# AT301

# **Deluxe** remote control Leak Detection System



#### **About the AT301**

An advanced 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 AT301 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 AT301

The Aquatrip AT301 provides silent, invisible and automatic plumbing protection for your property or asset.

The AT301 is battery operated and can be installed anywhere.

The AT301 is simple to use with operation through a **hand-held remote** control

The AT301 has advanced protection features such as a Home/Away mode,

Nightwatch, Smart Auto Away sensing, System Self Monitoring protocols and Sleep Modes (to enable scheduled irrigation).

The AT301is it perfect for use in apartments, holiday homes, residential houses and irrigation lines at schools, campuses, estates and universities.

### **Additional Features**

The AT301 can be integrated with Aquatrip Wireless Wetness Sensors.

The AT301 remote control displays water consumption and cost if connected to your water meter (requires an optional extra cable).

#### **Product Features**

- Patented Leak Sensor with integrated Shutoff Valve. Shuts off water once a leak is detected
- Wireless remote control to easily program and control the system
- Water can be shut off from Remote 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 & protection
- Nightwatch mode for increased overnight leak detection
- Sleep Mode Exclusion Periods disable flow monitoring during the set time e.g. during office hours
- Trip Counter logs each time valve is tripped and keeps record of most recent leak detection
- Temporary System Override for a single extended water use (e.g. to fill a pool)
- Easy Emergency Manual Override
- Battery power level indicator with low battery warning

#### Installation

- System automatically self monitors every two weeks
- Replaceable mesh filter protects units from debris in water supply
- Accessory input port allows connection of optional movement sensors or remote water reset switches
- Supplied standard with a 25mm PVC Shutoff valve. Optional sizes from 15mm to 80mm in PVC or Stainless Steel
- Requires a 90-degree adapter if installed in a verticle position

## Tel: (+27) 21 511 6948 | www.aquatrip.co.za



CERTIFIED TO NSF/ANSI 61 & 372



SANS 1808-35:2010



Cert 23037 S030 Cert 23251 S476



Certified to mee ATS5200.476



Model	Valve Size	Valve Material	Valve Thread	LxWxH in mm	Operating Pressure	Maximum Pressure	Operating Temperature	Flow Sensing	Flow Range @ 75 psi	Power Supply
AT301-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	From 50ml/min	0 - 113 L /min 0 - 29 GPM	1x 9v & 5 x AA Alkaline Batteries
AT301-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	From 50ml/min	18 - 454 L/min 5 - 119 GPM	1x 9v & 5 x AA Alkaline Batteries
AT301-S40	1 ½" 40mm	S/Steel 316	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	From 50ml/min	0 - 460 L /min 0 - 121 GPM	1x 9v & 5 x AA Alkaline Batteries

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.