

## AT201P & AT201EP

## Public Facility Leak Detect on and Water Loss Management System

The AT201P and AT201EP are Programmable Manual or Automatically Controlled Leak Detectors designed to detect leaks, reduce water bills, stop water wastage and minimize water damage. They will monitor the flow of water into the facility and have the ability to shut off the water automatically in the event of a tap left running, a burst pipe, or if a tap, fitting, pipe, toilet cistern or appliance is leaking. They can detect the difference between the normal water use of the facility and a plumbing leak or a tap left running by mistake and will protect the entire plumbing system.

These models are specifically designed for the detection of leaks and water waste in Public Toilets and Washrooms and other public use facilities such as Commercial Office Toilets & Kitchens. The system is able to detect these water loss events while not interfering with the daily use of the facility and thus cause no inconvenience to patrons. This is achieved by having the AquaTrip operating fully automatically with no human intervention required. If a leak is detected the AquaTrip will shut off the water to prevent waste and damage. However if a patron wishes to use the facility, on entering the facility they will trigger a sensor which will turn the water supply to the facility back on. Once they leave the facility, the system will check no patrons are present, and if the leak is still present, it will shut off the water supply again. If there are no leaks, the AquaTrip will just sit in a monitoring state. The AT201P has a counter on board which logs each time a leak is detected, so maintenance staff can log any leaks which occur. If the counter is not triggered they can be sure the facility is functioning normally and is leak free.

Model AT201EP also includes a Sleep Mode, which allows the system to ignore all water usage activity in the facility during normal usage time periods and then turn on and monitor the facility after hours when the facility is not in use. The facility manager can easily set the times that the AquaTrip operates, as it is fully programmable.

The AT201P/EP series are compact stand alone systems designed for all environments, above or below ground installation or internal installation. They are powered by a 9 volt Alkaline or Lithium\* battery with an estimated life of up to 4 years\*.

### Features - Model AT201P

- Patented Leak Sensor shuts off water once a leak is detected
- Fast Test Facility allows rapid system function check
- System Check facility assists in quick identification of leaks
- Leak Detection Time adjustable from 1 to 180 minutes
- Can connect to optional Movement Sensors for fully automatic operation
- Can connect to optional external Reset Switches for manual operation
- Trip Counter Display (Counts number of activations) with Counter Erase facility
- Simple Manual Override or Bypass Facility (you will never be without water)
- Selectable 'Pump' mode for pumped water supplies (Rainwater Tanks E.T.C.)
- Easy to use One Button programming and operation
- Two digit LED Status display for all settings and messages
- Battery Power Level Indicator, with Low Battery warning alert
- Replaceable Mesh Filter protects unit from debris in water supply
- Emergency Service Plug provided.

### Extra Features - Model AT201EP

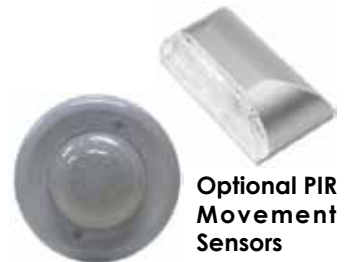
- Real Time Clock, with Sleep Mode / Exclusion Period (Same period each day)

### Specifications

Flow Range	0 → 100 L/min (0 → 22.2 Gal/min)
Operating Pressure Range	70 → 1000 kPa (10 → 145 psi)
Maximum operating Temperature	50° C
Pressure Loss across Valve	@60 L/min = 8 kPa (@13.2 Gal/min = 1.16 psi)
External Reset Input Port	Two Wire Reset Signal - Max Distance of 300m
Reset Trigger Method	Normally Open Circuit, Momentary close resets
Control Valve - Power Source	1 x 9V Alkaline or Lithium Battery
Flow Sensing Capacity	30 ml/min → 100 L/min
Valve Thread	DN25 / 1" BSPT (25mm)
Control Valve Construction Material	UV Stable High Strength PVC



Control Valve & Reset Wire



Optional PIR Movement Sensors



Optional Reset Button Box or Door Trigger Switch

Certification and Testing Approvals  
Watermark Certification 23037



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