



Liquid Leak Detection System FG-A Alarm Unit Technical Data

The FG-A alarm unit, connected to a TTK sensing cables FG-ECS, FG-ECX, FG-ACS, FG-ACX or FG-HC2, is designed for the leak detection of liquids. The presence of a conductive liquid on the sensing cable triggers an audible and luminous alarm, and activates dry contacts on the FG-A alarm unit. This detection system fits in perfectly with a safety and protection system. Its two dry contacts ensure fault control and transfer back to a centralized management system.

FG-A Alarm Unit Design

The FG-A alarm unit differentiates between a leak detection and an interruption fault. Two contacts are available which allow this data to be used independently.

Three electro luminescent diodes on the unit indicate presence of supply, leak detection and an interruption fault.

A button on the front panel enables the operator to acknowledge the audible alarm.

Two types of presentation are available: a wall mounted (FG-A) and a rack mounted unit (FG-A19), in

19" and 2 U high.

Using The FG-A Alarm Unit

The FG-A alarm unit is supplied automatically with either 12, 24 or 230 volts. The easily accessible terminals centralize the various connections.

In normal operation, the supply diode is on green.

In the event of detecting a leak, an audible alarm is triggered, the "LEAK" diode goes red, and the leak dry contact is activated.

In the case of sensing cable circuit failure, an audible alarm is triggered, the "CABLE BREAK" diode changes to yellow and the interruption contact is activated.

In both cases, the operator must stop the audible alarm by pressing once on the button. The red or yellow diode and corresponding contacts remain activated as long as the fault persists – when this disappears, the diode goes out and the contact returns to its original normal status.

FG-A Alarm Unit

The FG-A alarm unit can be used for the protection of small computer rooms or technical premises. Under-window air-conditioning units, fan-convectors, reservoirs, pumps, siphons, tanks, etc. are the main applications of the FG-A leak detection system.

This system allows immediate detection of all leaks of conductive liquids (water, acids, alkaline, hydrocarbons or solvents). FG-A is compatible with any type of FG-ECS, FG-ECX, FG-ACS, FG-ACX or FG-HC2 sensing cable from TTK; it should be controlled by a monitoring or operating system.

A potentiometer for adjusting sensitivity of detection is available on the units connecting circuit.

We recommend a twice-yearly control of the FG-A alarm unit.

FG-A alarm unit meets requirements of the European Standards in EN 50081 and 50082 EMC.



