

AquaTek

AquaTek is an entry level water leak detection system for single zones.

It reduces the risk of flooding by giving audible and visual alarms when a water leak is detected.



An **AquaTek** system comprises the **AquaTek** device and one or more sensors.

AquaTek can be used with sensor cables or one or more sensor probes. Sensor cables and sensor probes can be mixed in the same installation.

Control of **AquaTek** is through a single button on the front of the unit.

If a water leak is detected, **AquaTek** will sound a buzzer and a red LED on the front of the unit will illuminate. An output relay allows the **AquaTek** to alert a Building Management System (BMS), or to activate an auto-dialler or SMS to provide external notification of the water leak. Alternatively, the output relay may be used to attach the **AquaTek** to a remote repeater.

Once activated, the buzzer may be silenced by pressing the button on the front panel.

Instead of being connected to a BMS, **AquaTek** may be connected to a solenoid operated isolation valve fitted into the cold-water mains supply pipe*. Then, if the **AquaTek** detects a water leak it will activate the valve, cutting OFF the cold-water supply.

When a leak has been repaired and the sensors dried **AquaTek** will automatically reset.

AquaTek is for indoor use only and must not be used where there is a danger of freezing. Sensor cables and sensor probes are purchased separately.

*Please note that the isolation valve must be installed horizontally with the actuator facing upwards.

Benefits

- ❖ Reduces risks from flooding.
- ❖ Audible and visual alarm when water leak detected.
- ❖ Simple to use.
- ❖ Optionally, may be used to turn water OFF when leak detected.

Main Features

- ❖ Compact design.
- ❖ Mains powered.
- ❖ Single zone system.
- ❖ For domestic (e.g. luxury apartments) and small commercial applications.
- ❖ CE marked.
- ❖ May be connected to a BMS, a remote repeater, or a SMS or auto-dialler.
- ❖ Automatic reset when water leak fixed.

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SPECIFICATION	
Dimensions (W x H x D)	80 mm x 85 mm x 55 mm
Power Supply	240 V, $\pm 10\%$, 50/60 Hz or 110 V, $\pm 10\%$, 50/60 Hz
Power consumption	30 mA
Alarm	Audio alarm (buzzer) and warning LED (red)
Ingress Protection	IP51
Operating temperature range	0°C to +30°C (32°F to 86°F)
Humidity	5% to 95% non-condensing
Construction	Plastic
Sensor types available	Sensor cable Sensor probes
Maximum sensor cable run (sensor cable(s) plus interconnecting wiring)	30 m
Maximum number and length of sensor cables	Any combination of sensor cables and wiring up to a maximum length of 30 m
Maximum number of sensor probes	Unlimited (length of connecting wiring must not exceed 30 m)
Output signal	1 x No-Volt relay
Common relay rating	240 VAC, 8 A
Approvals	CE Marked
Compliance	Radio and Telecommunications Terminal Equipment & TTE directive 1999/5/EC
	Low Voltage Directive 73/23/EEC
	EMC Directive 89/336/EEC
Aqualeak Product Code	ATK240AV