
*41)* Attach the sensor to the electrical box, prepare the cables for connection *(*Diagram *41).*
*42) Connection Temperature Porbe tu the sensor (Diagram 42)*
*43)* Connect the moisture probe to sensor*(*Diagram 43*).*
*44) Insert the battery (Diagram 44)*
*45) End to connection (Diagram 45)*
46) *Protect the MySenseBus sensor with a cover - plate (Diagram 46)*

**Figura 38**

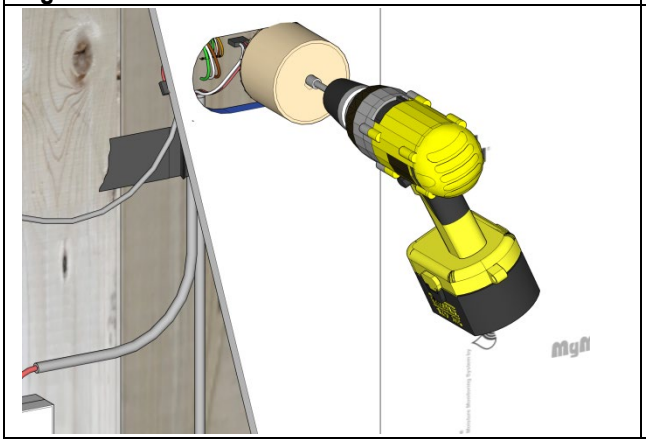
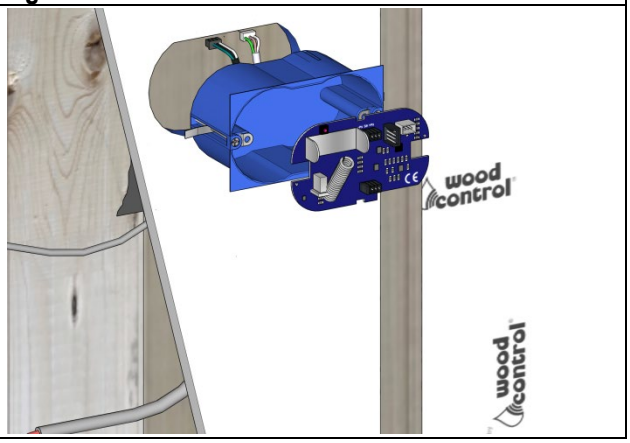


**Figura 39**



# MySenseRadio

**Figura 40**

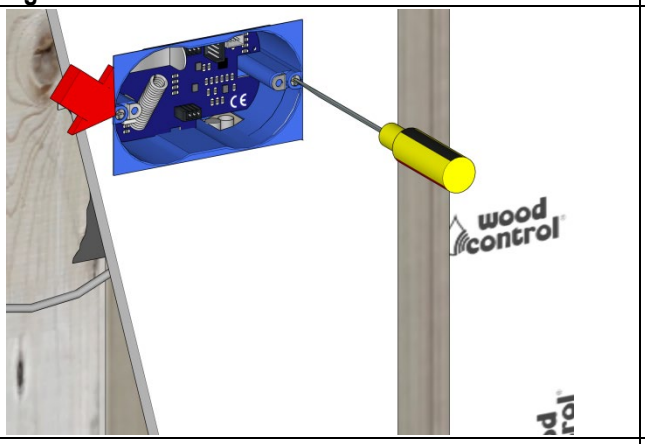


**Figura 41**

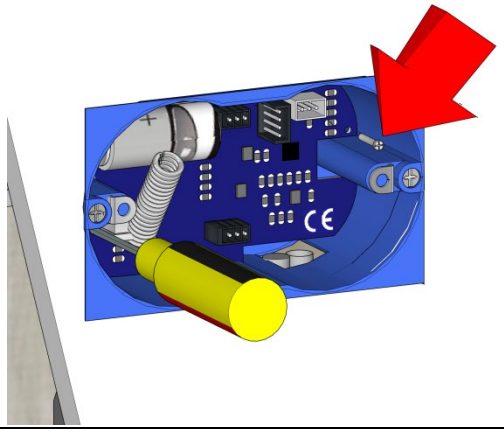


**Figura 42**

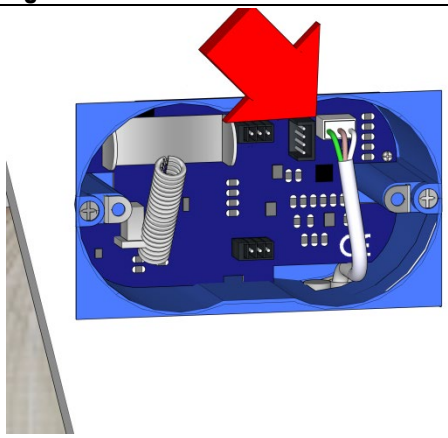


**Figura 43**

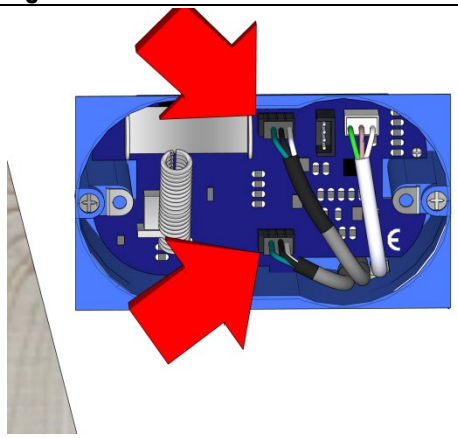


**Figura 44**

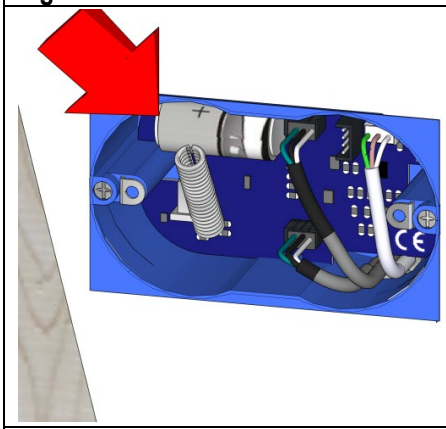


**Figura 45**

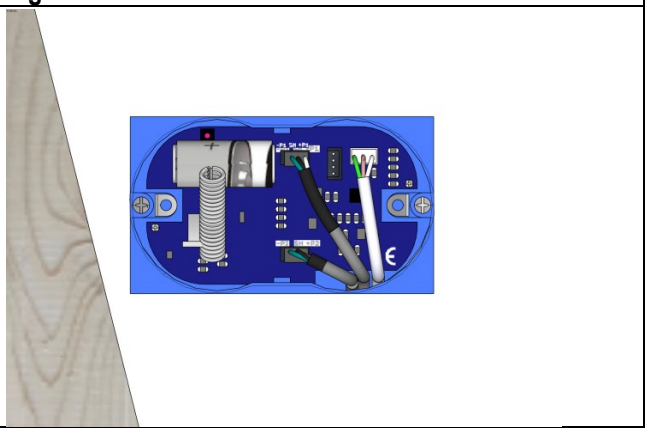


**Figura 46**