

# EcoLeak

# Eco-6

Six Zone Panel



## DATA SHEET



**aquilar**  
leak detection solutions



# Eco-6

## Multi Zone Alarm

The EcoLeak™ Eco-6 alarm panel is designed for use with all AquiTron and TraceTek sensing cables and sensors for detection of water, acid, hydrocarbon liquids (fuels) leaks. Including built in battery back up as standard, while monitoring for both leak and cable break on up to six separate zones. The Eco-6 is a truly versatile leak alarm panel.

### SIMPLE OPERATION

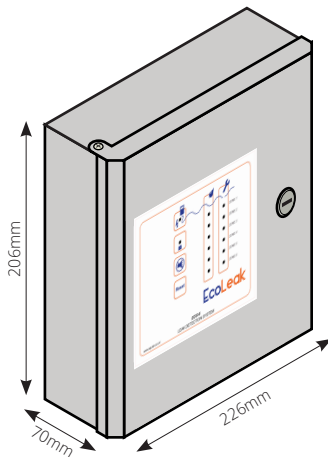
The LED's located on the front faceplate indicate Power, (mains or battery back-up), Alarm, Leak alarm and Cable break for each zone. In the event of a leak or fault, the alarm sounds and a LED indicates, showing the zone where the leak or fault has occurred. The operator silences the alarm by pressing the external MUTE button. Once the alarm has been silenced, the appropriate zone Leak or Cable break LED will continue to be illuminated. Once the cause has been located and corrected the panel can be reset and the corresponding LED will be extinguished. Pressing the reset button also resets the volt free alarm relay contacts. Any loss of system integrity, whether caused by an interruption of power or a break in a sensing circuit, will be indicated by the panel's display.

### VERSATILE DESIGN

Capable of monitoring up to six individual sensing zones. The Eco-6 metal enclosure can be easily mounted to a wall or other flat surface. The enclosure is lockable, has an IP43 rating and a 90 decibel audible alarm. Providing both visual and audible indication for stand-alone applications. External equipment connectivity is provided by two "Leak Detected" and a single "Fault detected" (cable break or power loss) volt free relays for connection to BMS and/or other remote monitoring systems. An auxiliary remote alarm (AT-RAP) can be added to the system for indication of alarm in remote locations such as reception areas and security rooms. The Eco-6 panel operates on 100 to 230Vac (50/60HZ) and 6Vdc by its integral battery backup, providing 24 hours operation in the event of a power failure.

### APPLICATIONS

The Eco-6 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

<b>Sensing cable compatibility</b>	All EcoLeak and TraceTek sensing cable (TT1000, 1100, 3000, 5000, 5001 series)
<b>Probe compatibility</b>	All EcoLeak and Aquitrone probes
<b>Detection Probes</b>	1 x EL-MPS-R or 4 x AT-PROBE per zone
<b>Maximum length of sensing cable</b>	30 metres of TraceTek sensing cable
<b>Maximum length of jumper cable</b>	300 metres per zone
<b>Number of zones</b>	6
<b>Sensing circuit</b>	2 and 4 wire sensing
<b>Enclosure</b>	Powder coated steel, colour RAL 9006 matt, lockable
<b>Cable entry (knockouts)</b>	20mm dia, 6 along the bottom, 8 on the back, 1 on right side
<b>Dimensions and weight</b>	226 x 206 x 70, WxHxD mm. 1.85kg
<b>Ingress Protection</b>	IP43 - Indoor use only
<b>Working Temperature Range</b>	5°C to 40°C
<b>Working Humidity Range</b>	5% to 80% non-condensing
<b>Power supply</b>	110 to 240Vac, 50-60 Hz, 5 watts
<b>Battery back-up</b>	24 hours, integral 6vdc, 1850mA battery
<b>Relays</b>	Volt free relay contacts two for leak, one for cable break/power failure, (SPDT)
<b>Relay rating</b>	5A at 250Vac and 24Vdc
<b>Status LED</b>	Power Mains-Green, Battery-Red, Low Battery-Red flashing, Leak-Red, Cable break-Yellow
<b>Audible alarm</b>	90dB at 10cm



## APPROVALS

### Electromagnetic compatibility (EMC)

**CE** Compliant with standards for emissions BS EN 61000-6-3 2007  
Compliant with standards for immunity EN61000-6-1 2007

The Low Voltage Directive 2006/95/EC

The Electromagnetic Compatibility Directive 2004/108/EC

The Restriction of Hazardous Substances Directive 2011/65/EU

## ORDERING INFORMATION

Catalogue number 6125 Eco-6 Six zone alarm Panel 230Vac

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