



# Addressable Oil Leak Detection Systems

LIQUID LEAK DETECTION SYSTEMS  
OIL & GAS DIVISION

Products Catalogue



## LOCATING ALARM UNITS



### FG-NET-LL

- Developed for long distance hydrocarbon detection and location within the Oil & Gas industry
- Digital, Fully Addressable
- Monitoring Up to 2400m Sense Cables
- Touch Screen Interface
- TCP/IP & MODBUS/JBUS

### FG-NET

- Suitable for water, acid and oil leak detection with location mapping.
- Same Functions as FG-NET-LL.

### FG-ALS8-OD

- 8 Zones Alarm & Locating System Unit
- 9 Relays Embedded
- 8 Independent Zones
- 8 Simultaneous Leaks can be Detected
- Touch Screen Display
- MODBUS/JBUS

### FG-ALS4-OD

- 4 Zones Alarm & Locating System Unit
- 5 relays Embedded
- 4 Independent Zones
- 4 Simultaneous Leaks can be Detected
- Touch Screen Display
- MODBUS/JBUS

## STAND-ALONE ALARM UNIT



### FG-STAD

- Stand-alone, Independent System
- Functions Without Fixed Voltage Power Supply
- Embedded Battery: 3 Years+ Lifespan
- 2 Unipolar Outputs

## SINGLE SENSOR ALARM UNIT



### FG-A-OD

- Capable of monitoring one oil detection sense cable of up to 20 metres
- Simple unit for installation and use
- 2 SPDT Relays
- 3 LED Indicators

## SATELLITE DEVICES



### BATTERY BACKUP

- Provides Instant Battery Power
- Allows Continued Protection
- LED Lighting provides Fast Identification of the Device
- Easy to Use



### FG-BBOX-LL

- Monitoring up to 2360m Sense Cables
- Dynamic Leak Evolution Analysis
- Location of Faults on Cable
- Exclusive for Oil Sense Cable



### FG-BBOX

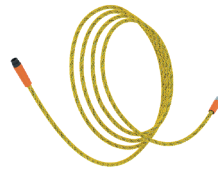
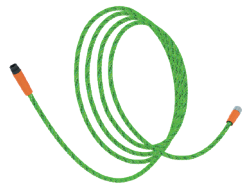
- Digital, Fully Addressable
- Monitoring Up to 1200m Sense Cables
- Location of Faults to 1m
- Compatible With Different Sense Cables



### FG-RELAYS

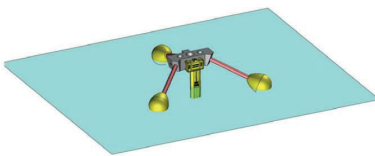
- 24 Configurable External Relay
- Up to 16 FG-RELAYS = 384 External Relays on a FG-NET Digital Unit

# OIL LEAK SENSE CABLES & POINT SENSOR



FG-ODC	FG-OD	FG-ODR	FG-ODP
<ul style="list-style-type: none"> <li>• High Sensitivity Sense Cable</li> <li>• Very Fast Response with Light and Middle Distillates</li> <li>• Sensitive to Heavy Oils and Hydrocarbon Vapors</li> <li>• Leak Location on Section Length</li> <li>• Re-usable Cable</li> <li>• Suitable for Explosive Area Service</li> <li>• Insensitive to Water and Inorganic Pollutants</li> <li>• Standard Lengths (3 m, 7m and 12m)</li> <li>• Examples of detection time: Gasoline: 1-2 minutes (*), Diesel Oil: 7-12 minutes (*)</li> </ul>	<ul style="list-style-type: none"> <li>• Intermediate Sensitivity Sense Cable</li> <li>• Fast Response with Light and Middle Distillates</li> <li>• Leak Location on Section Length</li> <li>• Re-usable Cable</li> <li>• Suitable for Explosive Area Service</li> <li>• Insensitive to Water and Inorganic Pollutants</li> <li>• Standard Lengths (3 m, 7m, 12m and 20m)</li> <li>• Examples of detection time: Gasoline: 3-6 minutes (*), Diesel Oil: 25-35 minutes (*)</li> </ul>	<ul style="list-style-type: none"> <li>• Low Sensitivity Sense Cable</li> <li>• Suitable for Volatile Liquids in Confined Environments</li> <li>• Suitable for Weakly Polluted Environments</li> <li>• Leak Location on Section Length</li> <li>• Re-usable Cable</li> <li>• Suitable for Explosive Area Service</li> <li>• Insensitive to Water and Inorganic Pollutants</li> <li>• Standard Lengths (3 m, 7m, 12m and 20m)</li> <li>• Examples of detection time: Gasoline: 20-30 minutes (*), Diesel Oil: 3-6 hours (*)</li> </ul>	<ul style="list-style-type: none"> <li>• Oil Point Sensor</li> <li>• Fully Addressable, Locating</li> <li>• Fast Response, Re-usable</li> <li>• Suitable for Explosive Area Service</li> <li>• Insensitive to Water and Pollution</li> </ul>

## ACCESSORIES



FG-FLOAT	Boxes	Leading Cable & Kit	Accessories for Installation
<p>FG-FLOAT is a float assembly designed to be used with FG-ODP, the point sensor for oil leak detection - in sump application and other similar applications, to detect oil floating on water.</p>	<ul style="list-style-type: none"> <li>• Interface box</li> <li>• Point sensor diversion box</li> </ul>	<ul style="list-style-type: none"> <li>• Leader cable in 3.5m to connect the first OD sense cable to the digital units.</li> <li>• Set of parts for connecting FG-OD jumper cable.</li> </ul>	<ul style="list-style-type: none"> <li>• End termination: Each circuit of sense cable must be ended with an end termination plug</li> <li>• Set of hold-down clips</li> <li>• Set of tags</li> </ul>

## Certificates



TTK - Type: FG-OD  
 CE 0081 II 1 G  
 Ex ia IIB T4 Ga  
 LCIE 13 ATEX 3082 X  
 LECEx LCIE 13.0072X

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 product. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use. FG-NET, FG-SYS and TOPSsurveillance are trademarks of TTK S.A.S. © TTK 2024

- **TTK Headquarters** / 19 rue du Général Foy / 75008 Paris / France / T : +33.1.56.76.90.10 / F : +33.1.55.90.62.15 / [www.ttk.fr](http://www.ttk.fr) / [ventes@ttk.fr](mailto:ventes@ttk.fr)
- **TTK Oil & Gas Division** / 19 rue du Général Foy / 75008 Paris / France / T : +33.1.30.51.79.84 / F : +33.1.55.90.62.15 / [www.ttk.fr](http://www.ttk.fr)
- **TTK UK Ltd.** / 3 Luke Street / London EC2A 4PX / United Kingdom / T : 0207 729 6002 / F : 0207 729 6003 / [www.ttkuk.com](http://www.ttkuk.com) / [sales@ttkuk.com](mailto:sales@ttkuk.com)
- **TTK Pte Ltd.** / #09-05, Shenton House, 3 Shenton Way / Singapore 068805 / Tel.+65-6220.2068 / Mob: +65.9271.6191 / Fax. +65-6220.2026 / [www.ttk.sg](http://www.ttk.sg) / [sales@ttk.sg](mailto:sales@ttk.sg)
- **TTK Asia Ltd.** / 2107-2108 Kai Tak Commercial Building / 317 Des Voeux Road Central / Hongkong / Tel.+852.2858.7128 / Fax.+852.2858.8428 / [www.ttkasia.com](http://www.ttkasia.com) / [info@ttkasia.com](mailto:info@ttkasia.com)
- **TTK Middle East FZCO** / Building 6EA, Office 510 PO Box 54925 / Dubai Airport Free Zone / UAE / T: +971 4 70 17 553 / M: +971 50 259 66 29 / [www.ttkuk.com](http://www.ttkuk.com) / [cgalniche@ttk.fr](mailto:cgalniche@ttk.fr)
- **TTK Deutschland GmbH** / Berner Strasse 34 / 60437 Frankfurt / Deutschland / T : +49(0)69-95005630 / F : +49(0)69-95005640 / [www.ttk-gmbh.de](http://www.ttk-gmbh.de) / [vertrieb@ttk-gmbh.de](mailto:vertrieb@ttk-gmbh.de)
- **TTK North America Inc** / 1730 St. Laurent Boulevard, Suite 800 / Ottawa, ON K1G 5L1 / Canada / T : +1 613 566 5968 / [www.ttkcanada.com](http://www.ttkcanada.com) / [info@ttkcanada.com](mailto:info@ttkcanada.com)