



- ▶ 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

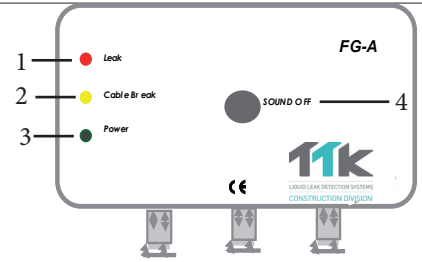
- The FG-A is simple and easy to use, your ideal choice for smaller or remote applications
- A simple bi-annual test is all that is required.

Technical Data

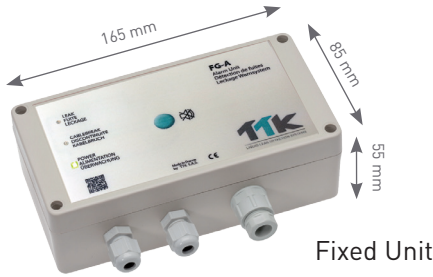
Compatibility	Analog sense cables: FG-ECS, FG-ECX, FG-ACS, FG-ACX
Box Type	ABS flame retardant UL94V0
Operating Temperature	0°C to 50°C
Relays Type: Leak + Cable Break	Single contact NO-NC Single contact NO-NC
Maximum Relay Voltage	125V AC and 60V DC
Maximum Relay Capacity	1 A
Supply Voltage	12, 24 or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

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

Identification Codes

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