

Installation Instructions



Installation Instructions FG-PROBE



2 Power Recommendations

■ Power Supply:

120 VAC/24 VAC

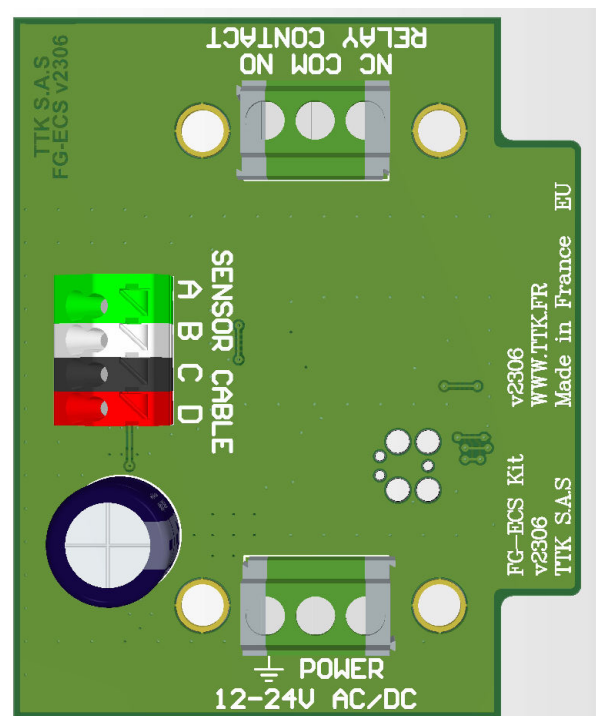
Use the power adaptor included and connect to the FG-PROBE. Connect the two power wires to the terminals labeled "POWER" located adjacent to the ground symbol. The connection can be made in either direction.



3 Circuit Board Connection

■ Relay for leak and power failure:

Relay:	COM-NO-NC
Max. commutated Voltage:	125 VAC / 60 VDC
Max. commutated Power:	62,5 / 30 W
Max. commutated Capacity:	1A
Nominal load:	0,5 A with 125 VAC 1 A with 24 VDC
Working load min.:	5 VDC - 1 mA



1 FG-PROBE Stand-alone Sensor Description

- The FG-PROBE Stand-Alone Sensor is designed for water leak detection. It features a high-visibility LED indicator and two stainless steel probes, spaced 0.8 inch (2 cm) apart.

- When a leak occurs, the LED indicator flashes red instantly.
- The relay switches during a leak or a power failure.
- Once the alarm ends, the LED indicator flashes green, and the relay returns to its initial position.

■ FG-PROBE Stand-alone Sensor contains:

- 1 FG-PROBE Stand-Alone Sensor
- 1 Power Adaptor (120 VAC/24 VAC)
- 1 Installation Instructions

4 Installation Steps

Power Connection to the Stand-Alone Sensor:

Refer section 'Power Recommendations'.

Connection of the Relay:

The relay is potential-free. The maximum cable section is of 14 AWG.

In the event of leak, cable break, or power supply failure, the triggered relay sends information to a PC (or supervisor), enabling control of automated equipment.

Installation of the Stand-Alone Sensor:

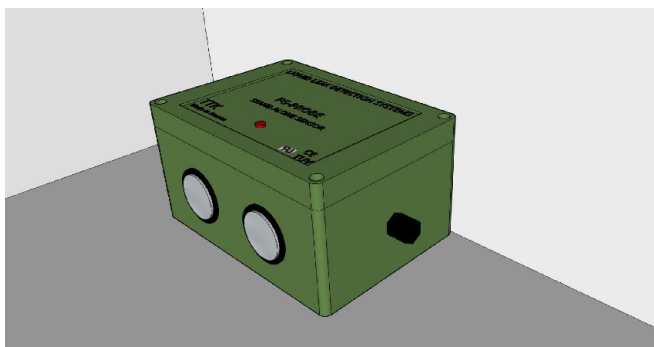
The FG-PROBE is designed for quick and easy installation, with two possible mounting configurations:

- **Vertical:** fixed to a wall, with probes facing downward (schematic 1);
- **Horizontal:** flat on the floor, with probes on the side (schematic 2).

All terminal connections should be made with the FG-PROBE Stand-alone Sensor supply turned off.



Schematic 1



Schematic 2

5 Commissioning Guide

Normal Operation	- Switch on the FG-PROBE Stand-Alone Sensor. The LED flashes green, the alarm unit is under operation.
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Simulation of Leak	- Pour water directly on the steel probes of the FG-PROBE. - The LED flashes red and triggers the relay. - Absorb water with a dry cloth. - The LED flashes green, and the relay returns to its initial position.

6 After Installation: ABC Steps

- A. Provide and display a clear and accurate installation drawing close to the FG-PROBE.
- B. Ensure that the following documents are made available to the Customer:
 - FG-PROBE Datasheet
 - Installation Drawing
 - Installation Instructions
- C. Inform the Customer that it is recommended to perform maintenance on the system once per year.

Company _____

Operator name _____

Date ____ / ____ / ____

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