TTK
LIQUID LEAK DETECTION SYSTEMS
OIL & GAS DIVISION

LOCATING ALARM UNITS

FG-NET-LL	FG-NET	FG-ALS8-OD	FG-ALS4-OD
• 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	• Suitable for water, acid and oil leak detection with location mapping. • Same Functions as FG-NET-LL.	• 8 Zones Alarm & Locating System Unit • 9 Relays Embedded • 8 Independent Zones • 8 Simultaneous Leaks can be Detected • Touch Screen Display • MODBUS/JBUS	• 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

SINGLE SENSOR ALARM UNIT

FG-STAD	FG-A-OD
• Stand-alone, Independent System • Functions Without Fixed Voltage Power Supply • Embedded Battery: 3 Years+ Lifepan • 2 Unipolar Outputs	• 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

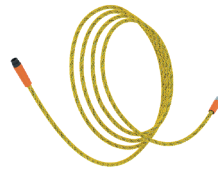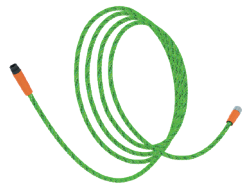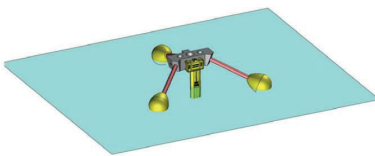| BATTERY BACKUP	FG-BBOX-LL	FG-BBOX	FG-RELAYS
• Provides Instant Battery Power • Allows Continued Protection • LED Lighting provides Fast Identification of the Device • Easy to Use	• Monitoring up to 2360m Sense Cables • Dynamic Leak Evolution Analysis • Location of Faults on Cable • Exclusive for Oil Sense Cable	• Digital, Fully Addressable • Monitoring Up to 1200m Sense Cables • Location of Faults to 1m • Compatible With Different Sense Cables	• 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

- High Sensitivity Sense Cable
- Very Fast Response with Light and Middle Distillates
- Sensitive to Heavy Oils and Hydrocarbon Vapors
- Leak Location on Section Length
- Re-usable Cable
- Suitable for Explosive Area Service
- Insensitive to Water and Inorganic Pollutants
- Standard Lengths (3 m, 7m and 12m)
- Examples of detection time: Gasoline: 1-2 minutes (*), Diesel Oil: 7-12 minutes (*)

FG-OD

- Intermediate Sensitivity Sense Cable
- Fast Response with Light and Middle Distillates
- Leak Location on Section Length
- Re-usable Cable
- Suitable for Explosive Area Service
- Insensitive to Water and Inorganic Pollutants
- Standard Lengths (3 m, 7m, 12m and 20m)
- Examples of detection time: Gasoline: 3-6 minutes (*), Diesel Oil: 25-35 minutes (*)

FG-ODR

- Low Sensitivity Sense Cable
- Suitable for Volatile Liquids in Confined Environments
- Suitable for Weakly Polluted Environments
- Leak Location on Section Length
- Re-usable Cable
- Suitable for Explosive Area Service
- Insensitive to Water and Inorganic Pollutants
- Standard Lengths (3 m, 7m, 12m and 20m)
- Examples of detection time: Gasoline: 20-30 minutes (*), Diesel Oil: 3-6 hours (*)

FG-ODP

- Oil Point Sensor
- Fully Addressable, Locating
- Fast Response, Re-usable
- Suitable for Explosive Area Service
- Insensitive to Water and Pollution

ACCESSORIES

FG-FLOAT

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.

Boxes

- Interface box
- Point sensor diversion box

Leading Cable & Kit

- Leader cable in 3.5m to connect the first OD sense cable to the digital units.
- Set of parts for connecting FG-OD jumper cable.

Accessories for Installation

- End termination: Each circuit of sense cable must be ended with an end termination plug
- Set of hold-down clips
- Set of tags

Certificates

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