

AT401

DELUXE HARD WIRED Leak Detection System



About the AT401

Our deluxe programmable Leak Detection System with an integrated automatic Shutoff Valve. Aquatrip units are designed to detect leaks, reduce water bills, stop water wastage and minimise potential water damage from burst pipes.

The Aquatrip AT401 monitors the flow of water across all plumbing pipes on a property, and like a trip switch, will shut off the water automatically if a leak (in a toilet, cistern, pipes, appliance, etc.) is detected. An Aquatrip unit can detect leak flow as small as 30ml/minute and can differentiate between normal water use and a plumbing leak.

Why the AT401

The Aquatrip AT401 provides silent, invisible and automatic plumbing protection for your property or asset. It is a mains powered leak detection unit fitted with a backup battery.

It uses a sleek wall mount **Control Panel** from which a user can control the entire system. There are advanced protection features such as a Home/Away mode, Nightwatch, Smart Auto Away sensing, System Self Monitoring protocols and Sleep Modes. It is perfect for use in apartments, holiday homes, residential houses and small office buildings.

Additional Features

The Aquatrip AT401 can integrate with an existing alarm system when a leak is detected and can be integrated with Aquatrip Wireless Wetness Sensors. The control panel displays water consumption and cost if connected to your water meter (requires an optional extra cable). The Aquatrip AT401 can be controlled remotely through www.aquatriponline.com

Product Features

- **Patented Leak Sensor** with integrated Shutoff Valve. Shuts off water once a leak is detected
- **Wall Mounted Control Panel** to program and control system (with backup battery)
- Water can be shut off from **Control Panel**, no need to access the incoming main tap.
- **Fast Test Facility** allows rapid check of system functions
- **Leak Detection Sensing System** with Peak / Off Peak usage modes
- **Early Warning indicator** prevents water turning off unexpectedly.
- **Home/Away modes** for increased leak detection and protection
- **Water Flow Indicator** on Control Panel
- **Nightwatch mode** for increased overnight leak detection
- **Sleep Mode** - Exclusion Periods disable flow monitoring during a set time (e.g. during office hours)
- **Temporary System Override** for a single extended water use (e.g. to fill a pool)
- Easy **Emergency Manual Override**

Installation

- **System automatically self monitors** every two weeks
- **Replaceable mesh filter** protects units from debris in water supply
- **Optional wireless Wetness Sensors** available for more localised leak detection (with AT401R model only)
- **Output** to trigger a **House Alarm** or **GSM dialler** or Building Management System
- **Accessory port** may allow connection of movement sensors, reset switches or water meter input signal
- **Displays real time water consumption and cost** connected to the existing water meter
- Available with either **PVC or S/Steel Shutoff Valves** – optional sizes from 15mm to 50mm available
- Requires a **90-degree adapter** if installed in a vertical position



Model	Valve Size	Valve Material	Valve Thread	LxWxH in mm	Operating Pressure	Maximum Pressure	Operating Temperature	Flow Range @ 75 psi	Flow Sensing	Power Supply
AT401-P25	1" 25mm	PVC	BSP or NPT	84 x 77 x 179	10 - 150 PSI 69 - 1034 KPa	150 PSI 1034 KPa	0 °C - 50 °C 33 °F - 122 °F	0 - 113 L/min 0 - 22.2 GPM	From 50ml/min	500ma 12v PSU
AT401-P50	2" 50mm	PVC	BSP or NPT	160 x 120 x 285	20 - 150 PSI 138 - 1034 KPa	150 PSI 1034 KPa	0 °C - 50 °C 33 °F - 122 °F	18 - 454 L/min 5 - 120 GPM	From 50ml/min	500ma 12v PSU
AT401-S40	1 1/2" 40mm	SS316	BSP or NPT	128 x 94 x 174	7 - 150 PSI 49 - 1034 KPa	150 PSI 1034 KPa	0 °C - 50 °C 33 °F - 122 °F	0 - 460 L/min 0 - 121 GPM	From 50ml/min	500ma 12v PSU

Warranty: This product is warranted to be free from defects in materials and workmanship for a period of two years from the date of installation, provided that the product is used in accordance with the installation, maintenance and testing requirements described in this Installation and Owners Manual. Failure due to: incorrect installation; misuse; water ingress from negligence; uncompleted prescribed service schedules; discharged, leaking and corroding batteries, are not covered by the warranty. The warranty is limited to the replacement of the faulty parts or components, and does not cover the cost of removal and/or re-installation of the replacement components or device. The warranty becomes null and void if the unit has been tampered with, repaired, or damaged by any unauthorized person. The national distributor responsible for this warranty reserves the right to inspect and test the products for the purpose of determining the extent of any defect and the validity of any claim made under this warranty. For specific warranty terms and exclusions and detailed warranty and indemnity conditions applicable and relating to your country or state, refer to our website www.aquatrip.co.za.