

LEAK DEFENSE SYSTEM

Product Description

The Leak Defense System (LDS) is an electronic water flow monitor and alarm system designed to detect leaking water pipes and fixtures. It provides peace of mind whether you are at home or away from home. If water flows continuously exceeding a preset time limit without stopping, it triggers an alarm and will actually shut-off the water supply to the building and potentially preventing major water damage.



The system includes a motorized ball valve connected to a computer housed in a 5" x 3-1/4" x 3 3/4" black plastic water resistant case, extremely low flow sensors, and a control panel with a touch screen display. There is a manual

override at the valve and the motorized ball valve can fit within a standard stud wall for pipe sizes of 1.25" and smaller.

The LDS offers several advantages versus installation of a standard shut-off valve. First, accessibility to the valve for the owner is not an issue because the control panel can be mounted anywhere in the building thus allowing the motorized ball valve to be easily installed anywhere on the incoming water line. Second, the LDS allows the owner to close the valve and shut-off the water with the simple push of a button while also providing constant protection against water damage when the building is unoccupied.

Product Features

- ❖ Currently available for 3/4" to 2" pipe sizes.
- ❖ Compatible with copper, stainless steel, ductile iron, Monel, PVC, CPVC, PE, PVDF and other domestic cold water pipe systems.
- ❖ The system will sound an audible alarm if a leak is detected.
- ❖ Control panel allows the user to close the water valve to halt water flow.
- ❖ Complete system includes control panels, power supply, flow sensors, and motorized ball valves with housing.
- ❖ System features a manual override at the valve.
- ❖ System provides for connection to an alarm or building management system with the ability to signal a small or a large leak on separate alarm channels.
- ❖ System includes two different settings; an "Occupied" mode and a separate "Away" mode. Each mode will contain different adjustable settings.
- ❖ Sensor and valve control can be installed in both indoor and outdoor environments.