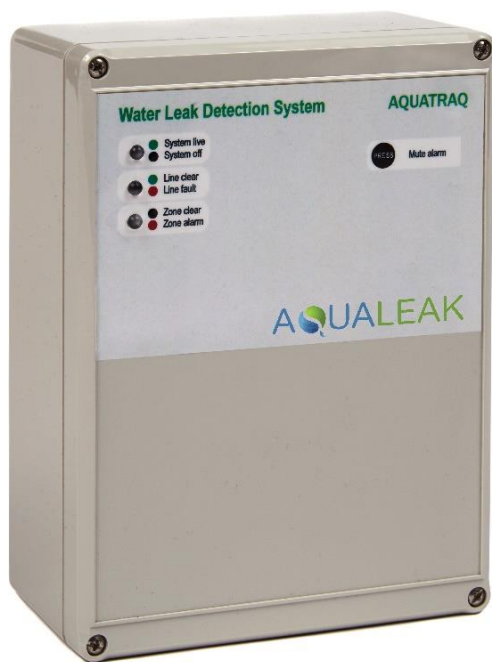


# AquaTraq

**AquaTraq** is a single zone water leak detection system for critical areas such as comms rooms, data storage areas, server rooms and plant rooms.

**AquaTraq** reduces the risk of flooding by giving audible and visual alarms when a water leak is detected. It can also activate an isolation valve to cut off the water supply in the event of a leak.



An **AquaTraq** system comprises an **AquaTraq** device and one or more sensors.

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

**AquaTraq** is controlled through a single button on the front of the unit.

If a water leak is detected, **AquaTraq** will sound a buzzer and the zone alarm LED on the front of the unit will illuminate red. An output relay allows the **AquaTraq** 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 **AquaTraq** to a remote repeater.

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

A second output relay allows the **AquaTraq** to be connected to a solenoid operated isolation valve fitted into the cold-water mains supply pipe\*. Then, if the **AquaTraq** detects a water leak, it will activate the valve, cutting OFF the cold-water supply.

The **AquaTraq** unit can be supplied with an optional internal rechargeable battery that provides up to 10 hours operation in the event of the mains power supply failing. The internal battery is recharged by the **AquaTraq** unit once mains power is restored.

## Benefits

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

## Main Features

- ❖ Single zone system.
- ❖ Mains powered.
- ❖ Optional battery back-up for up to 10 hours.
- ❖ Designed for critical 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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Please note that in the event of a power failure, an **AquaTraq** operating on battery power cannot cut off the water supply by operating the isolation valve.

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

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

SPECIFICATION	
Dimensions (W x H x D)	150 mm x 200 mm x 80 mm
Power Supply	240 V, ± 10%, 50/60 Hz
Power consumption	30 to 50 mA
Alarm	Audio alarm (horn)
LED indicators:	
System Live/System off indicator	Green LED
Line clear/Line fault indicator	Green/red LED
Zone clear/Zone alarm indicator	Red LED
Ingress Protection	IP65
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 cables Sensor probes
Maximum sensor cable run (sensor cable(s) plus interconnecting wiring)	100 m
Maximum number of sensor cables (Sensor cables are connected in series)	Any combination of sensor cables and wiring up to a maximum length of 100 m
Maximum number of sensor probes	Unlimited. (maximum length of connecting wiring 100 m)
Output signals	2 x No-Volt relay
Output relay rating	240 VAC, 8 A
Output relay contacts	Common/Normally Open/Normally Closed
Max number of isolation valves per relay	2
Other relays	Reset
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	AQTQ001 (AQT001BB with battery back-up)

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

## AQUALEAK DETECTION LTD

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