



- ▶ 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 (+/- 3 ft +/- 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 328 ft (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

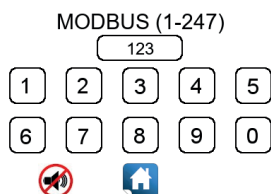
- The first button (flag) allows to change the system language: English / French / German



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



- 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.



# Technical Data

<b>Compatibility</b>	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
<b>Dimensions &amp; Weight</b>	8.66"W x 7.87"H x 2.16"D (220 mm W x 200 mm H x 55 mm D) 2.2 lbs (1 kg)
<b>Sensor Capacity</b>	8 x 328 ft (100 m)
<b>Location Accuracy</b>	Water & acids leak detection: +/- 3 ft (1 m)
<b>Operating Languages</b>	English, French, German
<b>Supply Voltage</b>	100-240 VAC, 50/60 Hz
<b>Current</b>	0.09 A (120 V), 0.05 A (230 V)
<b>Power Consumption</b>	10 VA Max
<b>Operating Temperature</b>	5°F to 131°F ( -15°C to 55°C)
<b>Case Type</b>	ABS flame retardant UL94V0
<b>Screen Size</b>	4.3"
<b>Format</b>	Wall mounted
<b>Ingress Protection</b>	IP40 - Indoor use only
<b>Serial Connection</b>	MODBUS/JBUS RS485
<b>Numbers of Relays</b>	9 (8 leak relays + 1 break relay)
<b>Relay Types</b>	Volt free dry contact (NO, NC, COM)
<b>Type of Faults Available on the Configurable Relays</b>	Non-configurable
<b>Maximum Relay Switching Voltage</b>	125 VAC and 220 VDC
<b>Maximum Relay Switching Capacity</b>	60 W (30 V x 2A)

# Identification Codes

<b>FG-ALS8 F</b>	Analog Touchscreen Panel 8 Zones (Wall mounted) 100-240VAC - Water & Acids Detection
<b>Accessories:</b>	
<b>FG-CLC</b>	Leader Cable 11.5 ft (3.5 m)
<b>FG-TMX</b>	End Termination
<b>CF-EC100</b>	100 Hold-down Clips with Adhesive
<b>ES-EC</b>	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.

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