

Quick Start Guide - Dual LDS

Fully Automated Leak Detection & Shutoff Valve (Dual)



Your system was set at the factory for the most common settings and should have been further calibrated by the installer. If you want remote notifications, you can refer to the WiFi and Mobile Access setup pages.

Feel free to give our tech support line a quick call to double-check that your installer optimized your system for your unique living style.

Need help?

Feel free to call us from 8am - 5pm Monday - Friday,

Pacific Time: 1-866-410-1134, ext. 2

support@sentryhydro.com

We are happy to work with you and your plumber or one of our 5000+ network of installers to ensure complete satisfaction with your Leak Defense System.

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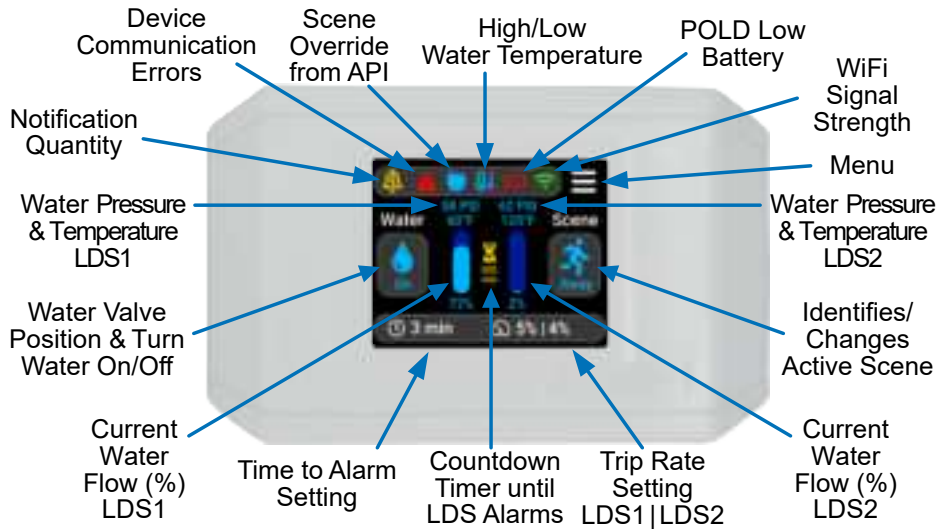
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Applicable product versions:

- Control Panel 7.11
- LDS-3 3.16
- API-2 2.02
- POLD 4.00

Your Leak Defense System Control Panel



Home 🏠 – (20-45 min recommended) The longest continuous flow in a home is typically a shower. Use this as a starting point for your Time to Alarm.

Away 🚶 – (2-5 min recommended) This is generally programmed to accommodate ice makers.

Standby 🚰 – Flow will be ignored while in Standby. Useful for when you know there will be water use for a long period of time.

MORE ABOUT SCENES



HOME, AWAY & STANDBY & when to use them!

The Scene button allows you to switch your Leak Defense System from **Home** 🏠 to **Away** 🚶 when you are leaving the house, or to **Standby** 🚰 when extra water will be needed for an extended time.*

Turn Water On & Off

The **Water** 💧 button will allow you to quickly shut the water off. Press this button and tap Yes when asked “Turn Water Off?”. The valve will close and the **Water** 💧 icon will turn **GREY**. When fully closed the **Water** 💧 icon will be **YELLOW** with a slash through it. To turn water back on, simply tap **Water** again and when asked “Turn Water On?” tap **Yes**.

Program the System

The **Time to Alarm** ⌚ and **Trip Rate** ⚙️ functions may need to be programmed (*if they are not suited for the household*) for both **Home** and **Away** when the Leak Defense System is first activated, but these settings may be changed or adjusted at any time.

While the Scene button shows **Home** 🏠, you can adjust the Home Scene’s **Time to Alarm** and **Trip Rate**. These will affect the overall sensitivity and time water can continuously flow when you are home.

While the Scene button shows **Away** 🚶, you can adjust the associated **Time to Alarm** and **Trip Rate**. These will affect the overall sensitivity and time water can continuously flow when the property is unoccupied.

While the Scene button shows **Standby** 🚰, flow will be ignored by the Leak Defense System for the time you specify. This will allow you to use water for an extended period of time without causing the system to alarm. Perfect for running a hose to fill up a pool!

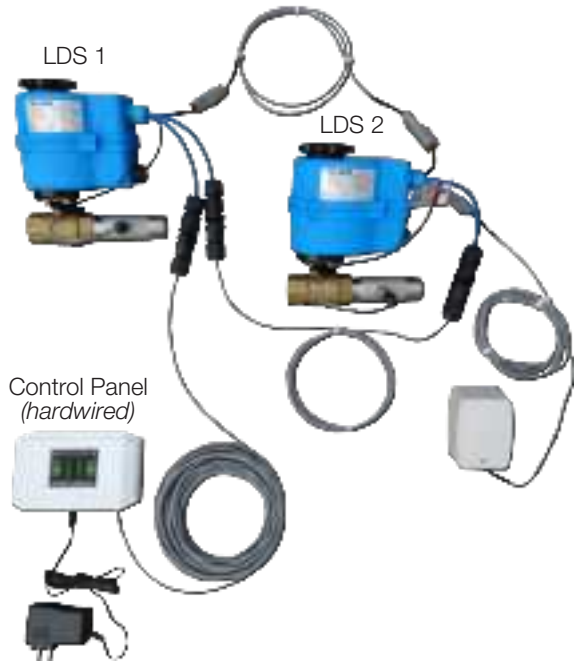
**Can be triggered automatically with optional API (contact sales@senthhydro.com to purchase) or adjusted with the Leak Defense System mobile app.*

ANTI-SCALD OPERATIONAL FEATURES FOR DUAL LDS

*For Hardwired Control Panel:
Control Panel is hardwired to
LDS 1.*

*For Wireless Control Panel:
Control Panel communicates
wirelessly to LDS 1 & LDS 2.*

*For Both:
LDS 1 is hardwired to LDS 2.
LDS 1 controls both valves/
actuators, providing anti-scald.*



Unique Operational Explanation:

1. If “LDS 1” alarms it will automatically shut both valves. The Control Panel will read back the alarm and go into an alarm state, putting “LDS 2” into alarm (valves already closed).
2. If “LDS 2” alarms, the panel will read back the alarm and go into an alarm state, putting “LDS 1” into alarm. This will trigger both valves to close.

Note 1:

If Control Panel is not powered or connected to the Cat6 cable (or properly wirelessly paired & communicating), alarms sourced from “LDS 2” will not have a valve closure (until the panel is back online and/or connected to Cat6).

Note 2:

Power is passed through “LDS 2” to “LDS 1”. Because “LDS 1” controls the actuators, it ensures that no valve can close unless both close (anti-scald).

CLEARING THE ALARM

The alarm started sounding and I am home. What should I do?

- If you are unaware of any normal appliance or fixture water flow...



And you don't believe your water settings are set too conservatively, you will want to check for leaks. These can often be small leaks such as old toilet flappers, outdoor garden hose spigots, or small drips from tub or sink faucets.

- If the water flow is due to a routine activity that normally occurs within your household...

You may want to adjust the Leak Defense System settings. If so, you will first select **Clear Alarm** and then select **Turn Water On**. You can then:

1. Increase the **Time to Alarm** setting or
2. For humidifiers and under-sink reverse osmosis (RO) systems increase the Trip Rate  setting.

**Increasing the Trip Rate will make your system less sensitive to smaller leaks.*

- If you are filling your swimming **pool**, using a hose bib for an extended time, or running water for some other reason...

Do the following after selecting **Clear Alarm** and then selecting **Turn Water On**:

1. Tap the **Scene** button and select **Standby**.
2. Tap the **Time**  icon and enter the amount of time in minutes desired for the system to remain in **Standby** (Max is 48 hours or 2,880 minutes).
3. Tap the checkmark  to confirm the time.



Let us help!

Call 1-866-410-1134 ext. 2

Email support@sentyhydro.com

SET UP WIFI



To connect to your 2.4 GHz WiFi access point:

- Tap the **Menu** ≡ icon on the Leak Defense Panel
- Tap **WiFi** 📶
- Tap **View Networks** and highlight your access point
- Tap Select and enter your password
- Tap ✓ twice and your panel will ask you to Save Changes
- Tap Ok
- The **WiFi** 📶 icon on the main screen will be **GREY** while it attempts to connect. If successful the icon will turn **GREEN**. If unsuccessful it will turn **RED**.
 - If the incorrect password or access point is entered into the control panel you should go through the steps again and select the correct router and password.
 - Router security/settings may restrict WiFi connection to the LDS. A separate access point may need to be purchased.



Let us help!

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SET UP MOBILE ACCESS



On your phone or laptop go to CatchALeak.com or download the Leak Defense App from the [IOS](#) or [Android Store](#)

- Click on **REGISTER AS A NEW USER**
- Fill out the form including the **DEVICE ID** that was supplied with your system. Click on **REGISTER**.
- You should get a notice thanking you for registering.
- You will immediately receive an email with a link and/or a text to which you will have to reply with a confirmation number. (Check your junk email)
- If on CatchALeak.com, close the page and reopen.
- Log in with your email address and password you created. You should see a screen showing a flow percentage arc with settings & controls next to it. Tap on the system tile if the settings aren't shown.
- On this screen you can switch from **Home** to **Away** or **Standby**. You can also adjust the **Trip Rate** and the **Time to Alarm**.

SETTINGS:

1. Manage alerts/notifications including selective disabling
2. Optionally add names for Point of Leak Detectors (POLDs)
3. Optionally schedule times for your system to automatically change scenes between Home and Away
4. Adjust your settings & more!

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