



- ▶ Locating Leak Detection System
- ▶ 8 Independent Zones
- ▶ 8 Simultaneous Leaks can be Detected
- ▶ Touch Screen Display
- ▶ MODBUS/JBUS Integration
- ▶ Exclusive for FG-OD Range Products

Description

The FG-ALS8-OD, Eight Zones Alarm & Locating System Unit is designed to be used with FG-OD hydrocarbon range of products, to give instant detection and location of liquid (non-conductive hydrocarbon liquids and solvent).

In the event of liquid leak or default on the sense cables for each zone, the responses from the FG-ALS8-OD alarm & locating unit:

- An audible alarm is triggered and a relay is activated.
- The touch screen of the panel displays the zone, the location of the leak (on the cable) and details of the fault (the type of fault leak or cable break).
- Report to the DCS/SCADA/Safeguarding system via a JBUS/MODBUS protocol.

Features & Benefits

FEATURES

- The FG-ALS8-OD unit is dedicated to the FG-OD range products including sense cables and point sensors.
- The FG-ALS8-OD unit can control up to 8 FG-OD range sensing elements: sense cables or point sensors.
- 4.3" touch-screen gives a clear indication of the system status.
- User-friendly system - users can customise the system with the sub menus accessible from the home screen, to set up the unit.
- 8 detection zones are available.
- 9 relays are available, 8 for leak and 1 for system fault.
- RS485 serial link with MODBUS/JBUS communication protocol for interfacing with BMS is available.


BENEFITS

- Pinpoint the location of leaks monitored by 8 independent zones.
- Detect cable-break fault.
- The FG-ALS8-OD unit is accurate and easy to use in Oil & Gas and Chemical Industries.

Technical Data

| | |
|--|--|
| Compatibility | Hydrocarbon sense cables: FG-OD, FG-ODC, FG-ODR; Point detector: FG-ODP |
| Enclosure Type | ABS flame retardant UL94V0 |
| Operating Temperature | -5°C to 55°C |
| Serial Interface Physical Support | Optoisolated two wire RS485 |
| Serial Link Parameters | 9600 baud, 8 data bits, 1 stop, no parity |
| Supported Protocol | MODBUS, function 3 |
| Relays Type: Leak + Cable Break | 9 SPDT single contact NO-NC |
| Relay Max. Switching Voltage | 230VAC and 220VDC |
| Power Consumption | 5 VA |
| Supply Voltage | 100-240Vac - 50/60Hz |
| Dimensions (W,H,D) | 220 x 200 x 55 mm |

Electrical Specification

| | |
|--------------------------------|---|
| Power Supply 100-240VAC | N : Neutral / L : Line /  : Earth |
| RS485 | R1 : COM / R2 : RT+ / R3 : RT- |
| Cable Break Relay | R1 : NO / R2 : COM / R3 : NC |
| Leak Relay | R1 : NO / R2 : COM / R3 : NC |
| FG-CL0D Leader Cable | B : White wire / C : Black wire / D : Red wire |

Identification Codes

| | |
|---------------------|--|
| FG-ALS8-OD F | Analog Touchscreen Panel 8 Zones (Wall mounted) 100-240VAC - Oil Detection Sensors |
| Accessories: | |
| FG-CL0D | Leader Cable, on 'OD Bus 8771' |
| FG-TMOD | Digital End Plug on 'OD Bus 8771' for FG-OD Cable |
| FG-N0D N | 'OD Bus 8771' Neutral Cable 'N' (30, 15, 7, 3, 1m) With Connectors |
| CF-OD50 | 50 Hold-down Clips with Adhesive for Oil Cables |
| ES-OD | 40 Tags for Oil Cable |

Certificates



FG-OD sense cables which are certified by ATEX can be connected to the FG-ALS8-OD alarm & location unit.
The FG-ALS8-OD unit meets the requirements of all European Standards in EN61000-6-2 / EN61000-6-3/EN61000-3-2/EN61000-3-3.

All the connections in the FG-ALS8-OD alarm locating system unit must be done with the power supply switched off.
Read carefully the installation procedure for the FG-ALS8-OD alarm locating system unit.

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 TOPSurveillance are trademarks of TTK S.A.S. © TTK 2017

- **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 / ventes@ttk.fr
- **TTK Oil & Gas Division** / 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 / rrisi@ttk.fr
- **TTK UK Ltd.** / 3 Luke Street / London EC2A 4PX / United Kingdom / T : 0207 729 6002 / F : 0207 729 6003 / www.ttkuk.com / 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 / 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 / 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 / cgalnichel@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 / 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 / sbalatchev@ttkcanada.com