

User manual wireless soil moisture monitor with sensor



Installation of the sensor(s)



1. You can use the sensor both indoors and outdoors. Unscrew the cover at the bottom of the sensor and install 3X good quality AAA batteries (do not use rechargeable batteries). The green LED on the top of the sensor will illuminate for a few seconds.
2. **Important:** Inside the battery compartment, just above the batteries, there is a small black button with 3 positions (left, center and right). If you are using 1 sensor, put the black button in the left position and continue to point 3 below. If you are using 2 or 3 sensors (you can install up to 3 sensors), when installing the 2nd sensor, put the black button in the middle. When installing the 3rd sensor, the black button should be in the right position.
3. Put back the battery compartment cover and screw it back on.
4. You can also manually read the soil moisture percentage with the 2 black buttons on the top of the sensor. After the sensor has been installed correctly, press and hold the 2 black buttons simultaneously for 5 sec. firmly. If only the first red light comes on, the batteries need to be replaced. The current soil moisture percentage is displayed with the other 5 green LED's. If 1 LED is lit, the humidity of the soil is 20%, with 2 LED's 40%, with 3 LED's 60%, with 4 LED's 80% and with 5 LED's 100%. After 20 sec. all LED's turn off automatically.

Monitor Setup and Features

1. You can only use the monitor indoors. Install 2 good quality AAA batteries (do not use rechargeable batteries) in the battery holder on the back of the monitor and make sure the sensor is close to the monitor (so don't insert the sensor near the plant yet).
2. The monitor will now search for the signals from the sensor, which will take approximately 1 minute. You can now insert the sensor near the plant. In a free field, the range between the monitor

and the sensor is max. 60 M. In practice, the range will be less depending on the obstacles between the monitor and the sensor. An update of the data takes place every 6 minutes.

3. The CH button is located on the back of the monitor. By pressing this button you can see the results of the sensors you have installed. This only makes sense if you have started using more than 1 sensor. At the bottom left of the display you will see CH1, CH2 or CH3 with the corresponding measurement results from the different sensors. The temperature displayed is the temperature of the soil. If the sensor data search does not appear in the display, press for 5 sec. the CH button, and the monitor will search the signal from the sensor again. If it still fails, the sensor is too far away from the monitor and you should move the monitor closer to the sensor.

4. Next to the CH button you will find the Indoor Soil button. Pressing this button indicates the indoor temperature. If you press this button again you will see the soil temperature again. By long pressing this button you can set the temperature in degrees Celsius or degrees Fahrenheit.

5. The display shows:

- The indoor temperature or the soil temperature (your choice).
- The moisture percentage of the soil (0% - 100%). A plant with a normal (average) water requirement should not drop below 20% for a long time. In this case, water immediately, the display shows DRY. Between 20% and 60% the soil moisture value is good and the display shows OK. Above 60% the soil is too wet and the display will show WET.
- If the battery symbol is displayed in the upper left corner, you need to replace the batteries of the monitor.
- If the symbol of a battery is displayed at the bottom left, you need to replace the batteries of the sensor.
- If the display shows LL at the temperature, the temperature is lower than minus 10 degrees Celsius.
- If the display shows HH at the temperature, the temperature is higher than 60 degrees Celsius.

Warnings and Tips

- Do not use the sensor in freezing conditions, as this may damage the sensor.
- Remove the batteries from the monitor and sensor if you do not use them for a long time.
- If the measurement data does not seem to be correct, you should lightly sand the 3 metal pins of the sensor with a green kitchen sponge.