AT302 - Deluxe remote control Leak Detection System

The AT302 is a fully programmable, autonomous 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 AT302 is very simple to install and use. A wireless Control Panel is used to control and program the system, which is powered by long life batteries and needs no wiring or electrical or WiFi connection. It monitors all water flow 24/7/365 and responds automatically to any leaks detected with no intervention required by the user. The wireless compact design allows for installation above or below ground, inside or outside the house or building.

It has advanced fully programmable protection features such as Home/Away mode, Nightwatch, Smart Auto Away sensing, System Self Monitoring protocols and Sleep Modes to minimise the response time to leaks. It can be programmed to also ignore irrigation systems which may use excessive water for long time periods.

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.

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
- **Flow Indicator** shows water flow on Control Panel
- **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
- **Available with either PVC or S/Steel Shutoff Valves** — sizes from 15mm to 50mm available

Technical Specifications (* denotes valve size and material)

MODEL	AT302-P25*	AT302-P40*	AT302-P50*	AT301-S15*	AT301-S20*	AT301-S25*
Valve Size	1" 25mm	2" 40mm	2" 50mm	1/2" 15mm	3/4" 20mm	1" 25mm
Valve Material	PVC	PVC	PVC	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	140 x 100 x 245	160 x 120 x 285	68 x 48 x 152	80 x 55 x 161	95 x 69 x 167
Operating Pressure Range	10 - 150 PSI 69 - 1034 KPa 0.69 - 10.3 Bar	20 - 150 PSI 138 - 1034 KPa 0.69 - 10.3 Bar	20 - 150 PSI 138 - 1034 KPa 0.69 - 10.3 Bar	7 - 150 PSI 49 - 1034 KPa 0.5 - 10.3 Bar	7 - 150 PSI 49 - 1034 KPa 0.5 - 10.3 Bar	7 - 150 PSI 49 - 1034 KPa 0.5 - 10.3 Bar
Maximum Operating Pressure	150 PSI 1034 KPa 10.3 Bar	150 PSI 1034 KPa 10.3 Bar	150 PSI 1034 KPa 10.3 Bar	150 PSI 1034 KPa 10.3 Bar	150 PSI 1034 KPa 10.3 Bar	150 PSI 1034 KPa 10.3 Bar
Operating Temperature Range	0 °C - 50 °C 33 °F - 122 °F Cold Water only	0 °C - 50 °C 33 °F - 122 °F Cold Water only	0 °C - 50 °C 33 °F - 122 °F Cold Water only	0 °C - 50 °C 33 °F - 122 °F Cold Water only	0 °C - 50 °C 33 °F - 122 °F Cold Water only	0 °C - 50 °C 33 °F - 122 °F Cold Water only
Flow Range @ 75psi	0 - 113 L per min 0 - 29 GPM	9 - 220 L per min 2 - 55 GPM	18 - 454 L per min 5 - 119 GPM	0 - 126 L per min 0 - 33 GPM	0 - 186 L per min 0 - 49 GPM	0 - 240 L per min 0 - 63 GPM
Flow Sensing Range	From 50ml per min From 1.7oz per min	From 50ml per min From 1.7oz per min	From 50ml per min From 1.7oz per min	From 50ml per min From 1.7oz per min	From 50ml per min From 1.7oz per min	From 50ml per min From 1.7oz per min
Power Source	5 x AA Alkaline Batteries	5 x AA Alkaline Batteries	5 x AA Alkaline Batteries	5 x AA Alkaline Batteries	5 x AA Alkaline Batteries	5 x AA Alkaline Batteries

Optional Accessories available

Part Number	Description
WS1	Wireless Wetness Sensing signal station - floor mount control box with integrated sensor
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 ultra long life lithium battery
VB-220S	Ground Box 220mm square
RA90	90 degree Adapter for vertical pipe installations

Certification and Regulatory

WaterMark
23037 AS4030

SABS APPROVED

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