

EcoLeak

Eco-1

Single Zone Panel



DATA SHEET



aquilar
leak detection solutions

Eco-1

Leak Detection System



The EcoLeak™ Eco-1 leak detection alarm panel is designed for use with all AquiTron and TraceTek sensing cables and sensors for detection of water, acid, hydrocarbon liquids (fuels) leaks. The Eco-1 single zone alarm panel now incorporates fault/cable break monitoring for added protection and peace of mind.

SIMPLE OPERATION

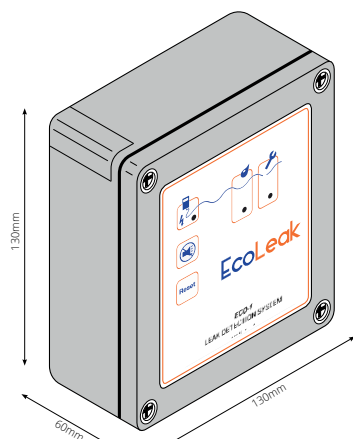
The LED's located on the faceplate indicate Power, Leak alarm and Cable break. In the event of a leak or fault, the alarm sounds and the corresponding LED illuminates. The operator silences the alarm by pressing the MUTE button. Once the alarm has been silenced, the Leak or Cable break LED will continue to be illuminated. Once the cause of the alarm has been located and rectified the panel can be reset and the corresponding LED will be extinguished. Resetting the panel also resets the volt free alarm relay contacts. The Eco-1 also has an 'auto-reset' feature. If enabled it will allow the panel to reset itself once the leak or fault has been cleared. Any loss of system integrity, whether caused by an interruption of power or a break in a sensing circuit, will cause the Break/Fault relay to operate.

VERSATILE DESIGN

The Eco-1's compact enclosure can be easily mounted to a wall or other flat surface. Providing both visual and audible indication for stand-alone applications. External equipment connectivity is provided by two volt free relays "Leak" and "Break". These can be used for connection to local solenoid valves, BMS or any other remote monitoring systems. A remote alarm panel (AT-RAP) can be added to the system for indication of alarm in separate locations such as reception areas and security rooms.

APPLICATIONS

The Eco-1 is ideally suited to projects where a cost effective leak detection solutions is required, such as smaller commercial spaces or individual residential properties. Suitable areas include, Commercial buildings - tea points, vending areas, kitchens, FCU's, lift pits, plant rooms, tank and pump rooms. Residential Buildings - high risk areas such as, kitchens, bathrooms, WC's, utility rooms and risers.



TECHNICAL INFORMATION

Sensing cable compatibility	All EcoLeak and TraceTek sensing cable (TT1000, 1100, 3000, 5000, 5001 series)
Probe Compatibility	All EcoLeak and Aquitrone probes
Detection Probes	1 x AT-MPS-R or 4 x AT-PROBE per zone
Maximum sensing circuit	30 metres of TraceTek sensing cable
Maximum length of jumper cable	300 metres of jumper cable
Number of Zones	1
Sensing Circuit	2 or 4 wire sensing.
Enclosure	Polycarbonate, colour RAL 7035 matt
Dimensions & Weight	130 x 130 x 60, WxHxD mm. 0.40kg
Ingress Protection	IP66 - Indoor use only
Working Temperature Range	5°C to 40°C
Humidity	5% to 80% non-condensing
Power supply	110 to 240 Vac, 50-60 Hz, 3 watts
Relays	Volt free relay contacts one for leak, one for cable break/power failure (Common, N/Open & N/Closed)
Relay Output	3A 250Vac / 24Vdc. SPDT. Volt free relay contacts activated by leak or cable fault (NC/COM or NO/COM)
Status LED	Power Mains-Green, Leak-Red, Cable break-Yellow
Audible alarm	90dB at 10cm

APPROVALS

Electromagnetic compatibility (EMC)



Compliant with standards for emissions BS EN 61326-1
Compliant with standards for immunity BS EN 61326-1

CFR 47 Pt 15 B Class A - Radio Frequency Devices - Unintentional Radiators

ORDERING INFORMATION

Catalogue number	6124 Eco-1 Single zone alarm Panel 230Vac
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WATER LEAK DETECTION KITS



ORDERING INFORMATION

Catalogue number	6510 EL-10-1 EcoLeak Kit Eco-1, 10m Leader/1m Sensor, Clips/Tags
	6525 EL-10-3 EcoLeak Kit Eco-1, 10m Leader/3m Sensor, Clips/Tags
	6540 EL-10-5 EcoLeak Kit Eco-1, 10m Leader/5m Sensor, Clips/Tags
	6555 EL-10-10 EcoLeak Kit Eco-1, 10m Leader/10m Sensor, Clips/Tags
	6570 EL-10-15 EcoLeak Kit Eco-1, 10m Leader/15m Sensor, Clips/Tags
	6585 EL-10-20 EcoLeak Kit Eco-1, 10m Leader/20m Sensor, Clips/Tags
	6590 EL-10-25 EcoLeak Kit Eco-1, 10m Leader/25m Sensor, Clips/Tags
	6595 EL-10-30 EcoLeak Kit Eco-1, 10m Leader/30m Sensor, Clips/Tags
	6575 EL-MPR EcoLeak Kit Eco-1 with Mini Probe

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