



# Pipe Guardian Manual for iOS Phones

Revision 1.0

[www.pipeguardian.com](http://www.pipeguardian.com)





# Begin



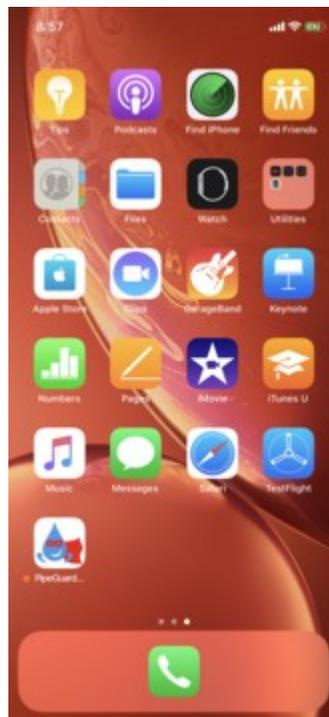
Browse to

<https://www.pipeguardian.com/post/pipe-guardian-android-app>

It will take you to the Google Play Store where the App is listed.  
Download and install the Pipe Guardian App.

Install the HydraGuard unit onto a cold water pipe in your home  
See Appendix B

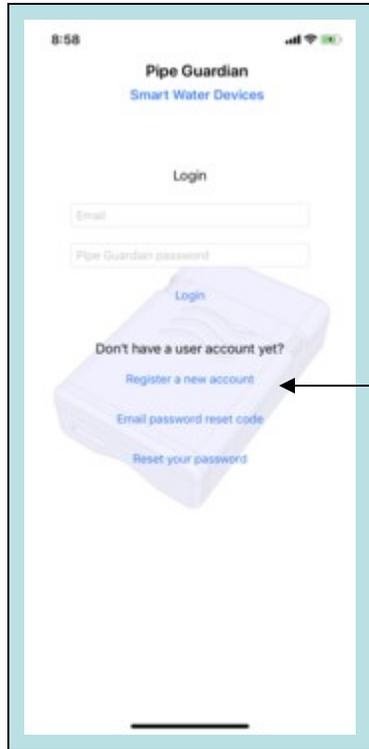
Pipe Guardian App →



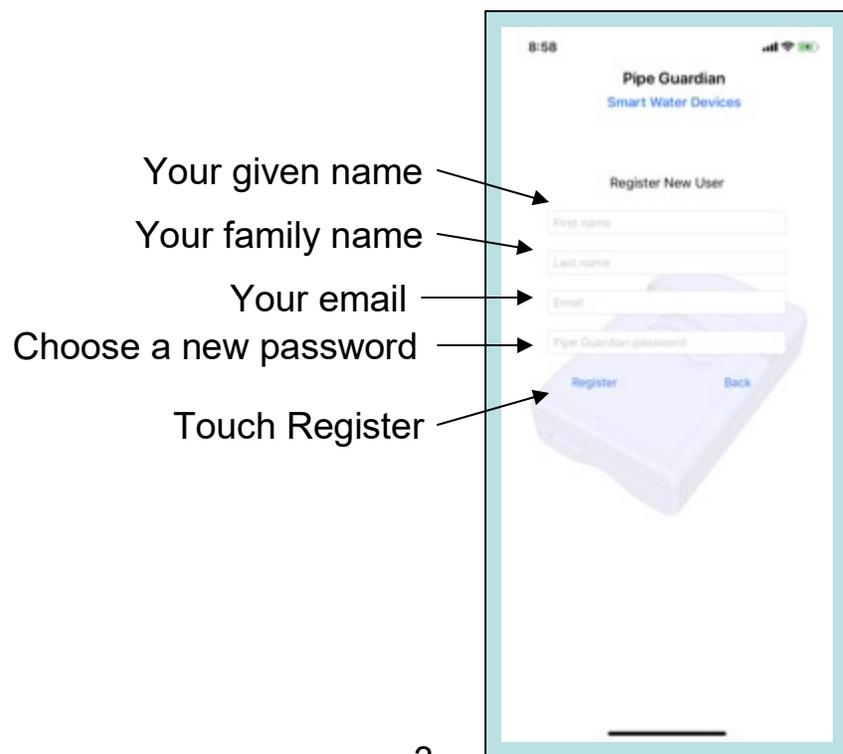
NOTE: Manual revision 1.0 operates HydraGuard Leak Detector and Trident Valve



# Register as a New User



Touch Register

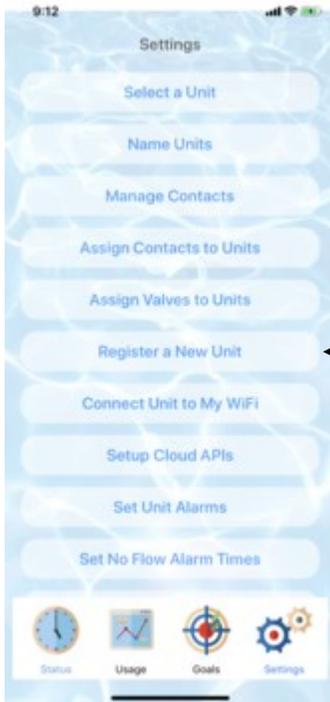




# Register Your Unit



Use the same procedure to register all Pipe Guardian devices



Touch

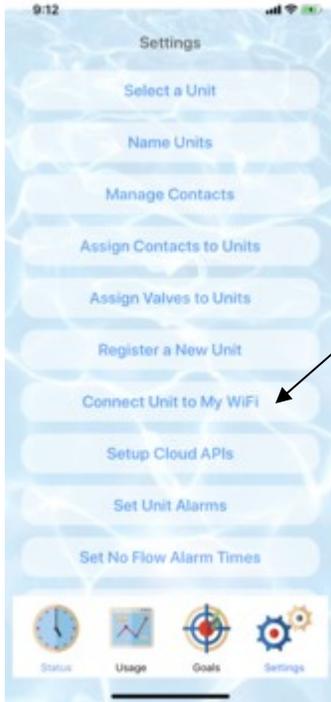
Enter the Serial Number and Access Code from the card that came with your Unit



Touch

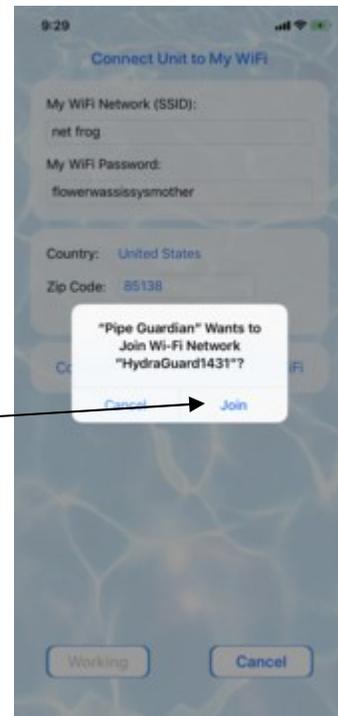


# Connect Unit to Your Home WiFi



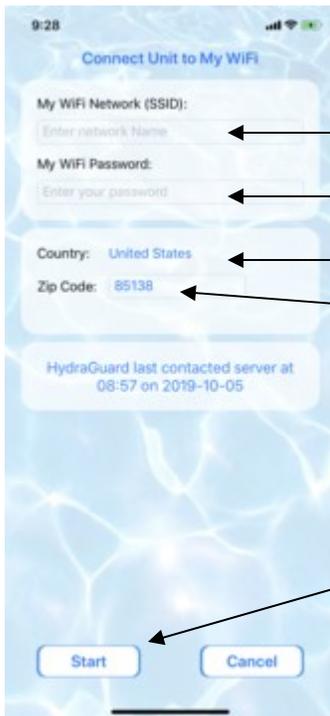
1

Touch



3

Touch Join



2

Your home network and password

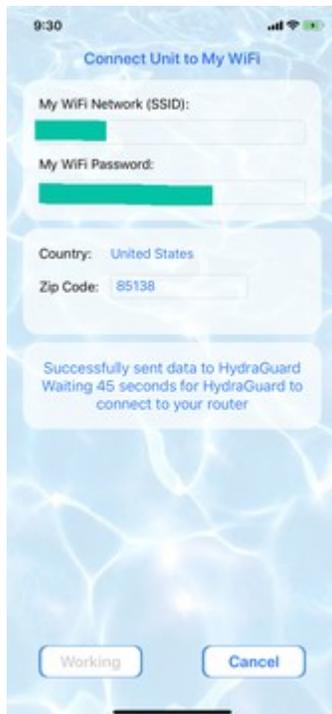
Your country

Your postal code

Touch Start



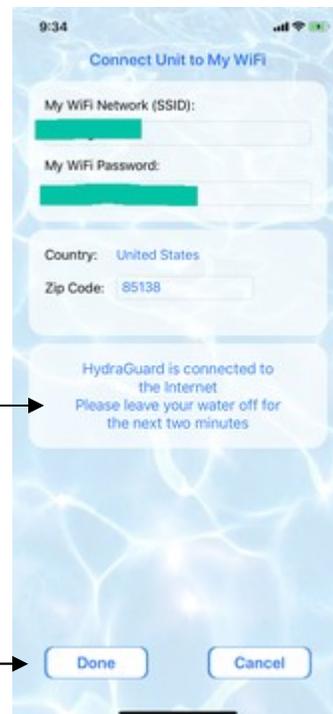
# Connect continued



4

← Instructions and status

5



Follow instructions in this display →

Touch and continue until finished. There are multiple steps →

6



# Finishing Setup

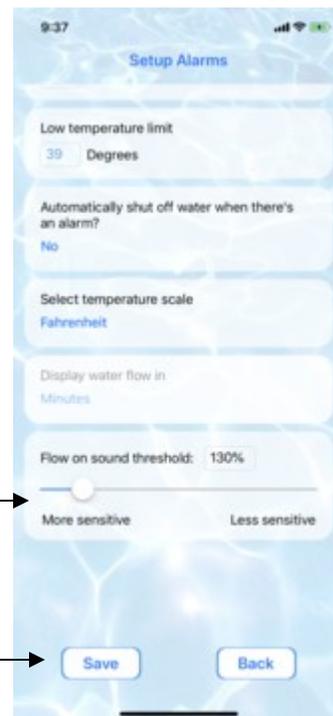


- Your HydraGuard will adjust itself to the environment in your home. It will begin reporting water flow data to the server in the next 30 -> 60 minutes.
- Watch the unit data over the next 1-2 days. You may need to adjust the flow threshold to increase accuracy

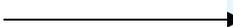


This step is only needed for HydraGuard devices

Touch



Adjustment tool



Touch

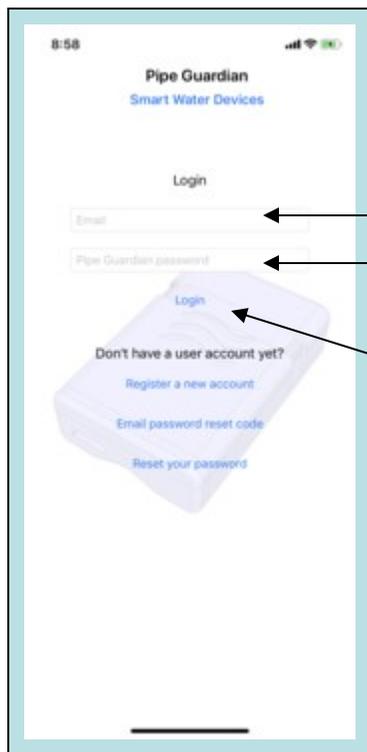




# Using Your App



Pipe Guardian  
App



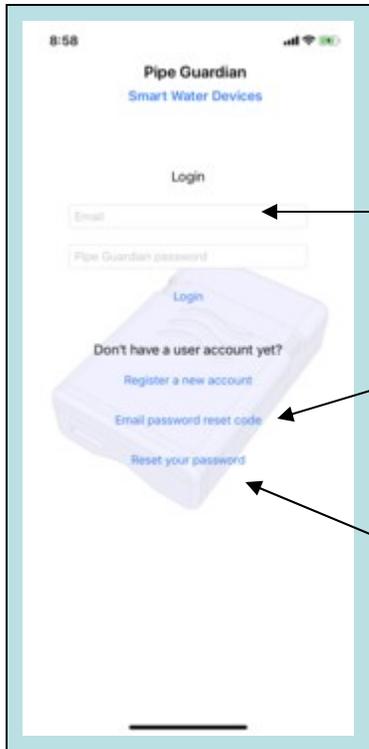
Your email

Your Pipe Guardian password

Touch



# Resetting Your password

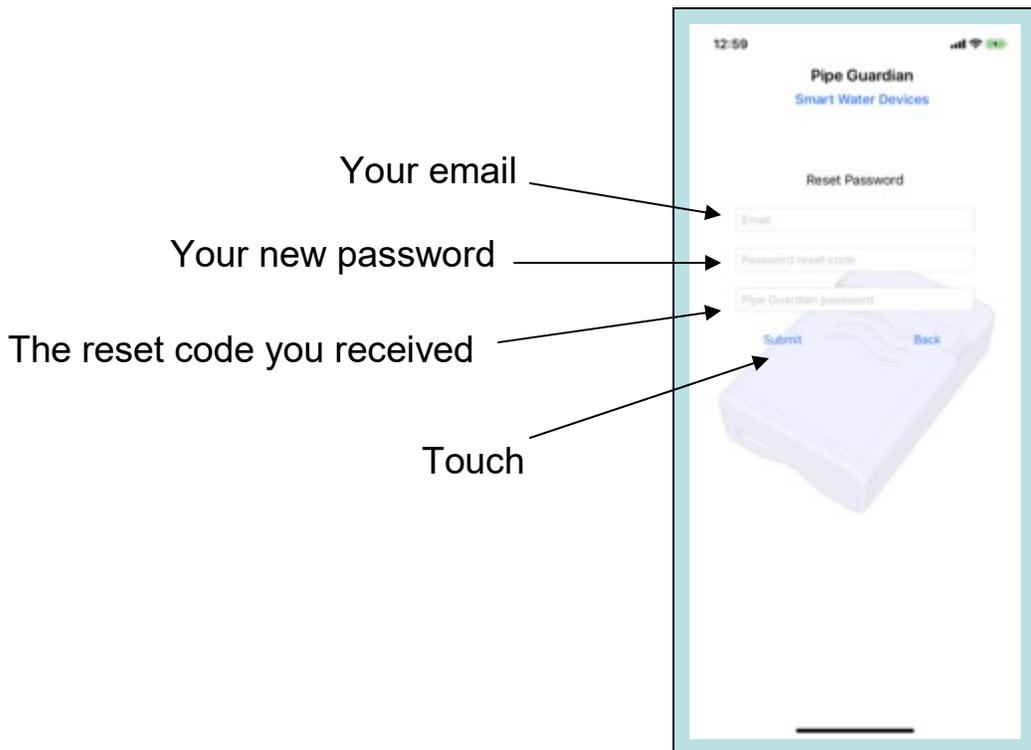


Your email

Touch

Pipe Guardian will then email you a reset code

Touch, to go to Reset Page



Your email

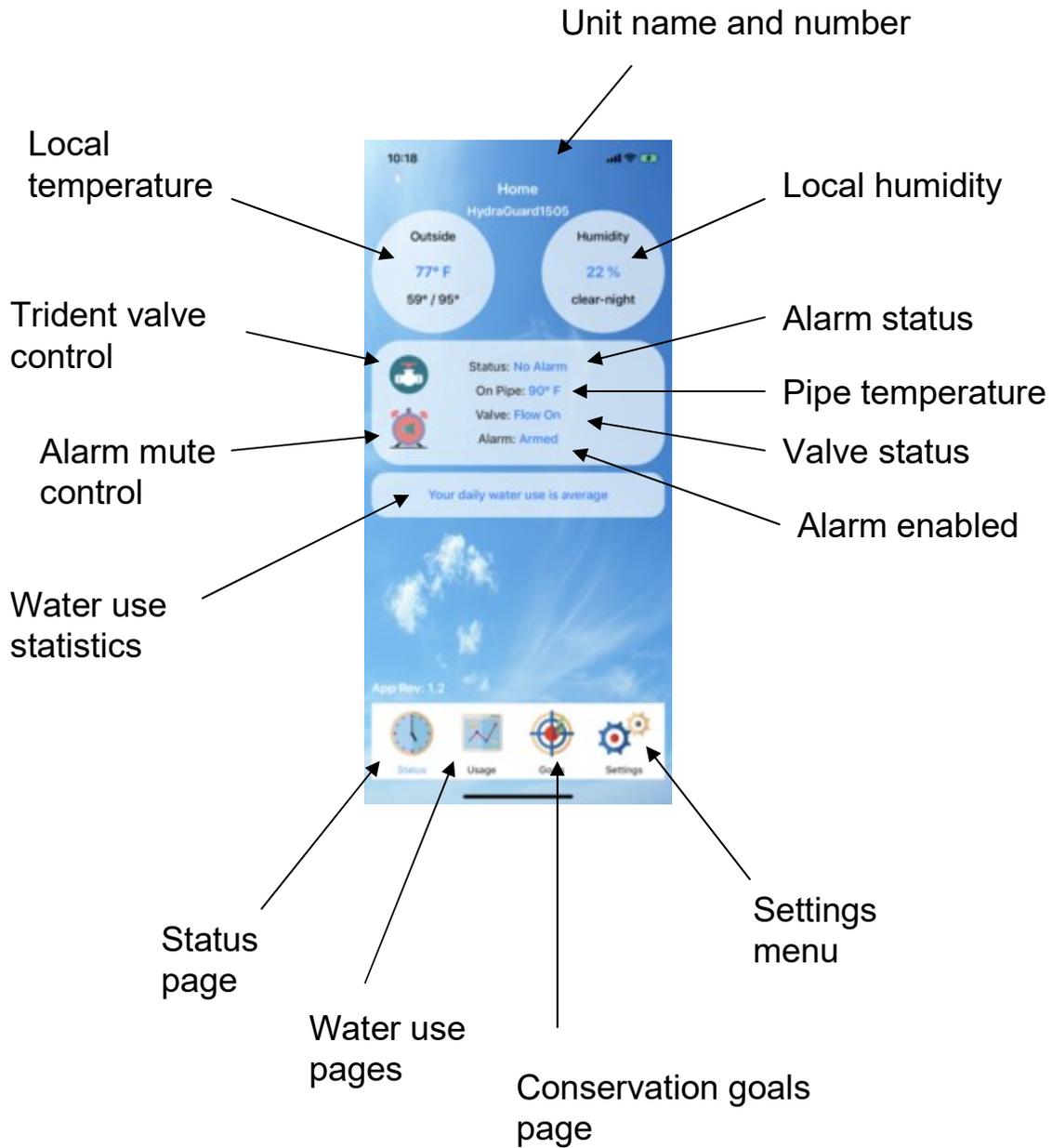
Your new password

The reset code you received

Touch



# Status Page





# Muting the Alarm



Used as a one-time exception for alarm. Can be used for filling a pool, etc.

1

Touch

2

Enter mute time

Touch

3

Alarm Muted

Muted alarm will count down to 0 minutes and re-arm.  
To manually cancel mute, program mute minutes to 0



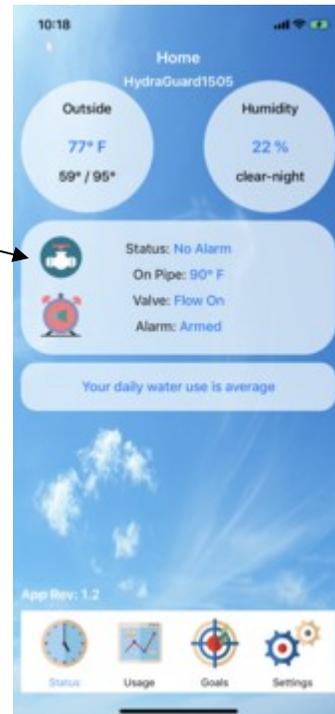
# Trident Valve Control



If you have the Trident Valve installed in your home

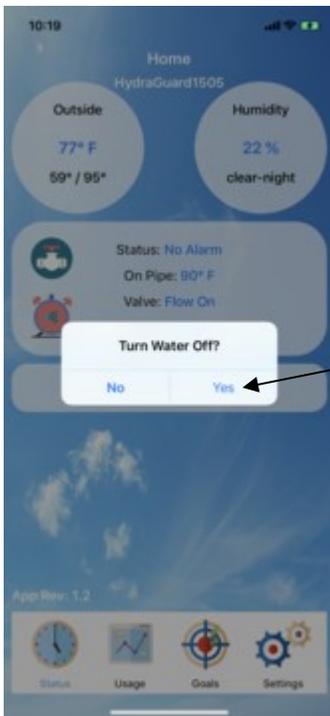
1

Touch



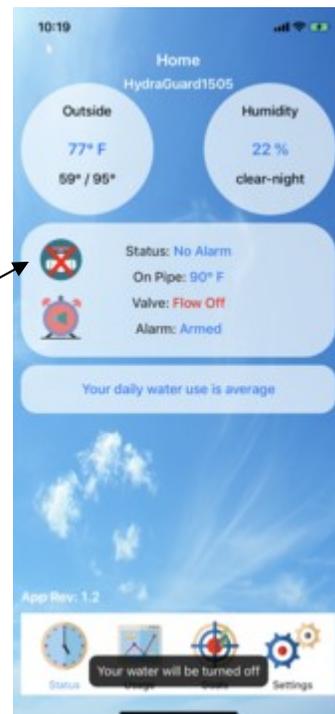
2

Touch



3

Valve is shut off



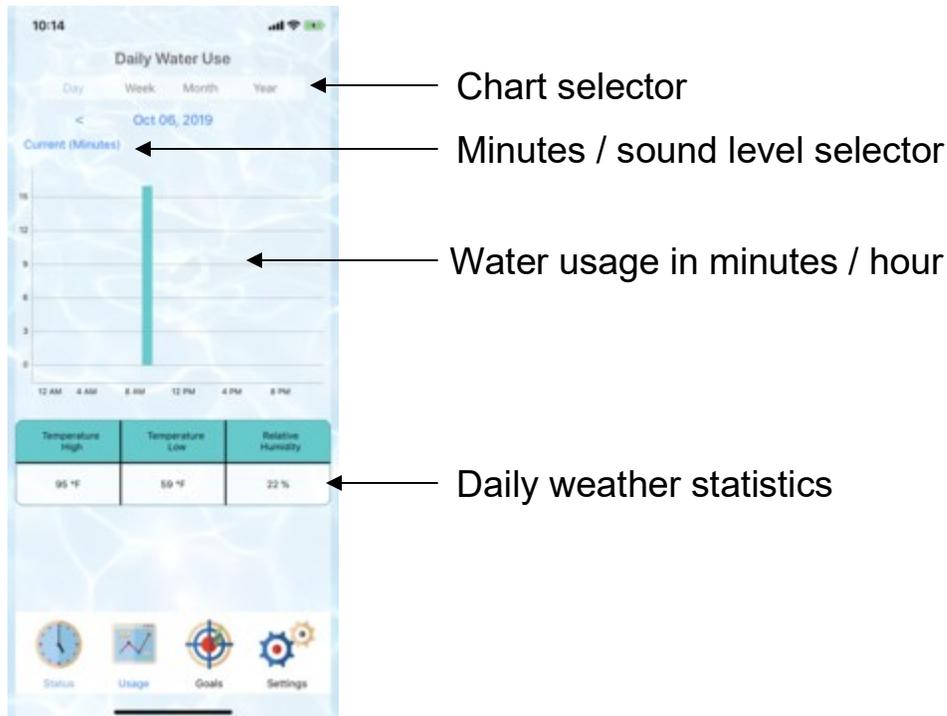
Use same procedure to turn water back on



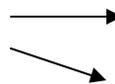
# Water Usage Charts



Present Day



Amplitude display / minute



This display is useful to evaluate the environment where HydraGuard is installed. Choose a water pipe in a quiet area of your house for best results. Also, this chart can be helpful in setting the sensitivity level





# Water Usage Charts



Past Days



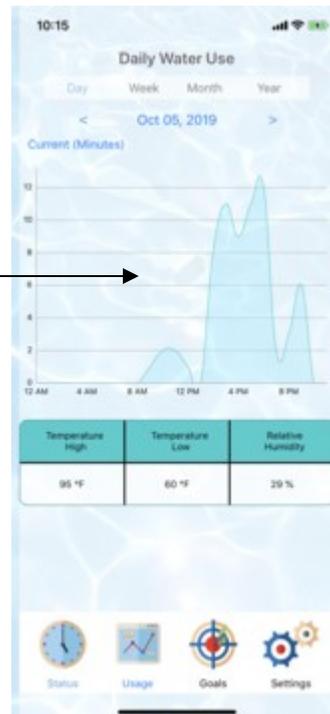
Chart selector

Bar graph / Line Chart selector

Water usage bar graph

Daily weather statistics

Water usage line chart

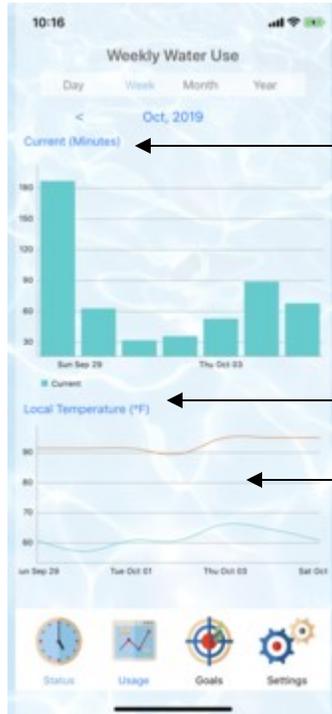




# Water Usage Charts



Weekly flow data



Current data / progress data selector

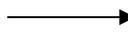
Selector

Temperature high/low selected

Monthly flow data

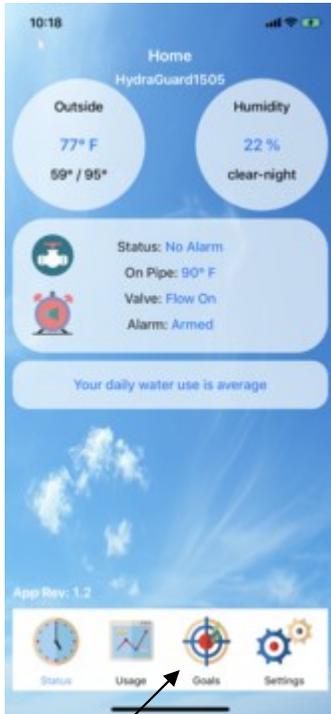


Relative humidity selected





# Conservation Goals



Touch



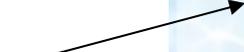
Goals history



Progress bar this month



Set goal slider tool



Touch



Goals history legend

- Goal this month
- Met goal
- Exceeded goal



Past month result with analytics





# Settings Menu



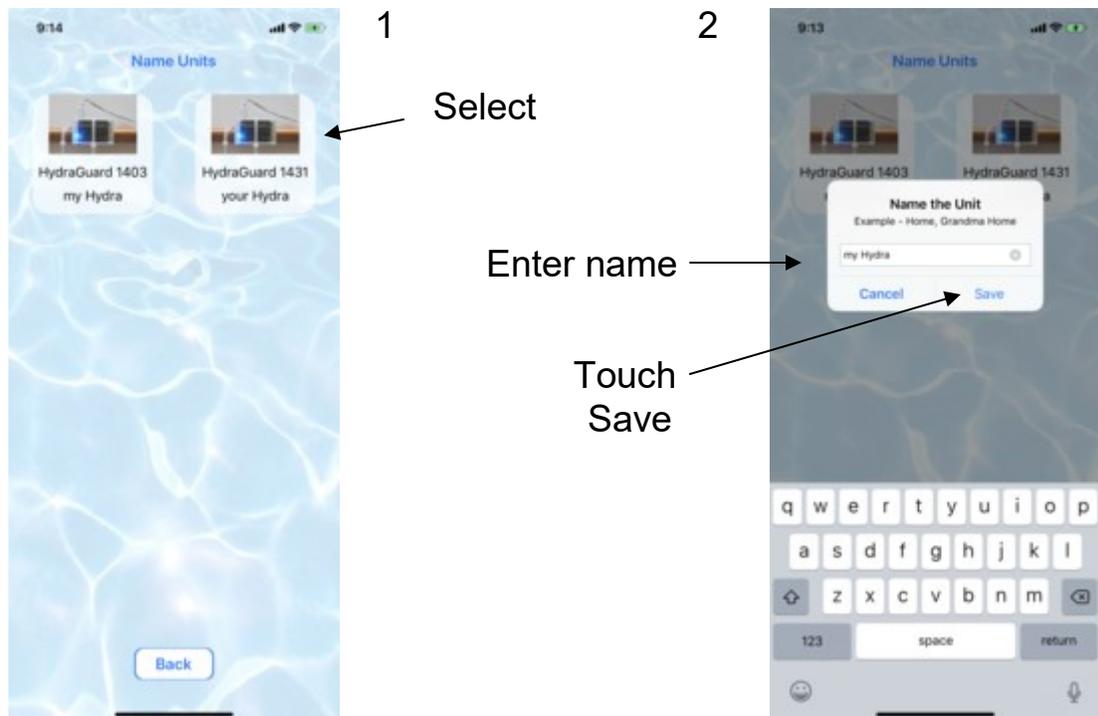
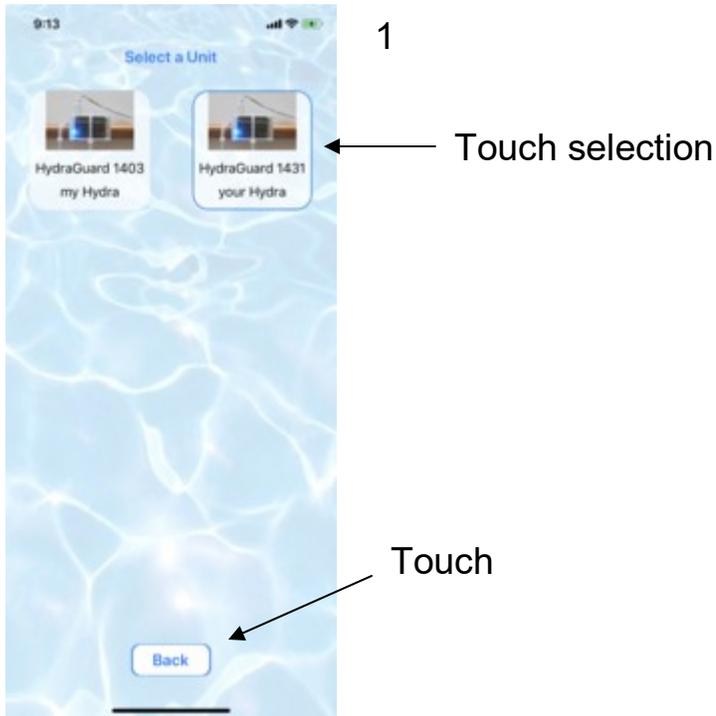
Alarm Pages 26,27 & 28

Select a Unit → Page 18  
 Name Units → Page 18  
 Manage Contacts → Page 19  
 Assign Contacts to Units → Page 20  
 Assign Valves to Units → Page 21  
 Register a New Unit → Page 4  
 Connect Unit to My WiFi → Page 5

Page 22 → Manage Contacts  
 Page 23 → Assign Contacts to Units  
 Page 24 → Assign Valves to Units  
 Page 25 → Register a New Unit  
 Logout of App → Logout



# Select or Name a Unit





# Manage Contacts



1

To create,  
touch

Enter name &  
email

Touch Save

Touch Save



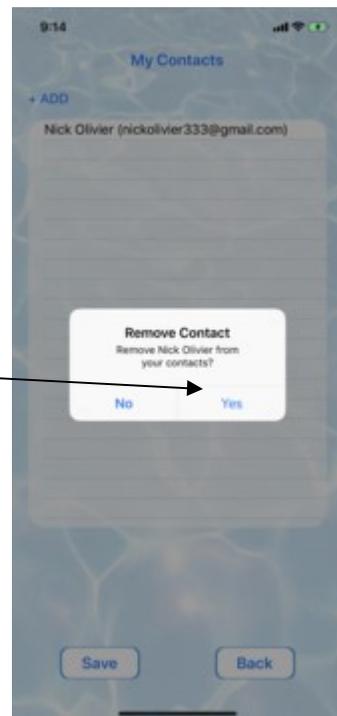
2



1

To remove,  
touch contact

Touch Save

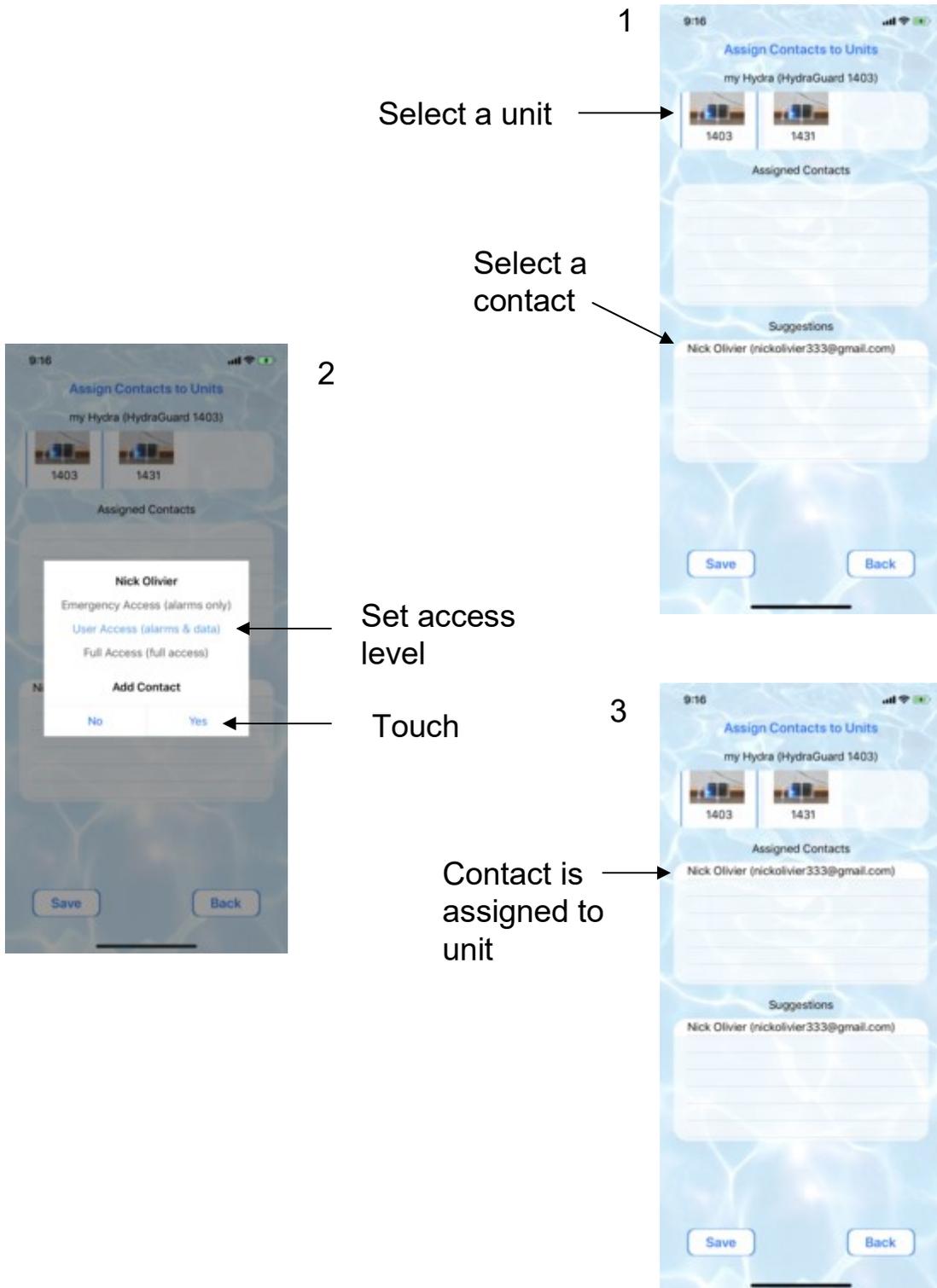


2

Touch  
Remove

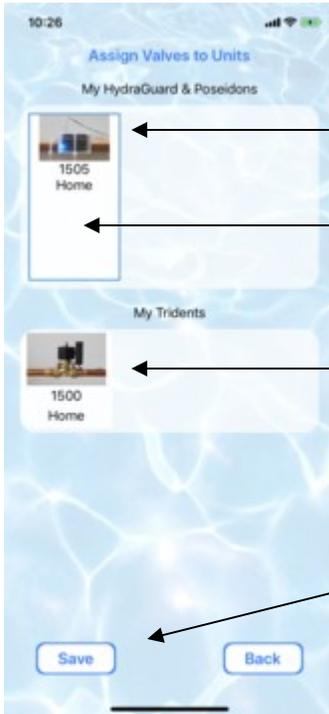


# Assign Contacts to Units





# Assign Valves to Units



To pair

Select Unit

(This unit has no valve)

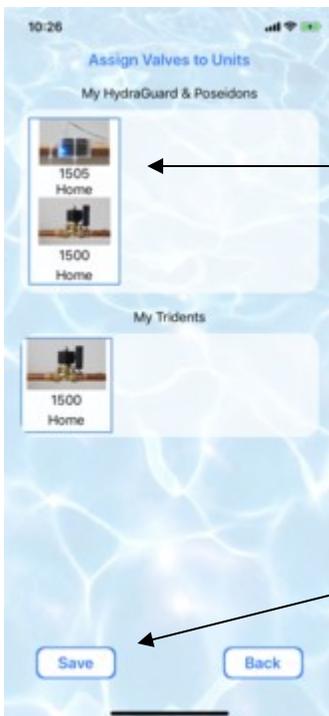
Select valve

Touch Save



Trident required

This function will tie the Trident valve to the HydraGuard unit

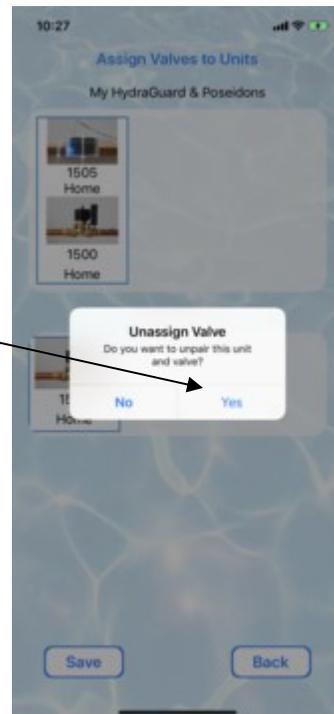


To separate

Select pair

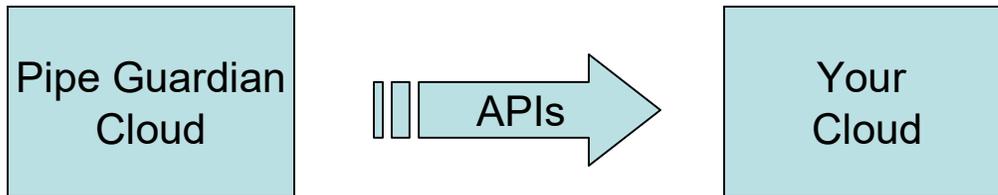
Touch Yes

Touch Save

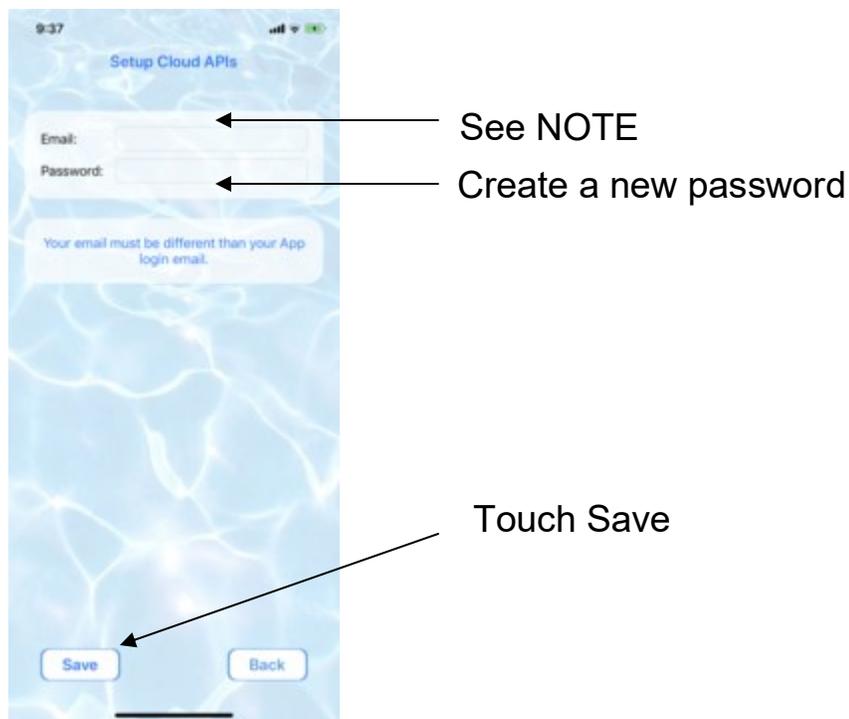




# Setup Cloud APIs



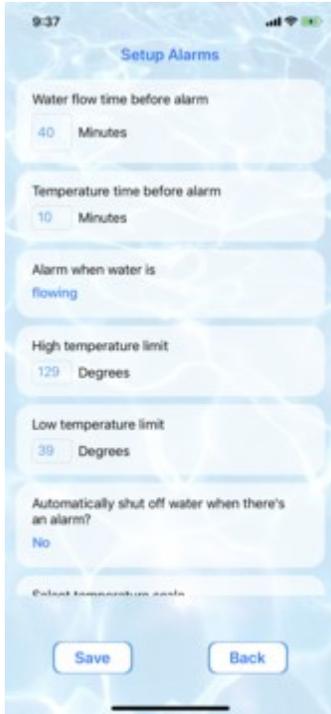
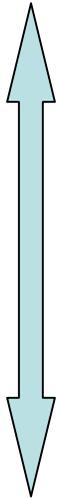
API's are available on the Pipe Guardian website



**NOTE:** Create a new email address. It must be different than the email address that you logged in with



# Set Unit Alarms



Continuous flow to trip flow alarm  
Default = 40 mins

Continuous exceeded temp  
to trip temperature alarm  
Default = 10 mins

Alarm when water is  
Flowing / not flowing  
(use not flowing for hydroponics, etc)

High temperature limit

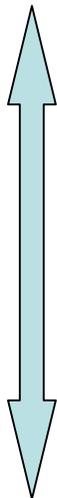
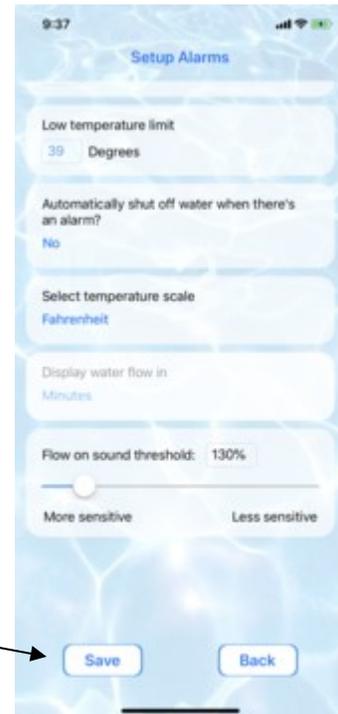
Low temperature limit

Automatically shut Trident  
valve off if flow alarms

Celsius / Fahrenheit

Sensitivity adjustment to suit  
your home environment

Touch Save





# Set No Flow Alarm Times



Useful for yard sprinklers or other irrigation when using set times.

There are four independent zones

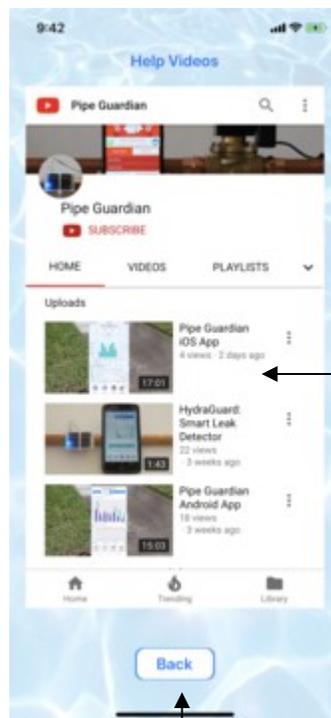
The screenshot shows the 'No Flow Alarm Times' app interface. At the top, it displays the time 9:40 and signal strength. Below the title, there is a 'Weekly Calendar' section with days of the week (Sun, Mon, Tue, Wed, Thu, Fri, Sat) and corresponding start times (7:00 AM, 12:00 AM, 12:00 AM, 12:00 AM) and 'On/Off' toggle switches. The first row is highlighted in blue, indicating the selected zone. The 'On' toggle is green, while the others are grey. At the bottom, there are 'Save' and 'Back' buttons.

Annotations:

- Select day(s) → points to the days of the week in the calendar.
- Set start time → points to the start time input field.
- Set stop time → points to the stop time input field.
- Touch → points to the Save and Back buttons.
- Selected zone in blue → points to the blue highlighted row.
- Enable / disable zone → points to the On/Off toggle switch.



# Watch Help Videos

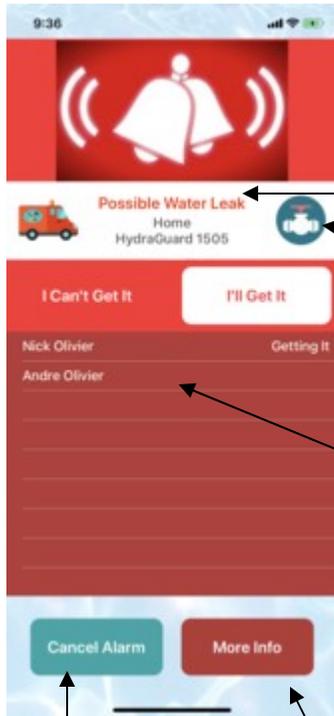


Touch to watch  
MP4 video

Exit



# Alarm



Alarm page

Leak alarm or pipe temp alarm

Valve control

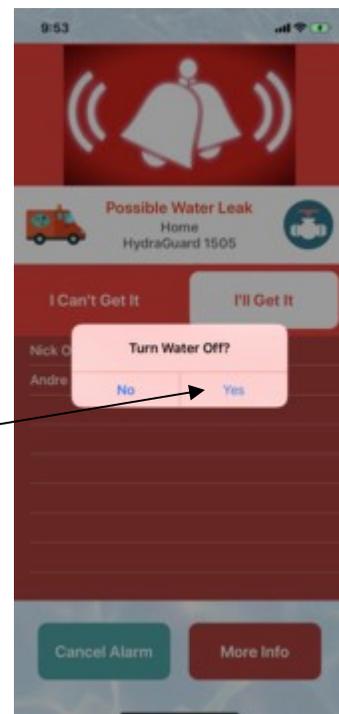
Tell other contacts if you will check on it or not

Other contacts are updated as to who can check on the alarm

Cancel the alarm. If leak persists, alarm will sound again at the end of the programmable alarm time

Go to more info

Shut the water off (If Trident valve is installed)



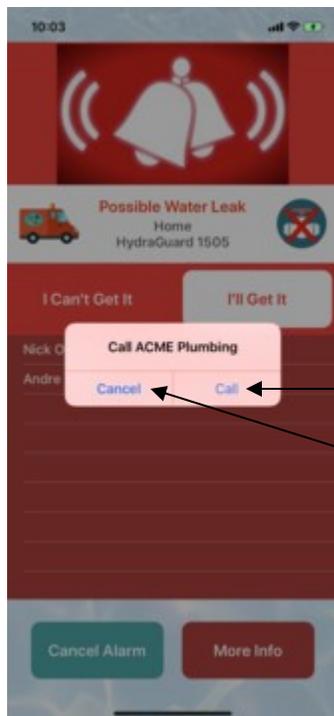
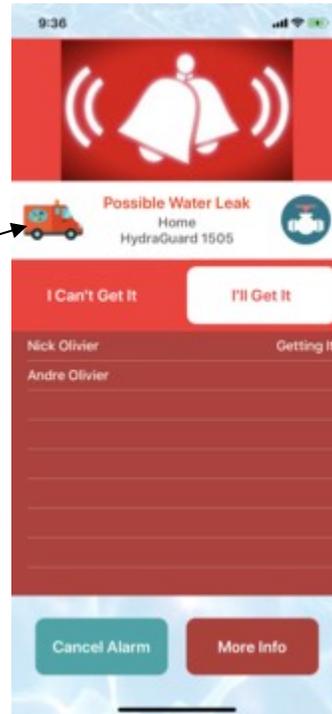


# Alarm



This function only works if you purchased your unit from a plumber or distributor

Call a plumber

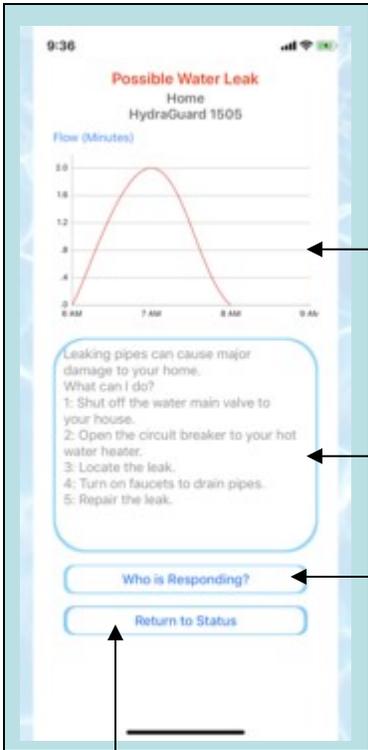


Call

Cancel



# Alarm



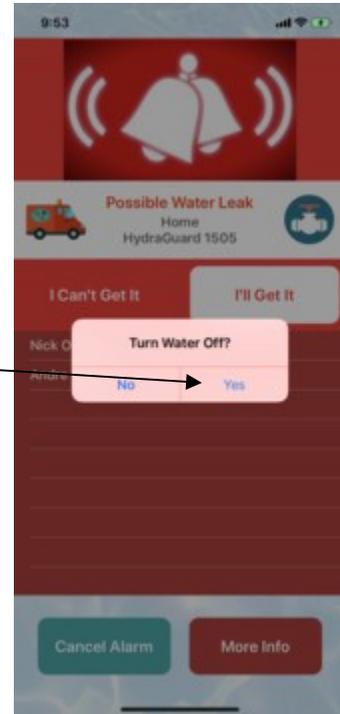
1

Flow data

Advice

Back to alarm page

Back to status page



2

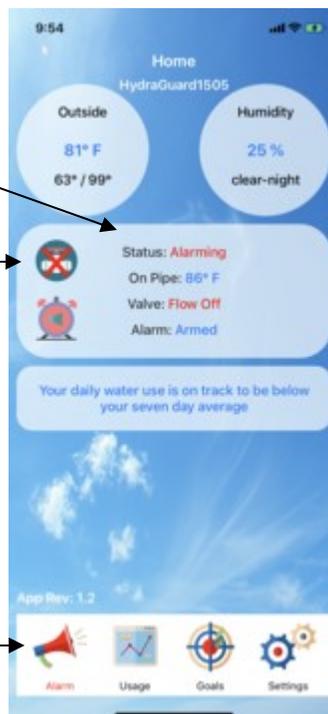
Shut off water

3

Alarm

Water is off

Back to alarm page





# Appendix A



Thank you for downloading the Pipe Guardian App.

HydraGuard is unique in the technology it utilizes to detect water leaks. It was designed to be very sensitive to the smallest leaks. Because of the technology we devised for HydraGuard, it can be mounted onto any cold water pipe in your house, where power is available. It installs in minutes and requires no tools.

The water use data charts are a rough Approximation of your water use in minutes per hour. HydraGuard was not designed to be a meter. The charts are there to help users understand when and how they use water. Awareness encourages conservation.

Trident is a Smart Valve that is designed to operate with HydraGuard, or alone. It can be programmed to automatically shut off water flow in the event of a leak alert from HydraGuard.

All Pipe Guardian products incorporate the latest technologies at a price that average consumers can afford. The WiFi device embedded in these products are certified to operate on all continents. They also draw very low power.

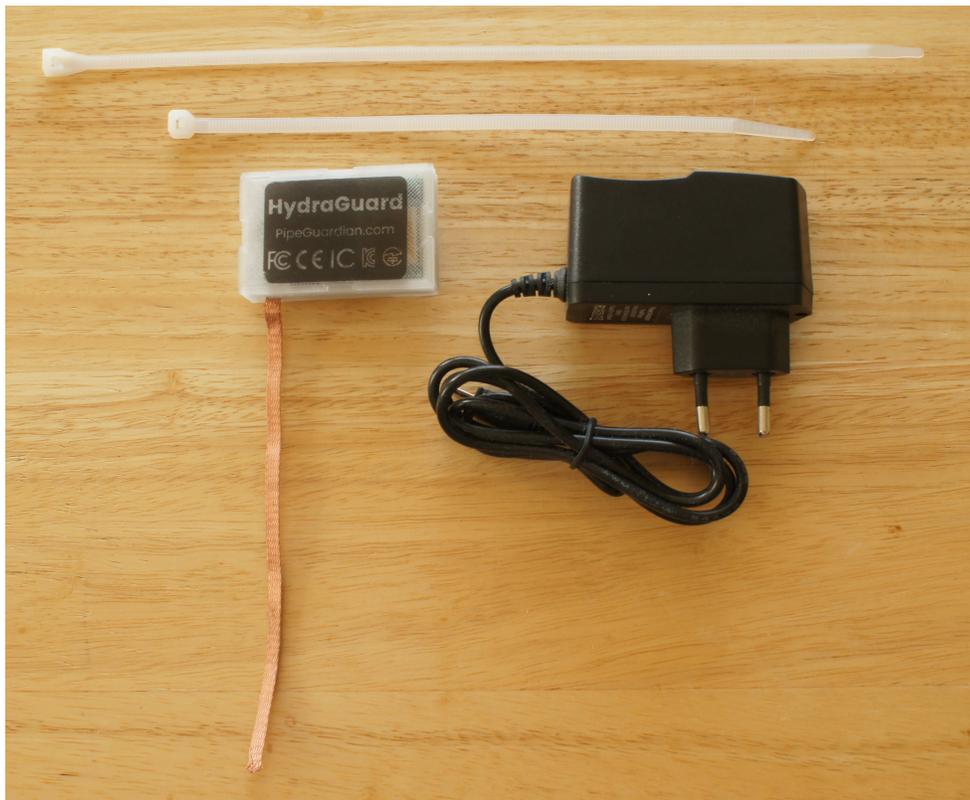
***Protect your home from water leaks  
Conserve water / Lower your water bills***



# Appendix B

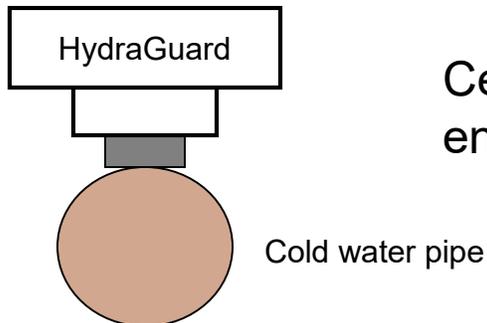


What you receive

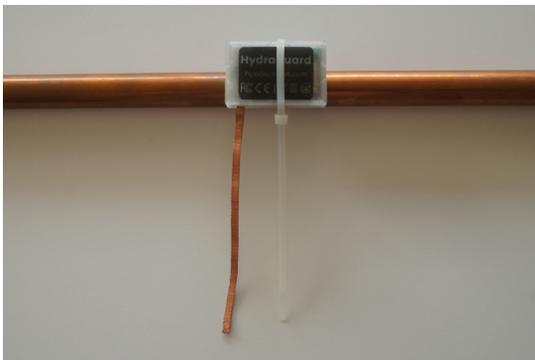




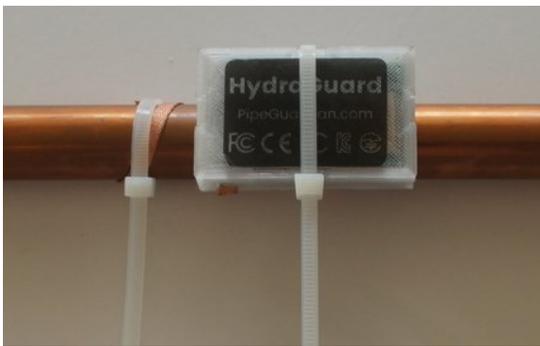
# Installing HydraGuard



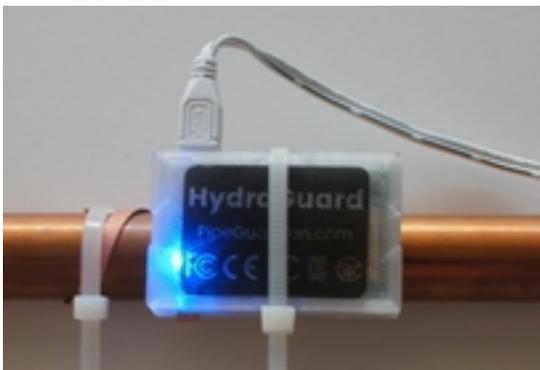
Center the unit onto the pipe to ensure proper reception



Secure HydraGuard onto pipe with the enclosed cable tie



Secure copper braid around pipe



Connect power adaptor to HydraGuard

Plug in power adaptor