

## ECO-1 Single Zone Alarm Panel

### Product Overview

The EcoLeak™ Eco-1 leak detection alarm panel is designed for use with all Aquitrone 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. Eco-1 Leak Detection System



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.

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 reception areas and security rooms.

## Applications

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

## Ordering Information

Catalogue number 6124 Eco-1 Single zone alarm Panel 230Vac



## 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

## Technical Information

|                                       |   |
|---------------------------------------|---|
| <b>Sensing cable compatibility</b>    | All EcoLeak and TraceTek sensing cable (TT1000, 1100, 3000, 5000, 5001 series)                        |
| Probe Capability                      | All EcoLeak and AquiTron probes   |
| <b>Detection Probes</b>               | 1 x AT-MPS-R or 4 x AT-PROBE per zone   |
| Maximum sensing circuit               | 30 metres of TraceTek sensing cable   |
| <b>Maximum length of jumper cable</b> | 300 metres of jumper cable 300 metres of jumper cable   |
| Number of Zones                       | 1   |
| <b>Sensing Circuit</b>                | 2 or 4 wire sensing.  |
| Enclosure                             | Polycarbonate, colour RAL 7035 matt   |
| <b>Dimensions &amp; Weight</b>        | 130 x 130 x 60, WxHxD mm. 0.40kg  |
| Ingress Protection                    | IP66 - Indoor use only  |
| <b>Working Temperature Range</b>      | 5°C to 40°C   |
| Humidity                              | 5% to 80% non-condensing  |
| <b>Power supply</b>                   | 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)  |
| <b>Relay Output</b>                   | 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   |
| <b>Audible alarm</b>                  | 90dB at 10cm  |

## Important

All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application.