



- ▶ Locating Leak Detection System
- ▶ 8 Independent Zones
- ▶ 8 Simultaneous Leaks can be Detected
- ▶ Touchscreen Display
- ▶ MODBUS/JBUS Integration
- ▶ Adjustable Sensitivity

Description

The FG-ALS8, Eight Zones Alarm & Locating Unit is designed to be used with TTK analog sense cables to give instant detection and location of liquid leaks (water, acids or base).

In the event of liquid leak or fault on the sense cables in any zone, the FG-ALS8 will respond as follows:

- An audible alarm is triggered and a relay is activated.
- The touchscreen of the panel displays the zone, the location of the leak (+/- 1 m) and details of the fault (the type of fault leak or cable break).
- Event report is sent to the BMS via MODBUS /JBUS.

To mute the alarm sound, simply touch the screen, or the panel will automatically mute the alarm when the leak or break is resolved.

Key Advantages

- **Zone Control:** The FG-ALS8 unit can control up to 100 m of sense cable per zone.
- **Adjustable Sensitivity:** The sensitivity of the unit is adjustable via the potentiometer located on the PCB.
- **Fault Detection:** The system detects cable break faults to ensure reliable monitoring.
- **User-Friendly Interface:** Users can customize the system through submenus accessible from the home screen to set up the unit easily.
- **Precision & Usability:** The FG-ALS8 unit is accurate and easy to use, making it ideal for small and medium applications where precise leak location is required.

Screen Shots

- The first button (flag) allows to change the system language: English / French / German

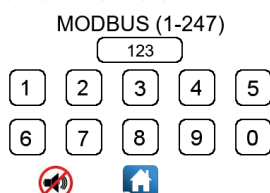


- The second button (arrows) allows to show the installed lengths on each of the eight zones:

ZONES	
Zone 1: 15m	Zone 5: 7m
Zone 2: 30 m	Zone 6: 30
Zone 3: 60 m	Zone 7: 15m
Zone 4: 7m	Zone 8: 45 m



- The third button (gears) allows to change the Modbus slave number and to set the "mute" mode:



- In the case of faults (leak or cablebreak), the touch screen shows below:
The leak alarms, represented by a drop of liquid;
The cablebreak alarms, represented by scissors and the "sensor" label.

ZONES	
1: SENSOR	5: SENSOR
2: 30 m	6: OK
3: 99 m	7: SENSOR
4: OK	8: 45 m



Technical Data

Compatibility	Digital units: FG-NET, FG-BBOX, FG-BB-PoE, FG-RELAYS via FG-DTM Analog sense cables: FG-ECS, FG-ECX, FG-ACS, FG-ACX
Dimensions & Weight	220 mm W x 200 mm H x 55 mm D 1 kg
Sensor Capacity	8 x 100 m
Location Accuracy	Water & acids leak detection: +/- 1 m
Operating Languages	English, French, German
Supply Voltage	100-240 VAC, 50/60 Hz
Current	0.09 A (120 V), 0.05 A (230 V)
Power Consumption	10 VA Max
Operating Temperature	-15°C to 55°C
Case Type	ABS flame retardant UL94V0
Screen Size	4.3"
Format	Wall mounted
Ingress Protection	IP40 - Indoor use only
Serial Connection	MODBUS/JBUS RS485
Numbers of Relays	9 (8 leak relays + 1 break relay)
Relay Types	Volt free dry contact (NO, NC, COM)
Type of Faults Available on the Configurable Relays	Non-configurable
Maximum Relay Switching Voltage	125 VAC and 220 VDC
Maximum Relay Switching Capacity	60 W (30 V x 2A)

Identification Codes

FG-ALS8 F	Analog Touchscreen Panel 8 Zones (Wall mounted) 100-240VAC - Water & Acids Detection
Accessories:	
FG-CLC	Leader Cable 3.5 m
FG-TMX	End Termination
CF-EC100	100 Hold-down Clips with Adhesive
ES-EC	40 Signal Tags

Certifications



All the connections in the FG-ALS8 alarm locating system unit must be done with the power supply switched off.
Read carefully the installation procedure for the FG-ALS8 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 2025

- TTK UK Ltd. / 3 Luke Street / London EC2A 4PX / United Kingdom / T : +44 207 729 6002 / F : +44 207 729 6003 / www.ttkuk.com / sales@ttkuk.com
- TTK Pte Ltd. / #09-05, Shenton House, 3 Shenton Way / Singapore 068805 / T: +65.6220.2068 / M: +65.9271.6191 / F: +65-6220.2026 / www.ttk.sg / sales@ttk.sg
- TTK Asia Ltd. / 2107-2108 Kai Tak Commercial Building / 317 Des Voeux Road Central / Hongkong / T: +852.2858.7128 / F: +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 / cgalmiche@ttk.fr
- 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