



The LeakReport A1+ liquid detection Kit provides rapid detection of any liquid leak (Water ~ Base ~ Acid ~ Chemical (IPA)). The presence of a conductive liquid on the sensing cable triggers an audible and luminous alarm, and activates dry contacts on the LeakReport A1+ alarm unit. This detection system fits in perfectly with a safety and protection system. Its 3 dry contacts ensure fault control and transfer back to a centralized management system with direct solenoid valve controls.

LeakReport™ A1+ Design

The LeakReport A1+ alarm unit differentiates between a leak detection and an interruption fault. Leak and cable break contacts are available which allow this data to be used independently. And Sol. V/V contact is used solenoid valve control. 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.

Using The LeakReport™ A1+

The LeakReport A1+ is fitted with an electronic box, to be connected to a 2-pair link cable.

The first pair available is used for supply in 9~36V AC/DC, the second is the fault signal, configured in Normally Open (NO) or Normally Closed (NC). The 0V (connection point 12) should be tied to the ground of the power supply.

LeakReport A1+ also features an RS485 serial link to integrate to a variety of intelligent monitoring systems & LeakReport M+ master module.

This fault signal is picked up on the under-window air conditioning unit adjustment or a PLC with Solenoid Valve, and transmitted back to a centralized executive.

The Initial contact position toggle, at the end of a fault, is automatic.

The interruption fault (cable cut) is

detected.

The extremities and on-line junction of the LeakReport A1+ are leak tight and mechanically tested.

the sense cable should be dried shortly after detecting a leak.

Special fixing clips are used to fasten the length of cable sensing in the chosen location.

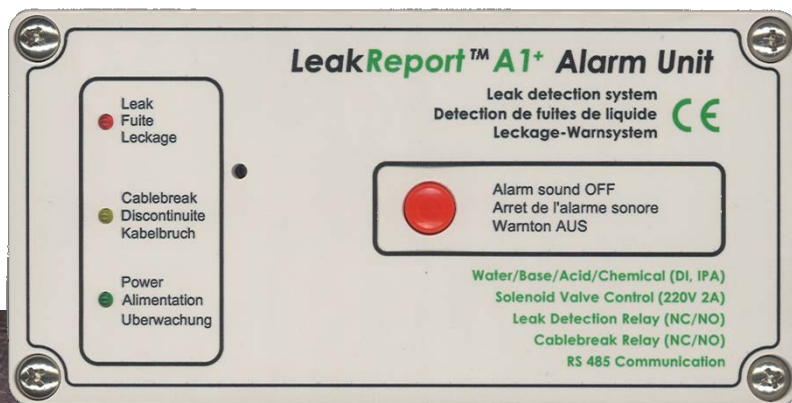
A Tough And Sturdy Design

Small in diameter, the FG-ECS/FG-ACS sensing cable is light, flexible and of a recognizable colour. Its 4 PELD(ECS)/PVDF(ACS) conducted helical construction, compression-connected on an extruded central core reduces the risk of contamination and untimely alarms.

Operation of the detection system is facilitated by a short drying time of the FG-ECS/FG-ACS sensing cable.

It is made in a tested material, which is abrasive-resistant in hostile environments.

LeakReport™ A1+ Alarm Unit

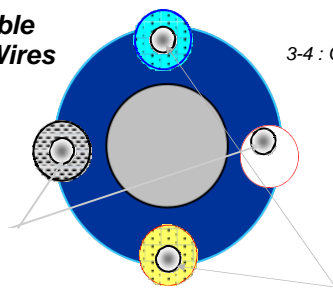


FG-ECS Sensing cable

Water Leak Detection With LeakReport A1⁺

Product Characteristics

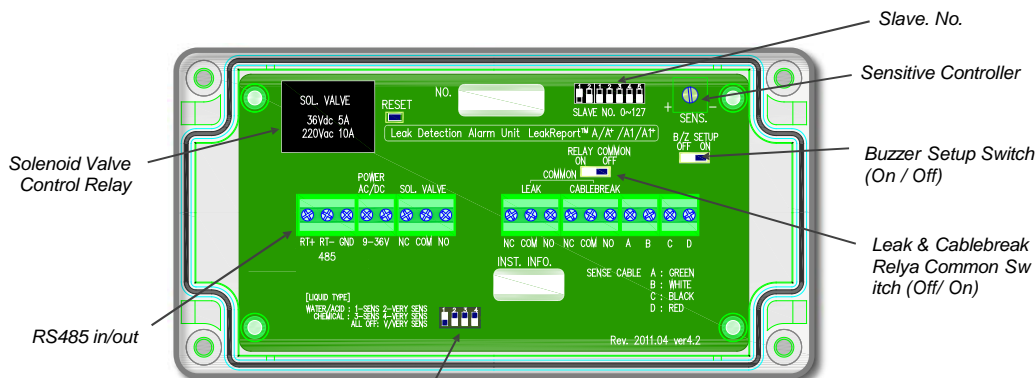
FG-ECS/FG-ACS Sensing Cable With Four Wires



Liquid Selector
1-2 : Water / Base / Acid
3-4 : Chemical : DI / IPA / Thinner

2 Continuity Wires

(Photo not to scale)



FG-ECS Sensing Cable:



Technical Information

Type of polymer :	FG-ECS : PEHD , FG-ACS : PVDF
Working temperature range:	75°C
Maximum length of FG-ECS/FG-ACS per Kit:	FG-ECS : 150m, FG-ACS : 100m
Water tightness:	heat shrinkable product
FG-ECS/FG-ACS sense cable diameter:	7.8 mm
LeakReport A1 ⁺ Supply voltage:	10~36 V AC/DC
Relay Contact rating (Res. load):	Solenoid Valve (at Leak) : 240Vac 2A or 60Vdc 2A Leak : 125Vac 0.5A or 60Vdc 1A, Cable Break : 125Vac 0.5A or 60Vdc 1A
Enclosure	Box & Cover: ABS (UL94HB)

Identification Codes

LeakReport A1⁺ Kit 15	LeakReport A1 ⁺ with 15 metres length of ECS sensing cable
LeakReport A1⁺ Kit 7 L	LeakReport A1 ⁺ with 7 metres length of ECS sensing cable
LeakReport A1⁺ Kit 3	LeakReport A1 ⁺ with 3 metres length of ECS sensing cable
LeakReport A1⁺ Kit A15	LeakReport A1 ⁺ with 15 metres length of ACS sensing cable
Accessories:	
CFE-50C	50 hold-down clips with cold glue adhesive

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Products:

LeakReport A1⁺_Kr4.pub
2.2018

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