

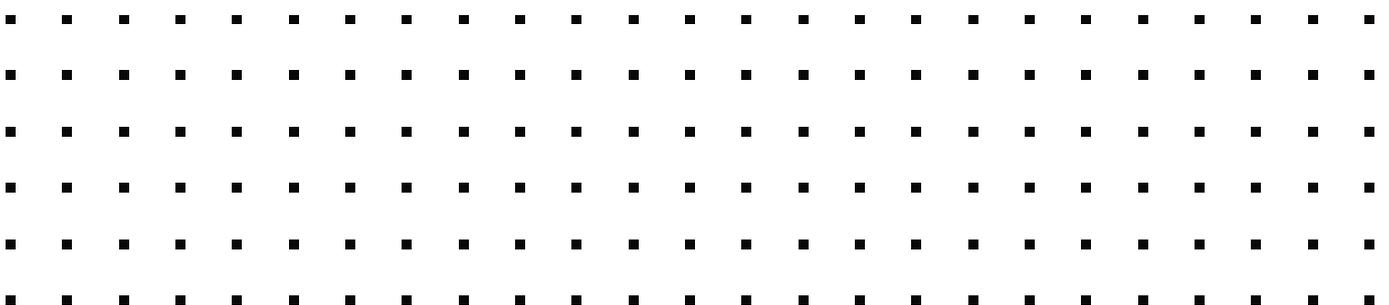


Aranet transmitters with power supply

user guide

Discover what type of transmitters there are, and how to connect and pair them with the base station.

2023-10-30

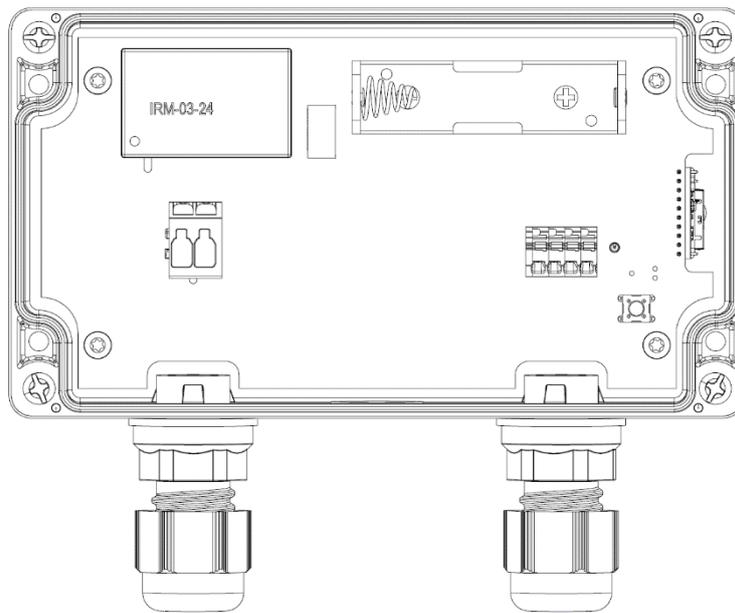


About the transmitters

Aranet offers four different transmitters that can be connected with third-party sensors and thus integrated into the Aranet ecosystem. Transmitters themselves are battery-powered, but can also be connected to mains electricity to power the third-party sensor.

Note that wiring instructions may differ depending on the end sensor type, model, and manufacturer. Please refer to the official documentation of the sensor. For wiring examples please see [Aranet Stem Diameter sensor](#) kit assembly instructions and [Aranet NH3 sensor kit](#) assembly instructions

If you experience any difficulties during the setup process, get in touch with support@aranet.com.



Visual 1: Aranet transmitter

- [**Aranet 4 – 20 mA transmitter with 12 VDC power supply \(datasheet\)**](#)
- [**Aranet 4 – 20 mA transmitter with 24 VDC power supply \(datasheet\)**](#)
- [**Aranet 0 – 10 V transmitter with 12 VDC power supply \(datasheet\)**](#)
- [**Aranet 0 – 10 V transmitter with 24 VDC power supply \(datasheet\)**](#)

Pairing the transmitter with the base station

Things to know before starting the pairing procedure:

- It is possible to pair the transmitter to the base station with or without the sensor connected.
- To pair the transmitter, the transmitter must be near the base station (max 20 m).
- When installing and placing the sensor note that the cable must be routed in a manner to obtain a “water/drip loop” for water to drop off. Do not stress the cable.

Option 1: How to pair the transmitter to the base station with batteries (recommended)

Pairing the sensor with the battery ensures an interrupted signal to the base station during the whole installation process, as well as in case of an electricity outage or sensing element failure.

1. Unscrew and take off the transmitter’s lid.
2. Have the transmitter and 1x AA battery ready.

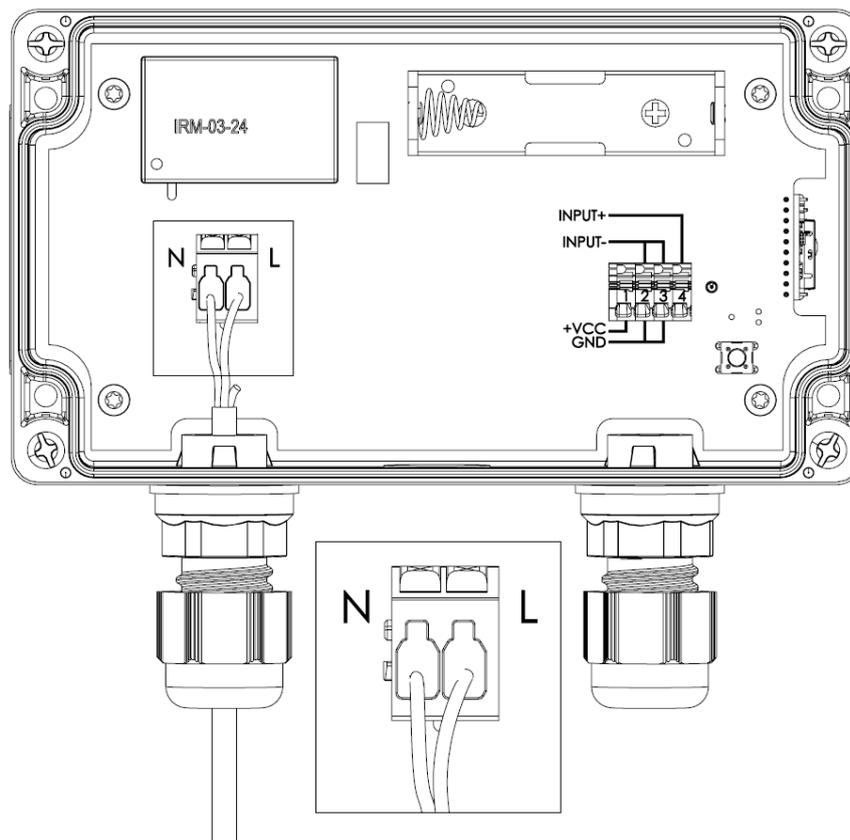
3. Open the base station WEB page (ensure that you have the latest firmware upgrade).
4. Open the section "SENSORS" and there choose the preferable measurement interval.
5. Click the "PAIR SENSOR" button on the computer screen and then immediately insert the batteries or insert batteries and click the "PAIRING" button on the transmitter (left corner).
6. The sensor will be paired and appear with a green corner.
7. You can finish your sensor setup and screw the lid back.

Option 2: How to pair the transmitter to the base station with mains power, without batteries

1. Unscrew and take off the transmitter's lid.
2. Connect the power cable to the transmitter.
3. Connect it to the power mains.
4. Open the base station WEB page (ensure that you have the latest firmware upgrade).
5. Open the section "SENSORS" and there choose the preferable measurement interval.
6. Click the "PAIR SENSOR" button on the computer screen and then click the "PAIRING" button on the transmitter (left corner).
7. The sensor will be paired and appear with a green corner.
8. You can finish your sensor setup and screw the lid back.

Connection to mains power	Cables
N – Neutral	Blue
L – Live	Brown
GND*	Green/yellow

*The wire should be clipped at the end.



Visual 2: Connecting the power cable to the transmitter

Finishing up the installation of the transmitter

If needed, the sensor can be either placed on a clean surface or attached to a wall.

1. Unscrew the transparent lid of the transmitter.
2. To attach the transmitter to a wall, use the 4 mount holes in each corner of the body transmitter.
3. Screw the transmitter to the wall.
4. Attach the transparent lid back.