



LIQUID LEAK DETECTION SYSTEMS

FG-A Alarm Unit

Product Datasheet



- ▶ Analog Leak Detection System
- ▶ Simple Detection without Location
- ▶ Compatible With Water & Acid Detection
- ▶ Three LED Indicators
- ▶ Two 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 both wall mounted and rack mounted (19" and 2U).
- The unit can control sense cables up to 15 metres.
- Visual and audible indicators for both types of fault (leak or cable break).
- Flexible supply voltage: 12-24VAC ;15-30VDC or 100-240VAC 50/60Hz.
- Easily accessible terminals for rapid installation.
- Two zero volt contact relays provide numerous signalling and centralised monitoring options.

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	For wall mounted version: ABS flame retardant UL94V0 For rack mounted version: aluminum
Operating Temperature	0°C to 50°C
Relays Type: Leak Cable Break	Single contact NO-NC Single contact NO-NC
Maximum Relay Voltage	125VAC and 220VDC
Maximum Relay Capacity	60W (30V x 2A)
Supply Voltage	12-24VAC ;15-30VDC or 100-240VAC 50/60Hz
Dimensions (W,H,D)	165x85x55 mm and 482,60 x 88,10mm
Weight	0.56kg

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.



Dimension



Wall Mounted Version



Rack Mounted Version



Electrical Information

Power Supply 100-240VAC 50/60Hz	N : Neutral / P : Phase / \perp : Earth
Power Supply 12-24 VAC, 15-30VDC	No need to follow the polarity
Power Fault or Continuity Fault Relay	R1 : COM / R2 : NO / R3 : NC
Leak Relay	R4 : COM / R5 : NO / R6 : NC
FG-CLC Leader Cable	A : Green wire / B : White wire / C : Black wire / D : Red wire

Identification Codes

FG-A F	Alarm unit FG-A (wall mounted)
FG-A E	Alarm unit FG-A (rack mounted, 19" and 2U)
FG-A Kit 3, 7, 15	Set of FG-A alarm unit with 3, 7 or 15m of sense cable, a jumper cable and accessories
Accessories:	
FG-CLC	Leader cable of 3.5 metres length
FG-ECS, FG-ACS	Water or Acids sensing cable in 3, 7, 15m without connectors, sealed to 3m of neutral cable
FG-ECX, FG-ACX	Analog Water or Acids sensing cable in 3, 7, 15m with male/female connectors
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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