Installation Guide - External leak sensor

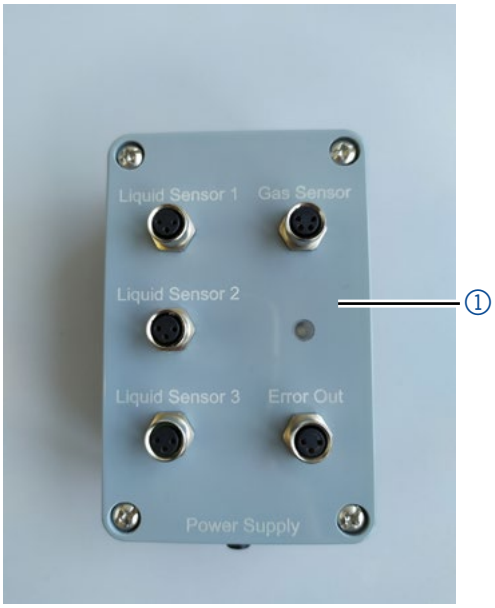
1. Mounting a distribution box 24V

Prerequisites

- The AZURA® Click rail has been mounted to the outer side panel of the AZURA L device according to V6711.

Note: The distribution box is equipped for the usage of one gas sensor and up to three leak sensors.

To mount the distribution box proceed as follows:

Process	Figure
1. Attach the distribution box ① to the AZURA Click carrier rail. 2. Connect the power adapter (G2142) to the power supply plug of the distribution box without plugging the power adapter into the socket. 3. Connect the first liquid sensor to the plug "Liquid Sensor 1", further liquid sensors to the plug 2 and 3. 4. Connect the prepared Error-Out cable to the plug „Error OUT". **Note:** To prepare the Error-Out cable see the next section.	 **Fig. 1:** Distribution box

Result The distribution box has been mounted.

1.1 Preparation of the Error-Out cable

Note: The pin header connection is needed to connect the sensors via the cable (M2891) with the Error-In pin of the device.

Prerequisites

- The device has been switched off.
- The power plug has been pulled.
- Check the pin header assignments in the manual of the device.
  The following pin header connections are needed:
  - Error IN
  - GND

Tool

- Depressor tool

NOTICE

Electronic defect

Connecting cables to the multi-pin connector of a switched on device causes a short circuit.

➔ Turn off the device before connecting cables.

➔ Pull the power plug.

NOTICE

Electronic defect

Electrostatic discharge can destroy the electronics.

➔ Wear a protective bracelet against electrostatic discharge and ground.

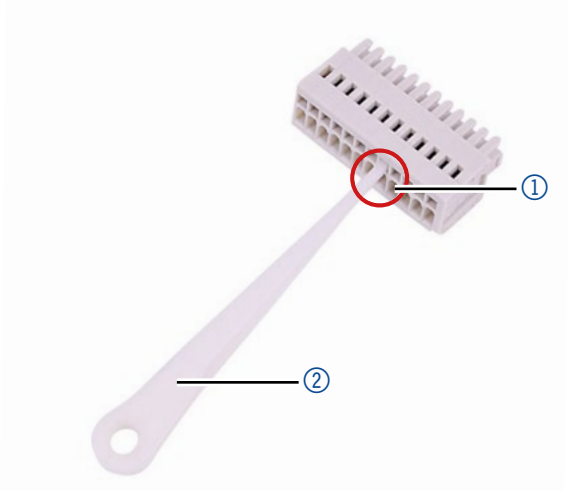
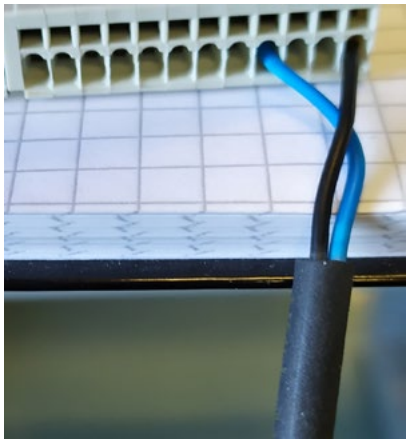
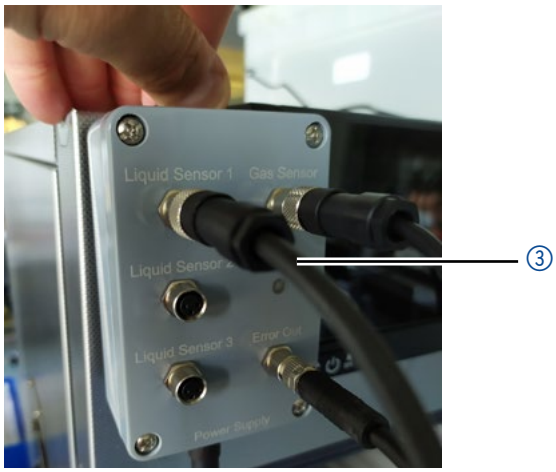
Process	Figure
1. Insert the depressor tool ② into one of the small openings in the upper row of the terminal strip ① .	

Fig. 2: Pin header

Process	Figure
2. Lead the blue cable to the opening 2 of the pin header position “Error IN” of the device. **3.** Pull the black cable to the opening 2 of the pin header position „GND“ of the device. **4.** Pull out the depressor tool.	 **Fig. 3:** Prepared Error-Out cable
5. Connecting the Error-Out cable to the “Error OUT” plug ③ of the distribution box.	 **Fig. 4:** Fully connected distribution box (one leak sensor, one gas sensor and Error-Out cable)

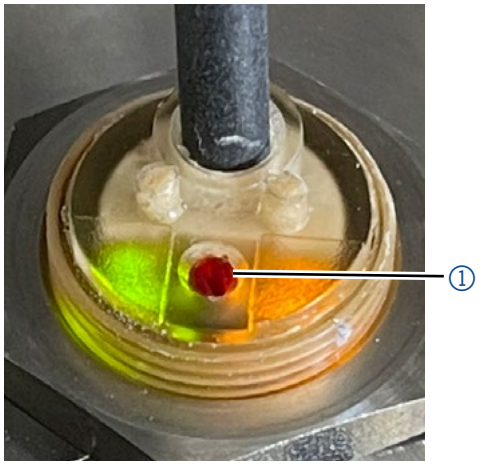
Result The Error-Out cable has been prepared.

2. External leak sensor setup

The sensor is equipped with a potentiometer to adjust the sensitivity. The sensor is ready for usage when both LEDs (yellow and orange) are glowing. If a liquid is detected, the orange LED turns off and only the yellow LED is glowing.

To adjust the sensitivity, proceed as follows:

Tools ▪ Screwdriver, size SL3

Process	Figure
1. To adjust the potentiometer turn the red button ① with a screwdriver SL3 clockwise until the orange lamp turns off. **2.** Then screw the potentiometer counterclockwise until both lamps turn on.	 **Fig. 5:** Adjusting the sensitivity
3. Check the sensitivity of the sensor by bringing 1 - 3 ml of liquid underneath the sensor. Use a polar eluent which has been used before, because the leak sensor does not detect strong unpolar solvents. **4.** The orange lamp turns off. **Note:** If the orange lamp does not turn off, increase the sensitivity by screwing the potentiometer clockwise.	 **Fig. 6:** Checking the sensitivity