

Engineering Specification

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

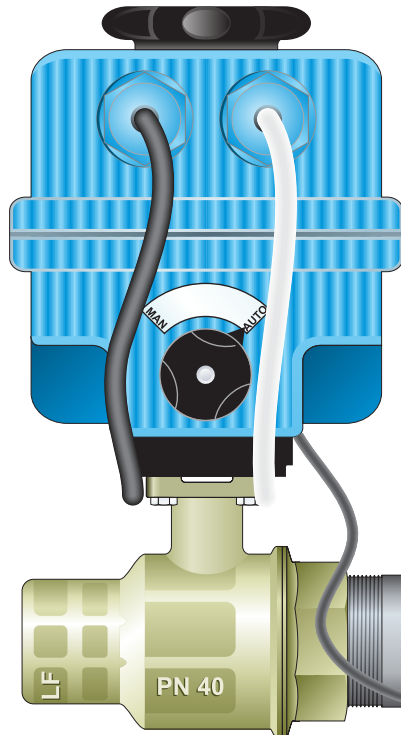
Contractor's P.O. No. _____

Approval _____

Representative _____

Leak Defense System (LDS-3)

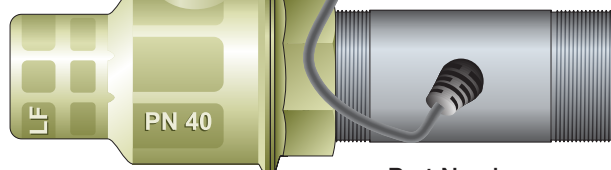
Electronic Water Flow Monitor and Alarm System



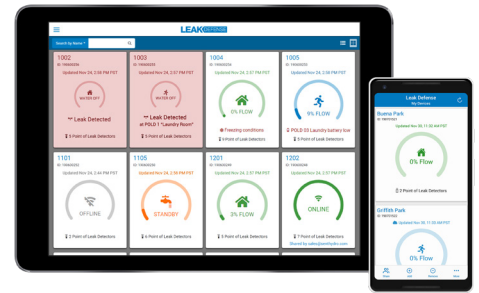
Part Number:
LDS-3-WCP Package



Part Number:
SCV-(Size)-NPT



Part Number:
LDS-3-(size)



**Mobile devices not included*

Overview

The LDS-3 is an electronic water flow monitor and alarm system designed to detect leaks in water pipes, plumbing fixtures and water-using appliances. Monitor water flow 24/7 and set your time/flow parameters from the required wireless control panel or your mobile device with our free app.

How it Works

If continuous water flow exceeds your pre-set limits, an alarm is triggered. If this occurs, you will receive a notification on your mobile device, an audible alarm will sound on the control panel, and the water supply will be shut off, potentially preventing major water damage.

Available Sizes	3/4"	1"	1.25"	1.5"	2"	2.5"	3.0"	4.0"
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Sentinel Hydrosolutions™ product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Sentinel Technical Service. Sentinel reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Sentinel products previously or subsequently sold.

Model Number	Pipe Size	Dimensions (H x W x L)	Weight
LDS-3-075	3/4"	10" x 9" x 8"	6 lbs
LDS-3-100	1.0"	10" x 9" x 8"	7 lbs
LDS-3-125	1.25"	10" x 9" x 8"	8 lbs
LDS-3-150	1.5"	10" x 10" x 8"	9 lbs
LDS-3-200	2.0"	13" x 11" x 9"	12 lbs
LDS-3-250	2.5"	15" x 12" x 10"	18 lbs
LDS-3-300	3.0"	16" x 13" x 10"	24 lbs
LDS-3-400	4.0"	17" x 13" x 12"	41 lbs

Features

- FREE smart phone app allows you to remotely see the system status and to open or close the valve from anywhere in the world
- Water movement/leak sensitivity down to .005 GPM on ¾" systems 24hrs/day, 365 days/year without ever needing to shut off water
- Control Panel allows the user to easily open or close the water valve to stop water flow at any time
- Includes three different adjustable settings for protection while home, away, or on standby
- Valve Open/Close Cycle Time – 8 seconds to 30 seconds (size dependent)
- Manual Over-ride Valve Open/Close Handle; no special tools required
- Valve to Control-Panel Interface – wireless 433MHz, or Wired RS-485
- Actuator Torque Values 133 in-lbs. to 1960 in-lbs. (size dependent)
- Compatible with all domestic cold and hot water pipe systems
- Installation Orientation – No restrictions; vertical/horizontal 360°
- Transformer Power Supplies included for all devices
- Overload Torque Protection Electronics
- Max Water Pressure 175 PSI at 176F
- Actuator Anti-Condensation Heater
- Wireless touch screen Control Panel (6.125" wide x 3.66" tall x 1.02" deep)
- A standard 120V outlet is required to provide power to the wireless control panel and the valve/actuator assembly
- UL 1951, CSA C22.2 No. 14, 18, NSF 61 & 372



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