



ft water treatment

EcoLeak

Eco-1 Single Zone Panel

Leak Detection System

The EcoLeak™ Eco-1 leak detection alarm panel is designed for use with **PF Detect** for the detection of chemical liquid leaks. The Eco-1 single zone alarm panel incorporates fault/cable break monitoring for added protection and peace of mind.



SIMPLE OPERATION

The LEDs 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 identified, the panel can reset, which 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.

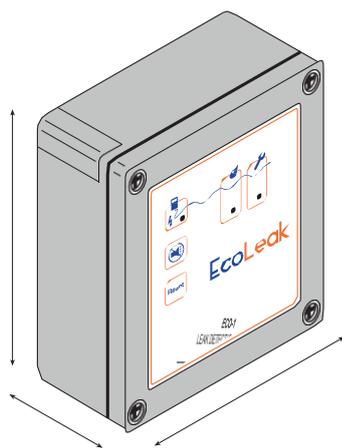
VERSATILE DESIGN

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 'Common'. 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 the dosing kiosk or the control panel.

APPLICATIONS

The Eco-1 is ideally suited to projects where a cost effective leak detection solution is required.

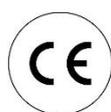




TECHNICAL INFORMATION

Maximum sensing circuit	50 metres
Maximum length of jumper cable	300 metres of jumper cable
Number of zones	1
Sensing circuit	PF Detect 2-wire sensing
Enclosure	Polycarbonate, colour RAL 7035 matt
Dimensions & weight	130w x 130h x 60d mm, 0.4kg
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 leak/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

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