



**3 Kent Road, Dagenham, Essex, RM10 8HA,  
United Kingdom**

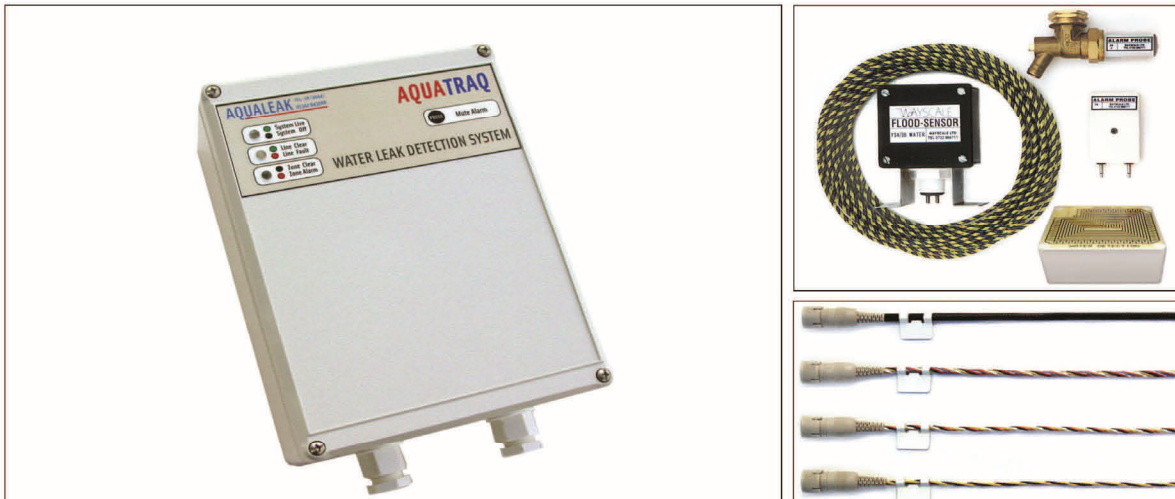
**Tel: +44 (0) 845 686 6066**

**Fax: +44 (0) 845 686 6067**

**Email: [info@resikom.com](mailto:info@resikom.com)**

**Web: [www.resikom.com](http://www.resikom.com)**

## WATER LEAK DETECTION SYSTEM: AquaTraq



The Aqualeak AquaTraq Water Leak Detection Units continue to represent the latest technical developments in security against ingress of water into areas housing high technology equipment, archive records, electrical switch rooms, boiler houses etc. The AquaTraq System uses the proven Aqualeak principle of utilising an AC field sensing signal to detect water rather than the erosive and oxidising DC signal. Well over 5,000 systems have been installed in the UK and overseas in the last 20 years, many using the Linear Water Detection Cable, also developed by Aqualeak.

The AquaTraq Unit is available as a Single Zone modular cabinet and can monitor from the full range of Aqualeak Linear Leak Detection Sensor Cables, Sensor Tape or from multiple Water Detection Sensor Probes, Sensor Pads, Overflow/Level sensors etc. AquaTraq Units are supplied completely ready for use. All they require is screw fixing to the wall, a local power supply, and connection the Sensor Cable. Units have three levels of indication; green ZONE HEALTHY; red - ZONE FAULT or WATER DETECTED. An audible alarm is activated by any abnormal conditions and is silenced by pressing the mute button. The alarm is designed to automatically reset, requiring no operator input, but alarm lights remain on until the condition clears and this too automatically resets when condition clears. AquaTraq units can be supplied with optional Battery Backup to enable the system to continue functioning for 10 hours under full alarm conditions during a mains power failure.

Water Detection Sensor Cables are supplied in plug-connected lengths of 5 or 10m which connect to the control unit, to each other and to 'end of line' terminators monitoring for line continuity. Having stainless steel sensor cores the Cable is resistant to corrosion/erosion chemicals. The Cable is flexible and can be permanently bent into any required shape. If the detection area is some distance away, a plug-connected two-core 'Leader Cable' can be supplied, or plugs can be provided for on-site installation. Water Detection Sensor Cable has advantages over fixed Pads/Sensors in cases where long lengths of pipework are being monitored or where an entire piece of equipment needs to be monitored to ensure no water can escape. The Cable can be laid on the floor slab loose, fixed down with self adhesive plastic cable clips, or with the clips reinforced with contact adhesive. For pipework applications the Sensor Cable is tie-wrapped or taped to the base of the pipe. Please note the Cable should be on the *outside* of any lagging because lagging retains moisture. For monitoring of Air Conditioning Units the Sensor Cable should be laid in the floor void at least 300mm *wider* than the footprint of the A/C unit to ensure the humidifier carry-over does not activate false alarms. Using the multi-zone detection principle ensures that if more than one leak occurs in the same operational area this too can be detected. Potentiometer pots are provided for each zone to enable on-site adjustment by the user of the system sensitivity. Sensor Probes/Pads are fitted in 'parallel' and are normally hard wired, so the Leader Cable would be provided to be cut, fitted and terminated on site.

The AquaTraq system is provided with two output alarm relays. The 'Alarm' relay is for linking to an optional Aqualeak Remote Alarm Unit (requires main power), or to link to a BMS system, or to switch on sump pumps, to shut water solenoid valves, to shut down process equipment or switch off power supplies etc. The second relay can be used by the BMS to 'time/date stamp' when the mute button was pressed to indicate when the alarm was acted upon, or to mute an external sounder. The AquaTraq System can also be linked to the optional Aqualeak Automatic Telephone Dialling Unit which telephones remote addresses to advise that the emergency has occurred. A single alarm Autodial is also available.

AQUATRAQ Unit Zone	: Single Zone (Two/Three/Four)	Detection Cable Type	: Fully flexible non-braided Sensor Cable
Controller Size mm ABS	: 150 Wide x 200 High x 80 Deep		with Stainless Steel sensor cores

**Resikom Limited**

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**Fax: 0845 686 6067**