



The Aqualeak AquaGuard Dual combines flow monitoring with sensor-based water leak detection, to provide a comprehensive system ideal for installation in new build, multi-dwelling residential developments.

As a hybrid system that connects to a flow meter and sensor device(s), the AquaGuard Dual can quickly and effectively detect leaks of all kinds, from burst pipes to slow drips and seeping soil stacks, from a single, integrated system.

When a leak is detected, the AquaGuard Dual can initiate a near-immediate action, including the closure of an automatic shut-off valve to isolate water and minimise the damage caused.

With no remote connectivity, ongoing subscriptions and battery replacement required, the AquaGuard Dual provides a cost-effective option to customers seeking solid and reliable water leak detection in order to protect property. The AquaGuard Dual also meets the Escape of Water requirements of the insurance policies of major insurers.

Benefits

- Provides both flow and sensor-based monitoring from one control panel
- Can connect to multiple sensors to monitor different areas
- Monitors both volume and time of flow in real time to detect issues instantly
- Will immediately initiate an action when a leak is detected, minimising damage
- Easy to program, using capacitive touch buttons to adjust thresholds
- Highly cost effective
- Can help meet insurer requirements
- Thresholds can be tailored to a property's typical usage

Features

- Built-in visual and audible alarms
- WRAS-approved meter/valve supplied
- Can connect to a Building Management System (BMS)
- Wall or flush mounted and mains powered
- Connects to a variety of sensing devices
- Compatible with multiple pipe sizes
- Thresholds adjustable in increments of 1 minute/1 lpm
- If excessive water use is expected, system can be overridden for limited period of time
- CE-marked

Operation

In operation, the AquaGuard Dual continuously monitors a water meter and sensors connected to it for abnormal flow or unwanted presence of water. If a leak is detected, the AquaGuard Dual will and/or can be configured to:

- Activate a visual alarm
- Sound a buzzer
- Report alarm status to a connected Building Management System (BMS)
- Can send SMS alerts when paired with ancillary devices
- Shut-off local water supplies using an automatic valve
- Holiday mode, which closes the valve if no flow is detected for a set time

Technical Specifications	
AQUAGUARD DUAL	Specification
<i>Dimensions - Panel</i>	146 x 86 x 69 mm - Width x Height x Depth
<i>Weight</i>	300 Grams (0.3 Kilograms)
<i>Environmental protection</i>	IP65
<i>Supply voltage</i>	100-240 (VAC Volts / Alternating Current) 60 Hz frequency
<i>output relay voltage</i>	250 VAC Max.
<i>output relay current</i>	8 Amps. Maximum into resistive load
<i>Relay minimum load</i>	10 Milliamps - at 5 VDC (Volts / Direct Current)
<i>Alarm (audible)</i>	85 dB. Within 0.6 m range
<i>Alarm (visual)</i>	LED Indicator - Front Panel
<i>Operating temperature</i>	0 to +50°C (Degrees Centigrade). Ambient temperature
<i>Operating humidity</i>	10 to 95% Relative humidity (non-condensing) at 45°C
<i>Operating altitude</i>	0 to 3,000 Metres
<i>Storage temperature</i>	-20 to +70°C
<i>Input channels</i>	1
<i>Flow rate</i>	Minimum flow - 2.0 L/Min* Maximum flow - 30.0 L/Min, 3 % accuracy*
<i>Sampling rate</i>	Every 30 seconds
<i>Maximum cut off time if pipe sheared (water flow above pre-set maximum flow setting).</i>	30 seconds
<i>“Time Out” pre-set time</i>	Factory set for 10 minutes Adjustable from 1 to 99 minutes

*Flow rates applicable for standard 22mm flow meter. Other meter sizes are available upon request.

