



QUICK START Guide



For in-depth programming options, please see your Installation/Owners manual included with your system or download it at www.leakdefensesystem.com

Protect your investment and get the latest product and software updates by mailing your warranty card today or register online at www.leakdefensesystem.com/product-registration/.

Need help? Feel free to call us from 9am - 5pm PST at (866) 410-1134, ext. 1

We are happy to work with you and your plumber to ensure your complete satisfaction with your system.

YOUR LEAK DEFENSE CONTROL PANEL



HOME BUTTON	Places the Leak Defense System in HOME mode.
AWAY BUTTON	Places the Leak Defense System in AWAY mode.
STANDBY BUTTON	Allows the user to put the system into STANDBY for up to 24 hours. WARNING, putting the Leak Defense System into STANDBY may allow a leak to go undetected as it is ignoring all water flowing.
WATER BUTTON	Tapping the WATER button allows you to turn the water off.
STATUS BUTTON	Tapping the STATUS button allows you to see system information.
ADJUST BUTTON	Tapping the ADJUST button takes you to the ADJUSTMENT and SETTINGS Screen.
NUMBER	Tapping the NUMBER button next to HOME or AWAY allows you to set the amount of time water can flow before the Leak Defense alarms. Tapping the number button next to STANDBY allows you to set the amount of time you want the system in STANDBY.
BAR GRAPH	While either HOME or AWAY is selected, tapping the bargraph allows you to set the TRIP RATE for each mode.
WHEN LDS ALARMS	When the LDS alarms you will see a red screen indicating the reason why the water has been shut off.

The control panel screen will normally be dim. Touch the screen anywhere to make it light up. After a period of inactivity the panel will return to dim state. At the main screen you will see a bar graph that will indicate how much water is flowing.

HOME and AWAY

These buttons allow you to switch your Leak Defense System from **HOME** mode to **AWAY** mode when you are leaving the house. The highlighted box indicates what mode you are currently in.

When you are leaving the house, touch the screen and the Main Screen should be displayed. If the **HOME** button is highlighted, press the **AWAY** button.

Turn Off Water

The **WATER** button will allow you to shut the water off to your home. Press this button and tap **TURN WATER OFF**. Tap **MAIN** and you should see the green dot next to the **WATER** button turn red. To turn water back on, simply tap **WATER** again, to turn water on.

Program the System

Allows the user to customize the system settings. The TIME TO ALARM and TRIP RATE functions will need to be programmed in both the HOME and AWAY mode when the Leak Defense System is first activated but these settings may be changed or adjusted at any time.

With the **HOME** button highlighted you can program the TIME TO ALARM and TRIP RATE functions. These will allow you to program the time water can continuously flow when you are home and the TRIP RATE allows you to set the sensitivity you desire.

With the **AWAY** button highlighted you will be able to set the TIME TO ALARM and TRIP RATE. This will allow you to program the time water can continuously flow while you are away. You can also program the TRIP RATE.

Partial Flow Feature

In the Home Mode all Leak Defense Systems have a built in warning mechanism that will let you know that you have exceeded the Time to Alarm Setting and water is about to be turned off.

When you reach the Home Time to Alarm the control panel sounds a warning alarm that you have had water running for that duration. Simultaneously, the system turns the water off for 30 seconds and then re-opens the valve to check to see if water is still flowing. If the water has stopped flowing it resets the alarm clock. If water is still flowing it alarms and shuts off the water.

So, if you are running water and notice that the water stops flowing (and you may also hear the panel alarm) you will need to turn off the running water for about 60 sec. This will give the system time to turn the water back on and to confirm there is no water flow, and that there is not a leak and will return to normal, resetting the time to alarm clock. If the system stills sees flow it will assume it is a leak and will turn off water completely. At any time you can go to the control panel and push the button indicating that the flow is normal and reset the system.

This warning mechanism is not available in the AWAY Mode as the system assumes no one is home and shuts the water off immediately once the time to alarm is reached. This feature is only available in the Leak Defense Systems.

The Alarm Started Sounding and I Am Home. What Should I Do?

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 "RESET" and then either:

- 1) Increase the TIME TO ALARM setting or,
- 2) Increase the TRIP RATE setting.

If you are filling your swimming pool, watering your lawn for an extended time, or running water for some other reason, do the following after selecting "RESET":

Tap the **NUMBER** box next to STANDBY and select the amount of time desired for the system to remain in STANDBY, then tap the **YELLOW** box, press **STANDBY**.

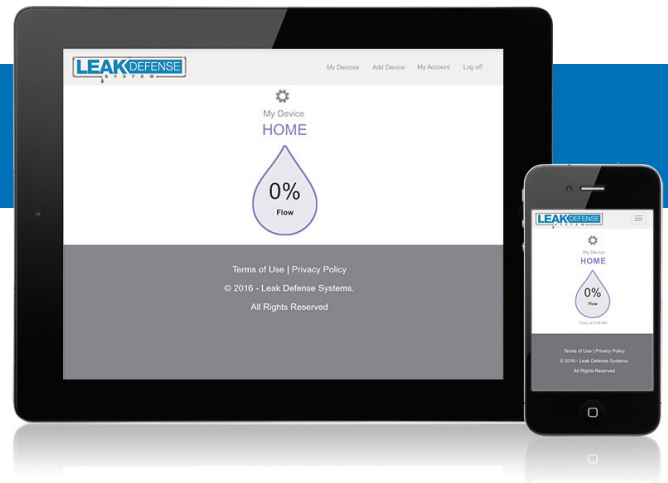
If there is nothing unexpected happening:

If you don't believe your water settings are set too conservatively, you will want to check for a leak.

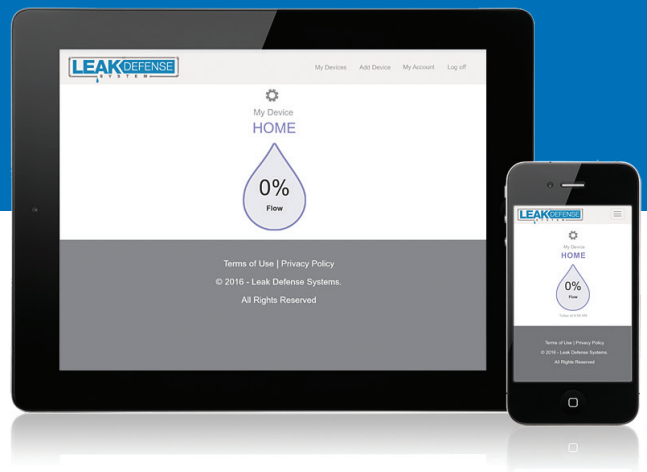
SET UP WIFI

- First connect to your WIFI access point
- Tap ADJUST on Leak Defense Control Panel
- Tap SET WIFI
- Tap STANDARD SETUP and select your access point
- Tap NEXT and enter your password
- Tap NEXT and your panel should restart
- When the panel restarts you will see some yellow text as you are connecting to your network.
- You should see it connect to your home WiFi and get an IP address other than 0.0.0.0.
- You should then see it attempting to find the Sentinel website and then it should indicate that it found it.

If the incorrect password or access point is entered into the control panel, the control panel will continue rebooting until you touch the control panel's splash screen which comes up right after the yellow text. (Splash screen is at system restart that displays the Droplet with green, white and blue gradient bars.) At this point, you should go through the steps again and select the correct router and password.



SET UP WEB-BASED ACCESS



On your phone or laptop go to <http://catchaleak.com>

- 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)
- Close www.catchaleak.com and reopen.
- Log in with your email address and password you selected.
- You should see a screen with a water drop.
- Touch the SETTING button above the water drop.
- Here you can enter a name for your device.
- You can also switch from HOME to AWAY or STANDBY
- You can also adjust the TRIP RATE and the TIME water can continuously run without the system alarming.

Fine-tuning to Your Lifestyle

There are two basic modes, the HOME and the AWAY mode. Each of these modes has two variable settings, the TRIP RATE and the TIME TO ALARM. Understanding these settings will enable you to make the correct decisions to maximize the protection of your home against water damage.

HOME mode

In the HOME mode the default setting for the Time to Alarm is set to 5 minutes and the Flow to Alarm (Trip Rate) is set to 10%. This means that water must flow continuously for 5 minutes above a trip rate of 10% for the system to alert. At any point when the TRIP RATE drops below 10% the clock resets.

These settings can and should be adjusted to conform to your daily water use and level of protection you desire. For instance, if you normally take a 15 minute shower you should set the time to alarm to 20 minutes or more. If you have an active home you may need to set your time to alarm to 45 minutes or longer. A key point to remember is that dishwashers and washing machines may run for an hour or more, but they only pull water for a few minutes.

One way to determine exactly where to set the flow is to partially open a faucet and then look at the bar graph to see what percentage that flow is. Continue to close the faucet and compare the flow rate at the faucet with the flow rate displayed on the bar graph. This will help you to decide where you want to set the TRIP RATE. If you are concerned with very small leaks you should set the TRIP RATE as low as possible (2 or 3%) without the system alarming.

The first few weeks after installation the system may alarm. Be aware that these are not “false alarms.” If the system goes off water is/ was flowing somewhere in your home. For the first time you now have the ability to know when water is flowing in your home with this system. Adjusting your TIME TO ALARM and TRIP RATE will allow you to optimally protect your home and not have nuisance alarms, the combination most people are looking for.

AWAY mode

In the AWAY mode, the default setting is 5 minutes for the Time to Alarm and the TRIP RATE is 10%. Here again, if you are concerned with very small leaks you should adjust the TRIP RATE to as low as possible without the system alarming. Most people end up with a TRIP RATE of 7% or less and 3-5 minutes Time to Alarm in the AWAY mode.

If an accessory like a flow switch, relay or timer has been added to put the Leak Defense System into STANDBY mode for any reason, during that time the house is unprotected. When in the STANDBY mode, the Leak Defense System does not monitor water flowing and may allow a leak to go undetected. It is always preferred to separate pool and irrigation feeds from the house supply line.

Need Help?

Feel free to call us from 9am - 5pm Pacific Time at (866) 410-1134, ext. 1.

We are happy to work with you and your plumber to ensure your complete satisfaction with your system.