



# Smart Touch Controller

Version 1.0

Setup Guide

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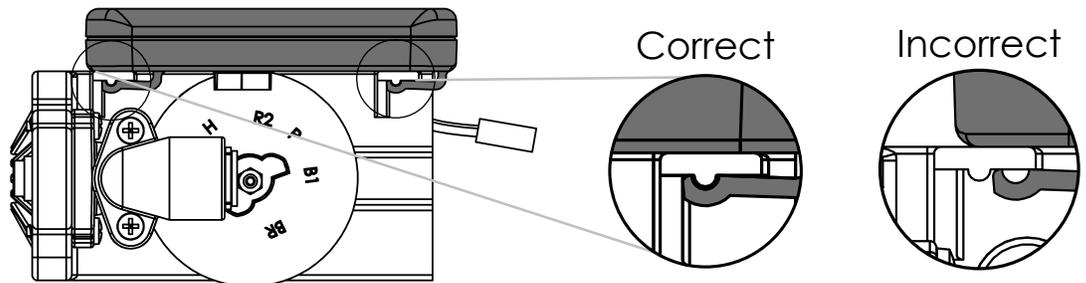
## Setting the Touch Screen Controller

This appliance features a touch screen controller with a color screen display. The controller can be used to view the appliance's status, perform regenerations, and change settings. An independent Hague dealer should set the Service Settings during the installation of the appliance.

**Figure 3: Smart Touch Controller**



**Note:** Ensure that the bottom of the controller is firmly locked onto the four tabs on the top of the drive end cap assembly.



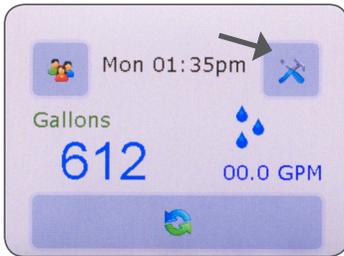
### **Button Function**

1. "OK" Button - Press after information is added and move to next screen.
2. "Back" Button - Navigates to the previous screen.
3. "Clr" Button - Resets all values to 0 and/or default value.
4. "Esc" Button - Escapes to the main menu.
5. "day" Button - Press each time to advance day when applicable.
6. "AP" Button - Toggles time between AM/PM when applicable.

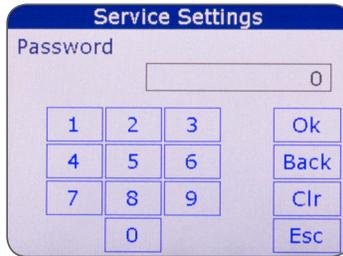
## Service Settings

To program Service Settings on the controller, tap twice on the screen to bring up the “Main Menu”. Follow the following steps to set the Smart Touch controller in the Service Settings.

**Note:** The Service Settings must be set before the Customer Settings.



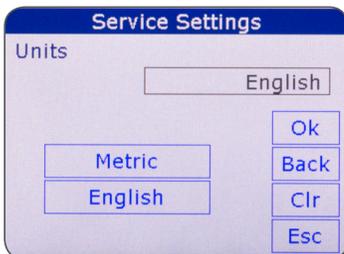
**Main Menu**  
Tap “Service Settings”



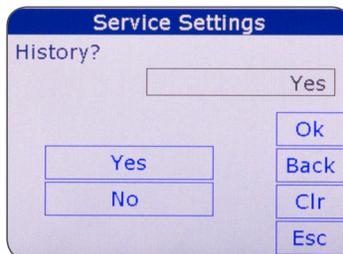
**Password**  
Enter the password  
“OK” to continue



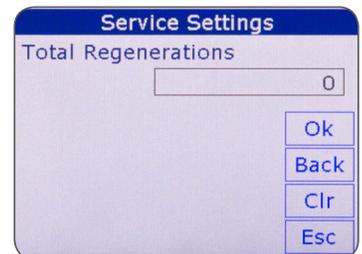
**Language**  
Select the desired language  
(English, Français, Español,  
Deutsch, Italiano)  
“OK” to continue



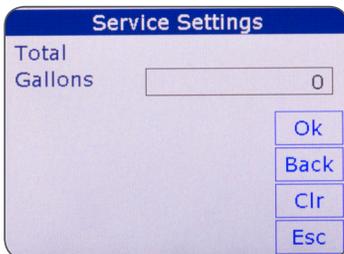
**Units**  
Select units of measure  
(Metric or English)  
“OK” to continue



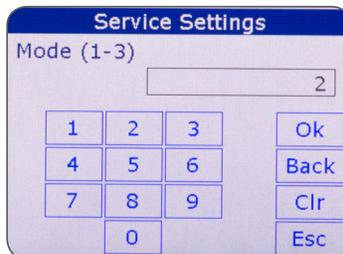
**History?**  
Option to show history  
(Yes or No)  
(see History in next section)  
“OK” to continue



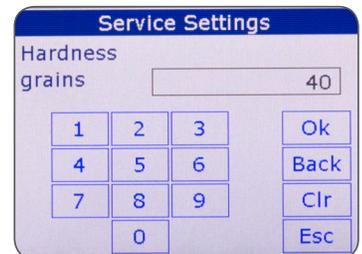
**Total Regenerations**  
Displays number of regenerations  
(For Reference Only)  
Value does reset  
“OK” to continue



**Total Gallons**  
Displays number of gallons  
that has passed through the unit.  
(For Reference Only)  
Value does reset  
“OK” to continue



**Mode (1-3)**  
Enter operating mode  
(1 to 3)  
(see Operating Modes section)  
“OK” to continue



**Hardness Grains**  
Enter Hardness test results  
(1 to 199 Grains) or  
(00000 to 3999 mg/L)  
“OK” to continue

**Iron ppm**  
Enter Iron test results  
(0 to 99 ppm (mg/L))  
"OK" to continue

**Manganese ppm**  
Enter Manganese test results  
(0 to 99 ppm (mg/L))  
"OK" to continue

**Salt**  
Select Regenerant  
(Sodium or Potassium)  
"OK" to continue

**Compensated Hardness Grains**  
Automatically calculated  
"OK" to continue

**Capacity Grains**  
The desired capacity number  
(52 to 9999 Grains) or  
(788 to 6999 gm)  
"OK" to continue

**Backwash 1 Minutes**  
First backwash cycle duration  
Preset - 001.0  
(0 to 999.9)  
"OK" to continue

**Brine/Rinse Minutes**  
Brine and rinse cycle duration  
Preset - 030.0  
(0 to 999.9)  
"OK" to continue

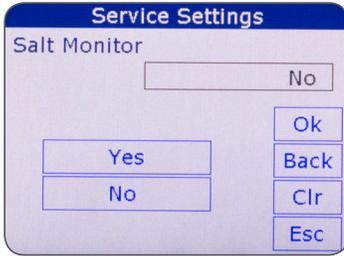
**Backwash 2 Minutes**  
Second backwash cycle duration  
Preset - 005.0  
(0 to 999.9)  
"OK" to continue

**Salt lbs.**  
Amount of salt for each regeneration.  
Preset - 006.2  
(1.0 to 80.0 lbs.)  
(0.45 - 36.99 kg)  
"OK" to continue

**72-96hr Regeneration**  
Force regeneration setting  
(Yes or No)  
(see *Operating Modes* section)  
"OK" to continue

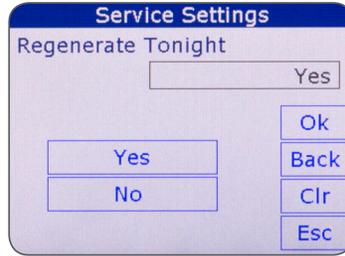
**Distiller/RO**  
Yes, if distiller or RO is in use  
(Yes or No)  
"OK" to continue

**Turbine Test**  
Used for advanced diagnosis  
(Yes or No)  
"OK" to continue



### Salt Monitor

Optional salt monitor in use  
(Yes or No)  
"OK" to continue



### Regenerate Tonight

Set to regenerate tonight  
(Yes or No)  
"OK" to continue



### Dealer Name

Enter the dealership/business name  
"Ent" to continue



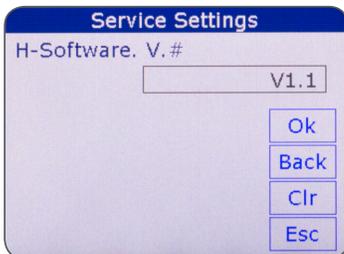
### Dealer Name

Enter the dealership/business phone number  
"Ent" to continue

## Service Settings - History

History - is an optional set of menus that acts as a clipboard for storing the history of water chemistry, total regenerations, amount of water to pass through the unit, unit model number, and other settings. The history can be used for diagnosis purposes or just for reference. History settings DO NOT affect operation.

When you select "Yes" in the history screen the following screens will be available. Take notice of the "H-" prefix to signify that you are viewing the history.



Visible when  
History = Yes

### H-Software. V.#

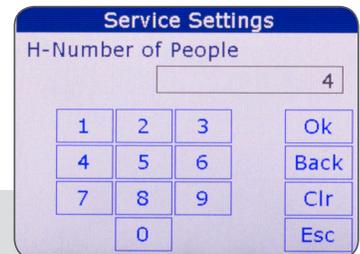
Software version number  
(For Reference Only)  
"OK" to continue



Visible when  
History = Yes

### H- Date

Enter Installation Date  
Format - MMDDYY  
(000000 to 999999)  
"OK" to continue



### H-Number of People

Enter number of people in the household  
(1 to 50)  
"OK" to continue

**Service Settings**

H-Hardness  
grains

1	2	3	Ok
4	5	6	Back
7	8	9	Clr
0			Esc

Visible when  
History = Yes

**H-Hardness grains**  
Enter hardness test results  
(1 to 199 ppm (mg/L))  
"OK" to continue

**Service Settings**

H-Iron  
PPM

1	2	3	Ok
4	5	6	Back
7	8	9	Clr
0			Esc

Visible when  
History = Yes

**H-Iron ppm**  
Enter Iron test results  
(0 to 99 ppm (mg/L))  
"OK" to continue

**Service Settings**

H-Manganese  
PPM

1	2	3	Ok
4	5	6	Back
7	8	9	Clr
0			Esc

**H-Manganese ppm**  
Enter Manganese test results  
(0 to 99 ppm (mg/L))  
"OK" to continue

**Service Settings**

H-Chlorine  
PPM

1	2	3	Ok
4	5	6	Back
7	8	9	Clr
0			Esc

Visible when  
History = Yes

**H-Chlorine ppm**  
Enter Chlorine test results  
(0 to 99 ppm (mg/L))  
"OK" to continue

**Service Settings**

H-Sulfur  
PPM

1	2	3	Ok
4	5	6	Back
7	8	9	Clr
0			Esc

Visible when  
History = Yes

**H-Sulfur ppm**  
Enter Sulfur test results  
(0 to 99 ppm (mg/L))  
"OK" to continue

**Service Settings**

H-pH  
PPM

1	2	3	Ok
4	5	6	Back
7	8	9	Clr
0			Esc

**H-pH ppm**  
Enter pH test results  
(0 to 99.9)  
"OK" to continue

**Service Settings**

H-Iron Bacteria

Yes	Ok
No	Back
	Clr
	Esc

Visible when  
History = Yes

**H-Iron Bacteria**  
Is Iron Bacteria present  
(Yes or No)  
"OK" to continue

**Service Settings**

H-Total Regenerations

Ok
Back
Clr
Esc

Visible when  
History = Yes

**H- Total Regenerations**  
Displays number of regenerations  
*Value does not reset*  
(For Reference Only)  
"OK" to continue

**Service Settings**

H-Total Gallons

Ok
Back
Clr
Esc

**H- Total Gallons**  
Number of gallons that  
has passed through the unit.  
*Value does not reset*  
(For Reference Only)  
"OK" to continue

**Service Settings**

H-Model Number

q	w	e	r	t	y	u	i	o	p
a	s	d	f	g	h	j	k	l	'
Sht	z	x	c	v	b	n	m	Del	
123	@						.com	Ent	

Visible when  
History = Yes

**H-Model Number**  
Enter Model Number  
(00AAA to 99ZZZ)  
"Ent" to continue

**Service Settings**

H-Save History

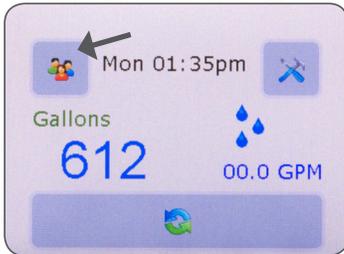
Yes	Ok
No	Back
	Clr
	Esc

**H- Save History**  
Choose to save history  
(Yes or No)  
"OK" to continue

## Customer Settings

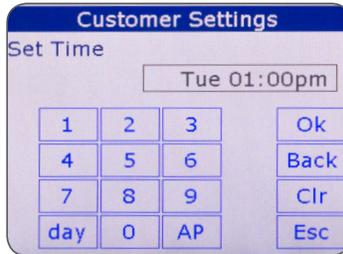
To program Customer Settings on the controller, tap twice on the screen to bring up the “Main Menu”. Follow the following steps to set the Smart Touch controller in the Customer Settings.

**Note:** The Service Settings must be set before the Customer Settings.



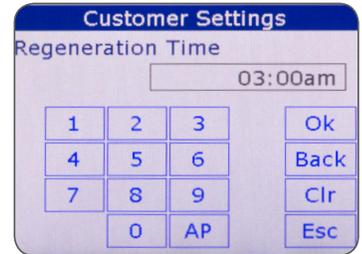
### Main Menu

Tap “Customer Settings”



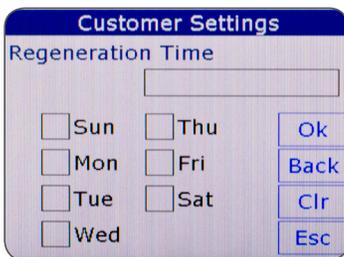
### Set Time

Enter day, time, & AM/PM  
Tap “day” to change day of the week  
Tap “AP” for AM/PM.  
(hh:mm)  
“OK” to continue



### Regeneration Time

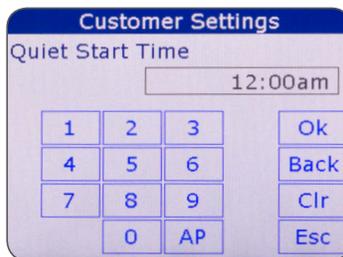
Enter desired regeneration time  
Enter time & AM/PM  
Tap “AP” for AM/PM.  
(hh:mm)  
“OK” to continue



Visible when  
Mode = 1

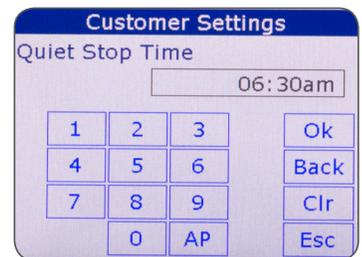
### Regeneration Time

Mode 1 & Days of Week Only  
(see *Operating Modes section*)  
“OK” to continue



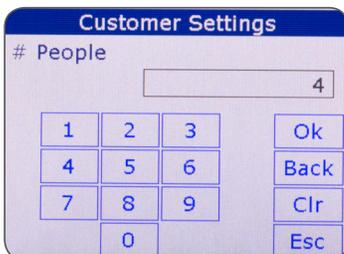
### Quiet Start Time

Enter silent mode.  
Enter time & AM/PM  
Tap “AP” for AM/PM.  
(hh:mm)  
“OK” to continue



### Quiet Stop Time

Stop silent mode.  
Enter time & AM/PM  
Tap “AP” for AM/PM.  
(hh:mm)  
“OK” to continue



### # People

Enter number of  
people in the household  
(1 to 50)  
“OK” to continue

**Note:** Whenever you experience an electrical outage, check your controller for the correct time and date. Make any necessary corrections.

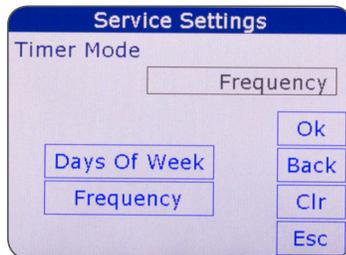
## Smart Touch Operating Modes

The controller has a Timer mode (Mode 1 Frequency and Mode 1 Days of the Week), a Demand Delayed mode (Mode 2), and a Demand Immediate mode (Mode 3). These modes are equipped with Capacity Guard®, which ensures that a supply of conditioned water will be available even with excessive water usage.

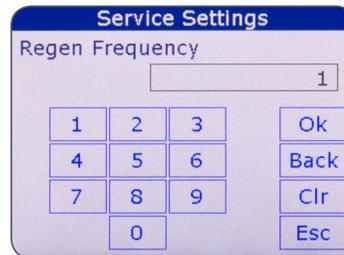
### Mode 1 - Timer Mode - Frequency

When the appliance is in Mode 1 - **Frequency**, it will regenerate based on the frequency that is set.

For example every one day or up to every 20 days. The days between regenerations can be set in the “Service Settings”.



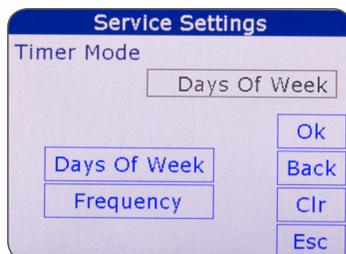
When Frequency is selected, the next screen will allow you to chose how many days between regenerations.



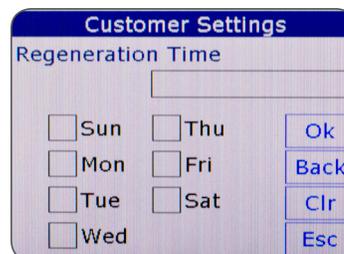
Enter the number of days (1-20) between regenerations.

### Mode 1 - Timer Mode - Days of Week

When the appliance is in Mode 1 - **Days of Week**, it will regenerate on a specific day(s) of the week.



When Days of Week is selected, the regeneration days can be selected in the “Customer Settings”.



In “Customer Settings”, check the days in which you would like the unit to regenerate. “OK” to continue.

### Mode 2 - Demand Delayed Mode

When the appliance is in the Patented Savematic Demand Delayed mode, it will regenerate based on the actual water usage and the total capacity of the appliance. The time that the regeneration takes place can be set, for example 2:00 AM. Should the total capacity be depleted before the set regeneration time, a forced regeneration will occur.

### Mode 3 - Demand Immediate Mode

When the appliance is in the Demand Immediate mode, it will regenerate based on water usage alone. Regeneration will occur when the capacity limit is reached. The time of regeneration cannot be set.

### 72 - 96 Hour Regeneration

If this value is set to Yes, the appliance will be forced to regenerate every 96 hours unless a regeneration based on water usage occurs within the time interval. The value should always be set to Yes if iron is present in the water.

## Notes

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**Notes**

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## Hague Quality Water International

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Groveport, OH 43125

614.836.2115  
[www.haguewater.com](http://www.haguewater.com)