



LIQUID LEAK DETECTION SYSTEMS  
CONSTRUCTION DIVISION

# FG-ECP-A

## Analogue Water Point Sensor

### Product Datasheet



- ▶ Compatible with Analogue Systems
- ▶ Detects and Locates Leaks
- ▶ IP67 Protection Marking

## Description

The FG-ECP-A is an analogue point sensor for water leak detection. It is designed to be used with TTK FG-ALS8, FG-ALS4 or FG-A control unit to give instant detection of liquid leaks.

In the event of liquid leak or cable break on the FG-ECP-A, the connected unit will respond as follows:

- An audible alarm is triggered and a relay is activated.
- The location of the leak (address of the FG-ECP-A) is displayed on the screen.

## Key Advantages

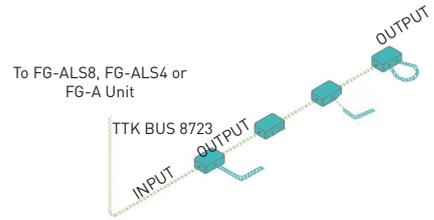
- Available in four models: three equipped with a sense cable (U-shaped, L-shaped, or with customisable length) and one model without cable, equipped with two stainless steel probes (FG-ECP-AM) to adapt to different environments.
- The electrical continuity is made with a length of TTK BUS cable connected to various FG-ECP-A and the control panel.
- PG7 glands on the box sides make jumper cabling quick and easy.
- The LED on the front face of the box indicates the box's status in real time:
  - Blinking green: normal, no alarm.
  - Blinking red: leak detected on the box.
  - No LED light: cablebreak detected on the box or loss of communication.
- The FG-ECP-A detects rapidly a liquid leak that comes in contact with it.
- The FG-ECP-A detects any break or cut in the cable (for models equipped with a cable).
- The sense cable FG-ECS used in the affected models has a non-absorbent structure. It resets automatically within a few seconds after the leak has been eliminated.
- The FG-ECP-A is small and light. It is ideally suited for environments as plantrooms, banded areas, drip trays, etc.
- A simple bi-annual test is all that is required.

## Technical Data

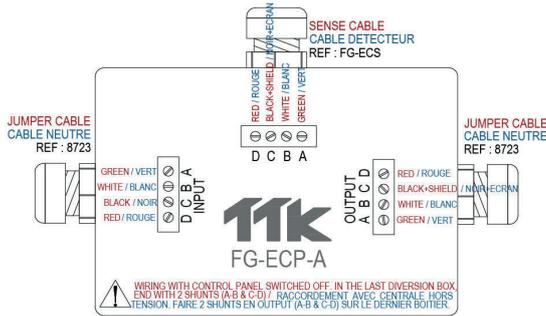
<b>Compatibility</b>	Alarm units: FG-AL8, FG-ALS4, FG-ALS, FG-A
<b>Reusability</b>	Reusable, as long as the cable hasn't been damaged by prolonged immersion in liquid
<b>Drying Time for Cable After Leak</b>	Less than 10 seconds
<b>Sense Cable Nominal Diameter</b>	8 mm (± 0.5 mm)
<b>Stainless Steel Probe Diameter (FG-ECP-AM Model)</b>	Ø20mm
<b>Sense Cable Colour</b>	Dark blue
<b>Operating Temperature</b>	-15°C to 55°C
<b>Ingress Protection</b>	IP 67
<b>Enclosure Type</b>	ABS Polylac 707 (a natural ABS), UL94HB
<b>Dimensions (W,H,D)</b>	105mmW x 75mmH x 55mmD

# Connection Schematic

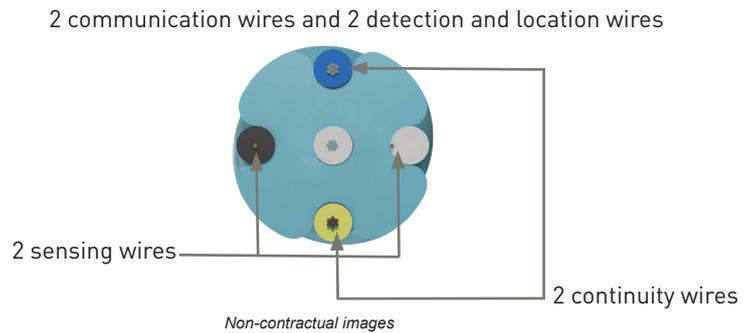
- The four models can be mixed in one circuit of an analogue panel.
- FG-ECP-A can also be installed in the same circuit with analogue water and/or acids cables.
- Up to 10 FG-ECP-A (10 addresses) can be connected to a FG-ALS8 circuit;
- Up to 4 FG-ECP-A (4 addresses) can be connected to a FG-ALS4 circuit;
- One FG-ECP-A (one address only) can be connected to a FG-A control panel.
- In the schematic, INPUT corresponds to the TTK BUS 8723 cable coming from the control unit; OUTPUT corresponds to the TTK BUS 8723 cable leaving towards the following FG-ECP-A.
- On the last FG-ECP-A point sensor, two shunts (A&B; C&D) on the OUTPUT side must be made.



# Product Information



## FG-ECS Sense Cable Cutting View



# Product Diagram



# Identification Codes

<b>FG-ECP-AU</b>	Analog Point Sensor in U-shape for Water Detection
<b>FG-ECP-AL</b>	Analog Point Sensor in L-shape for Water Detection
<b>FG-ECP-AM</b>	Analog Point Sensor Stainless Steel Probes for Water Detection
<b>FG-ECP-A Customised Version</b>	Including 2 Following Elements: <ul style="list-style-type: none"> <li>• FG-ECP: Enclosure</li> <li>• FG-ECS Sense Cable: at a Specified Length</li> </ul>

# Certification



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