



LIQUID LEAK DETECTION SYSTEMS
CONSTRUCTION DIVISION

FG-PROBE

Stand-Alone Water Point Sensor

Product Datasheet



- ▶ Fully Stand-Alone System
- ▶ Instant Leak Detection Response
- ▶ High-Visibility LED Indicator
- ▶ Power Supply Included
- ▶ Integrated Output Relay (NO or NC)
- ▶ Compact, Reliable and Easy to Install

Description

The FG-PROBE is a compact, stand-alone point sensor engineered for reliable leak detection of **water (including chilled water), bases, and other non-dielectric fluids like PG25**, in sensitive or confined areas. It features a high-visibility LED indicator and two stainless steel probes, spaced 0.8 inch (2 cm) apart. The sensor triggers an alarm only when both probes simultaneously detect liquid, significantly reducing the risk of false alarms.

Key Advantages

■ Stand-Alone - Plug-and-Play – Power Supply Included

The FG-PROBE operates as a fully autonomous unit and is delivered with its own power adaptor (120 VAC / 24 VAC), ensuring continuous operation without requiring external control panels.

It provides permanent leak monitoring for high-risk areas such as CDUs, racks, underfloor and under-window HVAC units, fan coil units, pipe flanges and valves, and raised floors or drip trays.

■ Immediate Response to Leaks with High Visibility LED Indicator

The FG-PROBE delivers an immediate reaction upon water detection by instantly activating its integrated relay - ensuring rapid response to leakage. It can be connected directly to an HVAC unit, fan coil, or PLC input, making it ideal for real-time, localized monitoring.

The device features a high-visibility LED that provides clear status feedback at a glance:

- Flashing green indicates normal operation
- Flashing red signals a leak alarm

■ Integrated Output Relay

The output relay is available in Normally Open (NO) or Normally Closed (NC) configuration, to suit different alarm systems or automation setups.

■ Flexible Installation Options

The FG-PROBE is designed for quick and easy installation, with two possible mounting configurations (see installation schematics on page 2):

- Vertical: fixed to a wall, with probes facing downward;
- Horizontal: flat on the floor, with probes on the side.

■ 10-Year Warranty

The FG-PROBE, like all TTK products, is covered by a 10-year manufacturer's warranty.

Technical Data

FG-PROBE Supply Voltage	120 VAC/24 VAC
Maximum Relay Capacity	60W (30V x 2A)
Maximum Relay Voltage	125 VAC, 220 VDC
Reusability	Reusable
Operating Temperature	5°F to 131°F (-15°C to +55°C)
Ingress Protection	IP 67
Enclosure Type	ABS Polylac 707 (a natural ABS), UL94HB
Enclosure Color	Green
Dimensions (W,H,D)	4.13''W x 2.95''H x 2.17''D (105mmW x 75mmH x 55mmD)

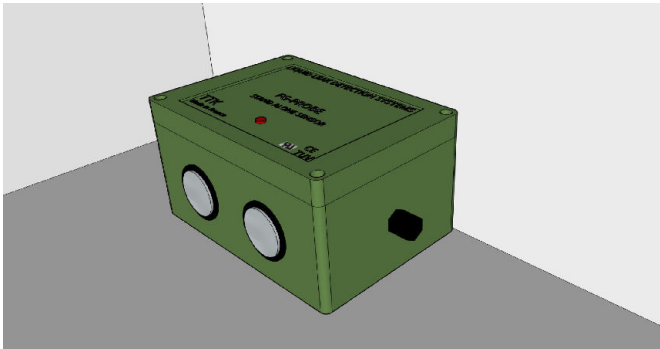
Installation Schematics

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).



Schematic 1



Schematic 2

Identification Codes

FG-PROBE	Stand-alone Water Point Sensor
----------	--------------------------------

Certification



This brochure has been carefully prepared to ensure technical accuracy but is only intended for promotional use. TTK cannot guarantee that the information contained herein contains no errors or omissions, and hence does not accept responsibility related to the use of its equipment. TTK maintain its obligations set forth in the Standard Terms and Conditions of Sale and will not, under any circumstances, assume liability for any incidental damages, indirect or consequential, arising from the sale, resale, use or misuse of this project. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use.