

Water leak detection kit including water shut-off valve

EcoLeak

- Tea point, plant and tank room water leak detection kits
- Single zone Eco-1 alarm panel
- Water sensing cable or probe
- WRAS approved water shut-off ball valve



DATA SHEET





Ecoleak ECO-1 water leak detection panel and ball valve automatic water shut-off system

The Ecoleak Eco-1 is a water leak detection control panel designed to work with an electrically actuated ball valve. Together, they provide automatic protection against water damage by detecting leaks and shutting off the water supply.

The Eco-1 kit is available in a variety of options to suite your application.

A choice of 1, 3, 5, 10, 15, 20, 25 and 30 metre Water Sensing cable lengths or a mini liquid sensing probe.

Each sensing cable kit comes complete with:

- A 10 metre leader cable is supplied with all the water sensing cable kits, this connects the panel to the start of the sensing cable. All the sensing cables & leader cables have a male and female connectors (plug/socket) for simple installation
- Hold down clips, adhesive backed and caution, warning tags
- An alternative kit is available using a water sensing mini probe (3m lead) which connects directly into the Eco-1 panel

Kits can include either 15mm (1/2"), 22mm (3/4") or 28mm (1"), 230 Vac motorised automatic water shut-off ball valve (WRAS Approved) to isolate your water supply.



Automatic water shut-off valve



EcoLeak mini water sensing probe



EcoLeak fast drying water sensing cable

Contact Aquilar today:

+ 44 (0) 1403 216100

info@aquilar.co.uk

www.aquilar.co.uk



How it works (simple operation)

1. Leak detection

Sensors placed in key areas (eg tea points, kitchens, bathrooms, plant and tank rooms) continuously monitor for the presence of leaking water.

2. Signal to control panel

When water is detected, the sensor sends an instant signal to the Eco-1 control panel, which is a 230v mains powered panel. Refer to installation, operation and maintenance instructions.

3. Automatic shut-off (water supply isolation)

The Eco-1 activates the motorised ball valve installed on the main water supply line. The ball valve closes, stopping the flow of water to the protected area or building.

4. Alert indication

The panel provides a visual and/or audible alarm to indicate a leak has been detected and the system has been activated.

5. Reset (sensing cable or mini probe dries)

Once the leak has been resolved and the sensing cable or mini probe has dried, the system can be reset and the valve reopened via the control panel.

Versatile design

- Compatible with multiple leak sensor types (floor mini probes, cable sensors)
- Works with electrically operated ball valves of various pipe sizes, we supply with these kits 15mm (1/2"), 22mm (3/4") or 28mm (1"), however valves are available up to 200mm.
- Suitable for integration into building management systems (BMS) or other types or remote alarm monitoring
- 230 Vac voltage control and valve for simple mains powered operation
- Compact control panel suitable for wall mounting in plant rooms or service areas

Key benefit

The system provides automatic protection against water damage, reducing the risk of costly flooding by shutting off the water supply immediately when a leak is detected.

Contact Aquilar today:

+ 44 (0) 1403 216100

info@aquilar.co.uk

www.aquilar.co.uk

Ordering information

Code number	Water sensing cable kits, 1 to 30m sensing cable lengths
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
Code number	Water sensing probe kit
6575	EL-MPR EcoLeak Kit Eco-1 with Mini Probe



Kits can include either 15mm (1/2"), 22mm (3/4") or 28mm (1") motorised automatic water shut-off ball valve (230 Vac, WRAS Approved) to isolate your water supply. Alternative valves are available up to 200mm.

Code number	Water sensing cable kits with 15mm motorised automatic water shut-off ball valve (WRAS Approved)
6800	AT-B/V-15-230 15mm - 1/2" ball valve with actuator – WRAS Approved 110-240 vac, normally open
6801	AT-B/V-22-230 22mm - 3/4" ball valve with actuator - WRAS Approved 110-240 vac, normally open
6802	AT-B/V-28-230 28mm - 1" ball valve with actuator - WRAS Approved 110-240 vac, normally open



Separate data sheets and installation and operation instructions are available on these links

- [Eco-1 Alarm Panel Datasheet](#)
- [Eco-1 Alarm Panel Installation Operation and Maintenance Instructions](#)
- [EcoLeak Water Sensing Cable Datasheet](#)
- [EcoLeak Mini Water Sensing Probe Datasheet](#)
- [EcoLeak Leader Cable Datasheet](#)
- [AquiTron Motor Actuated Ball Valve Datasheet](#)

Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Aquilar Limited makes no warranty as to the accuracy or completeness of the information, and disclaims any liability regarding its use. The only obligations of Aquilar Limited are those in the Aquilar Standard Terms and Conditions of Sale for this product, and in no case will Aquilar Limited be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product. Specifications are subject to change without notice. In addition, Aquilar Limited reserves the right to make changes – without notification to Buyer – to processing or materials that do not affect compliance with any applicable specification. AquiTron, EcoLeak are trademarks of Aquilar Limited.

Contact Aquilar today:

+ 44 (0) 1403 216100

info@aquilar.co.uk

www.aquilar.co.uk