

Installation Notice FG-A-OD



1 FG-A-OD Alarm Unit Description

- The FG-A-OD Alarm Unit is designed to be used with the FG-OD hydrocarbon range of sense cable or point detector, to provide quick detection of liquid (non-conductive hydrocarbon liquids and solvents). The appearance of a fault (leak or cable-break) is detected as follows:
 - A sound alarm is triggered;
 - A light-emitting diode comes on: red (for leak) or yellow (for cable-break);
 - A dry contact is activated to transmit the alarm information to remote monitoring equipment.
- To stop the sound alarm, press the central button. The diode and the dry contact remain activated for as long as the fault is present.
- When the fault disappears, the diode switches off and the relay returns to its original normal status.
- The panel is designed to connect only one length of sensor cable; if more than one sensor is installed, the panel will be locked and the alarm will be permanently active.

2 Panel Mounting

- Available in Wall-Mounted Version:

Two of the three cable glands are placed on the FG-A-OD Alarm Unit; the last gland can be screwed in the position of plug PG7.

Use the four fixing holes in the lower part of the unit box. Release the upper part of the box in the lower part, which is maintained by four screws. These two parts can be easily dismantled after mural fixing. Remove the upper part with the PCB (printed circuit board) carefully.

FG-A-OD Alarm Unit, wall mounted version, contains:

- 1 FG-A-OD Alarm Unit
- 3 PG cable glands: 2 PG7 + 1 PG9
- 1 plug PG7
- Installation Notice (current document)

3 Connection and Adjustment

1. Power Connection

There are three possibilities for power connection: 12 to 24 V AC / 15 to 30 V DC / 100-240 V AC 50/60 Hz.
Maximum capacity: 10 W
The maximum section of the cable is 14 AWG for 100-240 V AC 50/60 Hz, and 18 AWG for 12-24 V AC and 15-30 V DC.
There is no requirement to respect polarity in 12/24 V. Use PG9 cable gland for the 230-V cable.

2. Connecting the Dry Relays

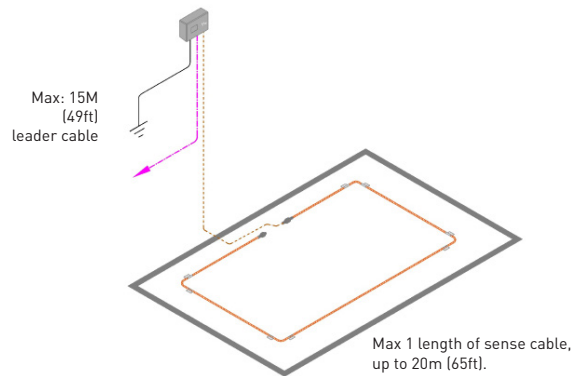
Simple relay: COM-NO-NC
Maximum voltage commutated: 125 V AC / 220 V DC
Maximum power commutated: 60 W (30 V x 2 A)
The dry relays are free of potential.
The maximum section of the cables is 18 AWG.
- Dry Contact for Leak:
The leak contact transfers information regarding a leak to a PC (or controller), allowing automated control of the equipment.
- Dry Contact for Cable Break:
A specific contact will be activated when a cable break occurs. A power outage will also activate the contact.

4 Connection of Sensors

■ Connecting the FG-OD Sense Cable:

The FG-OD sense cable will be connected at the extremity of the FG-CLOD.

To connect the FG-CLOD to the FG-A-OD, please refer to the next section 5.

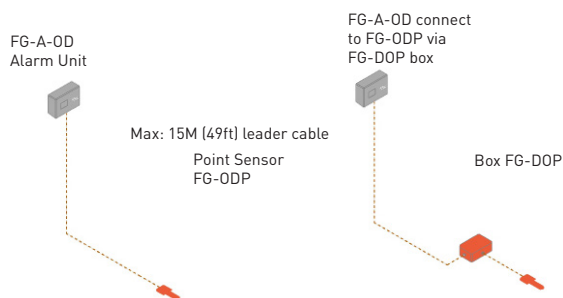


■ Connection of FG-ODP Point Detector:

The FG-ODP point detector/probe can be connected to the FG-A-OD in two different ways (refer to next Section 5 for wiring):

- Direct connection: FG-ODP lead cable (4 wires) into FG-A-OD;
- Via FG-DOP box: FG-ODP lead cable (4 wires) to FG-DOP box, and 'TTK 8771' bus leader cable (3 wires: B, C, D) from FG-DOP box to FG-A-OD.

NB: The second method allows an extra length of leader cable, if required.



5 Connecting the Motherboard



Connect the FG-CLC leader cable, refer to "FG-SYS installation guide" chapter 1, section 3.3 "Connection of FG-CLC leader cable".

Power supply 100-240 VAC 50/60Hz	N: Neutral P: Live ●: Earth
Power supply 12 V or 24 V DC	Polarity not required
Cable Break Relay and/or Power Relay	R1: COM R2: NO R3: NC
Leak Relay	R4: COM R5: NO R6: NC
FG-CLOD Leader Cable (or FG-ODP Connection Cable)	A: Green wire (for FG-ODP cable only) B: White wire C: Black wire D: Red wire

Caution: All connector blocks must be connected with the FG-A-OD Alarm Unit supply switched off.

Although carefully prepared to ensure technical accuracy, this brochure is intended for promotional use only. TTK cannot guarantee that the information contained herein is free of errors or omissions, and hence does not accept liability related to the use of its equipment. TTK maintains its obligations set out 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. All purchasers accept their responsibility as sole judge of the suitability of the product for the intended use.
FG-NET, FG-SYS and TOPSurveillance are trademarks of TTK S.A.S. © TTK 2021

- **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: 020 7729 6002 / F: 020 7729 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 / Hong Kong / 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 / cgalliche@ttk.fr
- **TTK Deutschland GmbH** / Berner Strasse 34 / 60437 Frankfurt / Germany / 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 / info@ttkcanada.com
- **Thomas Sales & Marketing Inc. TTK Master Distributor For USA** / 7200 W 66th St / Bedford Park, IL 60638 / USA / T: +1 630-518-4724 / www.ttkusa.com / dmolk@ttkusa.com

Buy: www.ValinOnline.com | Phone 844-385-3099 | Email: CustomerService@valin.com