



- ▶ Analog Leak Detection System
- ▶ Simple Detection without Location
- ▶ Three LED Indicators
- ▶ Two Configurable Output Relays

## Description

The FG-A alarm unit is designed to be used with TTK analog sense cables; FG-ECS, FG-ECX, FG-ACS and FG-ACX, to give immediate detection of liquid leaks (water, acid or base).

LED's on the front panel indicate presence of Power Supply (green), Leak Detected (red) or Cable Break (yellow).

Responses on the FG-A alarm unit:

- In the case of a leak an audible alarm is triggered. The red LED is switched on and the leak relay is activated.
- In the case of cable break an audible alarm is triggered, the yellow LED is switched on and the cable break relay is activated.

The "SOUND OFF" button on the front panel allows manual silencing of the audible alarm. The LED's and corresponding relays remain activated as long as the fault persists. When the fault is corrected the LED's and relay's return to normal status.

## Features & Benefits

### FEATURES

- Available in wall mounted (FG-A) and rack mounted version (FG-A19").
- The unit can control sense cables up to 30 metres.
- Visual and audible indicators for the type of fault (leak or cable break).
- Flexible supply voltage; 12, 24 or 230 volts.
- Easily accessible terminals for rapid installation.
- Two zero volt contact relays provide numerous signalling and centralised monitoring options.
- Adjustable detection sensitivity.

### BENEFITS

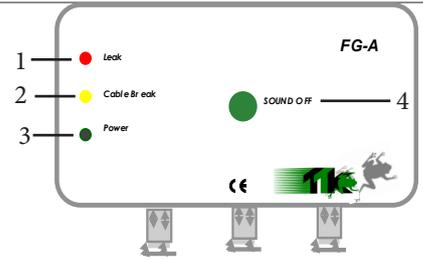
- The FG-A is simple and easy to use, your ideal choice for smaller or remote applications
- A simple bi-annual test is all that is required.

## Technical Data

<b>Compatibility</b>	Analog sense cables: FG-ECS, FG-ECX, FG-ACS, FG-ACX
<b>Box Type</b>	ABS flame retardant UL94V0
<b>Operating Temperature</b>	0°C to 50°C
<b>Relays Type: Leak + Cable Break</b>	Single contact NO-NC Single contact NO-NC
<b>Maximum Relay Voltage</b>	125V AC and 60V DC
<b>Maximum Relay Capacity</b>	1 A
<b>Supply Voltage</b>	12, 24 or 220V
<b>Dimensions (W,H,D) FG-A or FG-A19"</b>	165x85x55 mm or 88x483,88 mm

# Panel Description

- 1: The leak signal (red LED) indicates that the system has detected a liquid leak.
- 2: The continuity signal (yellow LED) indicates that the system has detected a circuit interruption.
- 3: The power supply signal (green LED) indicates that the system is in normal operation.
- 4: The button is used to stop the audible alarm.



# Dimensions



# Electrical Information

<b>Power Supply 240VAC+/-10%</b>	N : Neutral / P : Phase / $\perp$ : Earth
<b>Power Supply 12 V or 24 V AC/DC</b>	No need to follow the polarity
<b>Power Fault or Continuity Fault Relay</b>	R1 : COM / R2 : NO / R3 : NF
<b>Leak Relay</b>	R4 : COM / R5 : NO / R6 : NF
<b>FG-CLC Leader Cable</b>	A : Green wire / B : White wire / C : Black wire / D : Red wire
<b>Potentiometer (in Blue Colour)</b>	P1 for Adjusting sensitivity of detection

# Identification Codes

<b>FG-A (Wall Mounted)</b>	Alarm unit FG-A fixed (wall mounted)
<b>FG-A 19" (Rack mounted)</b>	Alarm unit FG-A encased unit 19" and 2U high (rack mounted)
<b>FG-A Kit</b>	Set of FG-A alarm unit with 3m of sense cable and accessories
<b>Accessories:</b>	
<b>FG-CLC</b>	Leader cable of 3,5 metres length
<b>FG-ECS, FG-ACS</b>	Water or acid sense cable in 3m, 7m, and 15m in length
<b>FG-TMX</b>	End termination plug

# Certificate



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

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