Each year millions of households will come home to this - don't be one of them !

Protect your investment !

Fit an AquaTrip water Trip Switch and protect your home

Prevent water leaks draining your wallet !

HELP

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AT301 - Deluxe remote control Leak Detection System

The AT301 is a fully programmable Leak Detection System with an integrated automatic Shutoff Valve. It is designed to detect leaks and thus help to minimize water damage, reduce water bills and stop water wastage. It will constantly monitor all the plumbing pipes, fittings and water using appliances on the property, and like a trip switch, will shut off the water automatically if a tap, fitting, pipe, hose, toilet cistern or appliance is leaking or left running. It can detect the difference between your normal water use and a plumbing leak or tap left running by mistake, and alert you to plumbing problems as they occur, which you may other wise be unaware of.

The AT301 is very simple to use. There is a wireless Control Panel which is used to control and program the system. The entire system is powered by long life batteries and needs no wiring or electrical connection. The wireless compact design allows for installation above or below ground or inside the house, basement or machine room.

It has advanced protection features such as Home/Away mode, Nightwatch, Smart Auto Away sensing, System Self Monitoring protocols and Sleep Modes so that you can still run your irrigation without triggering the system.

Its low cost and simple installation and operation make it perfect for use in apartments or residential houses or commercial washrooms alike, where it can provide silent, invisible and automatic plumbing protection.

Additional options and accessories available -

- Wireless Wetness Sensors can be fitted in areas where leaks are more likely. (conditions permitting)

- The Control Panel can display your water consumption and its cost, if it is connected to your water meter. This feature requires an optional extra cable, to connect to the water meter and is not available for all meters.

- For commercial applications, the system can be controlled using movement sensors or remote switches for automatic control of public washrooms and toilet blocks, or other commercial facilities with high water usage.

AT301-S25 (with 25mm Steel valve shown)

Features
- **Patented Leak Sensor** with integrated shutoff valve, shuts off water once leak is detected
- **Wireless portable Control Panel** to easily program and control the system
- **Fast Test Facility** allows rapid check of system functions.
- **System Check Function** assists in quick identification of leaks when detected
- **Leak Detection Sensing System** has Peak / Off Peak water usage modes to enhance detection capability
- **Early Warning Indicator** warns user before water is shut off - prevents water turning off unexpectedly.
- **Home/Away modes** for increased leak detection protection - Automatic or Manual settings available
- **Nightwatch mode** for increased overnight leak detection sensitivity
- **Sleep Mode** - programmable leak detection Exclusion Period disables flow monitoring during the set time. Eg: when using garden irrigation systems, or during busy office hours in commercial washrooms
- **Trip Counter** logs each time valve is tripped and keeps record of most recent trip event
- **Temporary System Override** from Control Panel for occasional longer than normal water usage.
- **Emergency Manual Override** if system needs to be turned off for building work/maintenance
- **Battery power level indicator** on Control Panel with low battery warning alarm
- **Water can be shut off** from Control Panel, no need to access the incoming main tap.
- **System has inbuilt self monitoring protocol** to check and maintain functionality
- **Replaceable mesh** filter protects units from debris in water supply
- **Optional wireless Wetness Sensors** available for more localised leak detection
- **Accessory port** may allow connection of movement sensors, reset switches or water meter input signal.
- **Can display real time water consumption and cost** if able to be connected to the existing water meter* **Available with either PVC or S/Steel Shutoff Valves** — optional sizes from 15mm to 50mm available

Technical Specifications (* denotes optional valve sizes available to order)

MODEL	AT301-P25	AT301-P50*	AT301-S15*	AT301-S20*	AT301-S25*	AT301-S40*
Valve Size	1" 25mm	2" 50mm	1/2" 15mm	3/4" 20mm	1" 25mm	1 ½" 40mm
Valve Material	PVC	PVC	S/Steel 316	S/Steel 316	S/Steel 316	S/Steel 316
Valve Thread	BSP or NPT	BSP or NPT	BSP or NPT	BSP or NPT	BSP or NPT	BSP or NPT
LxWxH in mm	84 x 77 x 179	160 x 120 x 285	68 x 48 x 152	80 x 55 x 161	95 x 69 x 167	128 x 94 x 174
Operating Pressure Range	10 - 150 PSI	20 - 150 PSI	7 - 150 PSI	7 - 150 PSI	7 - 150 PSI	7 - 150 PSI
	69 - 1034 KPa	138 - 1034 KPa	49 - 1034 KPa	49 - 1034 KPa	49 - 1034 KPa	49 - 1034 KPa
	0.69 - 10.3 Bar	0.69 - 10.3 Bar	0.5 - 10.3 Bar	0.5 - 10.3 Bar	0.5 - 10.3 Bar	0.5 - 10.3 Bar
Maximum Operating Pressure	150 PSI	150 PSI	150 PSI	150 PSI	150 PSI	150 PSI
	1034 KPa	1034 KPa	1034 KPa	1034 KPa	1034 KPa	1034 KPa
	10.3 Bar	10.3 Bar	10.3 Bar	10.3 Bar	10.3 Bar	10.3 Bar
Operating Temperature Range	0 °C - 50 °C Cold Water only	0 °C - 50 °C Cold Water only	0 °C - 50 °C Cold Water only	0 °C - 50 °C Cold Water only	0 °C - 50 °C Cold Water only	0 °C - 50 °C Cold Water only
	33 °F - 122 °F Cold Water Only	33 °F - 122 °F Cold Water Only	33 °F - 122 °F Cold Water Only	33 °F - 122 °F Cold Water Only	33 °F - 122 °F Cold Water Only	33 °F - 122 °F Cold Water Only
Flow Range @ 75psi	0 - 113 L /min 0 - 29 GPM	18 - 454 L/min 5 - 119 GPM	0 - 126 L/min 0 - 33 GPM	0 - 186 L/min 0 - 49 GPM	0 - 240 L /min 0 - 63 GPM	0 - 460 L /min 0 - 121 GPM
Flow Sensing Capacity	From 50ml/min From 1.7oz per min	From 50ml/min From 1.7oz per min	From 50ml/min From 1.7oz per min	From 50ml/min From 1.7oz per min	From 50ml/min From 1.7oz per min	From 50ml/min From 1.7oz per min
Power Source	1x 9v and 5 x AA Alkaline Batteries	1x 9v and 5 x AA Alkaline Batteries	1 x 9V and 5 x AA Alkaline Batteries	1 x 9V and 5 x AA Alkaline Batteries	1 x 9V and 5 x AA Alkaline Batteries	1 x 9V and 5 x AA Alkaline Batteries

Optional Accessories available

Part Number	Description
WS1	Wireless Wetness Sensing signal station - floor mount control box with integrated sensor
WS2	Wireless Wetness Sensing signal station - wall mount control box with sensor component on separate fly lead
SB-02	Wireless stainless steel vandal resistant reset Switch Box for commercial washroom applications
SB-04	Wireless plastic reset Switch Box for domestic or commercial applications
PIR-BP1	Ceiling mount Infrared Movement Sensor with 10 year lithium battery
MW15	In ceiling mount Microwave Movement Sensor with 12v power supply
VB-275R	Ground Box 275mm round
VB-220S	Ground Box 220mm square
EXT- RA90	90 degree Adapter for vertical pipe installations

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