FG-A
Alarm Unit

Product Datasheet

► Analog Leak Detection System
► Simple Detection Without Location
► 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, FG-ACX) to give immediate detection of liquid leaks (water, acid or base).
LED's on the front of the panel indicate the 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 of the 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 relays return to normal status.

Features & Benefits

FEATURES
- Available as a wall mounted unit.
- The unit can control sense cables up to 49 ft (15 m).
- Visual and audible indicators for the type 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, making an ideal choice for small or remote applications
- Detects cable break faults.
- A simple bi-annual test is all that is required.

Technical Data

Compatibility	Analog sense cables: FG-ECS, FG-ECX, FG-ACS, FG-ACX
Enclosure Type	ABS material (rated to UL94HB)
Operating Temperature	32° to 122°F (0° to 50°C)
Relays Type: Leak + Cable Break	1 SPDT single contact NO-NC
Dry Relay Max. Switching Voltage	125VAC or 220VDC
Relay Max. Switching Capacity	60W (30V x 2A)
Power Consumption	2VA
Supply Voltage	12-24VAC, 15-30 VDC or 100-240VAC - 50/60Hz
Dimensions (W,H,D)	6.77" x 3.41" x 2.17" (172 x 86.6 x 55 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

FG-A Wall Mounted Unit

Electrical Information

Power Supply	N : Neutral / P : Phase / ⏚ : Earth
Cable Break Relay	R1 : NO / R2 : COM / R3 : NC
Leak Relay	R1 : NO / R2 : COM / R3 : NC
FG-CLC Leader Cable	A : Green wire / B : White wire / C : Black wire / D : Red wire

Identification Codes

FG-A	Alarm unit FG-A wall mounted
Accessories:	
FG-CLC	Leader cable of 11.48 ft (3.5 m) length
FG-ECS, FG-ACS, FG-ECX and FG-ACX	Water or acids sense cable in 9, 22, 49 ft (3, 7, 15m) in length
FG-TMX	End termination plug
CF-EC100	100 hold-down clips with adhesive
ES-40	40 tags

Certificates

CE TÜV GS

The FG-A unit meets the requirements of all European Standards in EN 50081 and EN 50082 EMC.
FG-A meets the TÜV requirements, according to IEC 61010-1/A2.

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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