VIGILANT
HUMIDORS

Guardian 10, 100 & 150 Humidification Systems

Operating Instructions

Guardian Humidification Systems

Operating Instructions

Congratulations! You have purchased the finest cigar humidification system ever created for the preservation of premium cigars. The Guardian Humidification System is designed to provide your premium cigars with the optimal storage environment. The Guardian microprocessor constantly monitors the humidity level of your cabinet interior and will maintain the relative humidity (RH) to within 2% of your desired setting.

Should you have any questions regarding the installation or operation of Vigilant's Guardian Humidification System, please call us at 888-812-4427 and we will be happy to assist you.

Please read this entire manual before operating your Guardian Humidification System. By following these instructions, you will guarantee the proper conditions for your prized cigar collection.

Parts

- Humidification system – consists of water reservoir, controller, and sensor
- Zip ties (2)
- Wire anchors (5)
- 24-volt wall adapter
- Wicking filter (located inside system)

Guardian 10 model

Guardian 100/150 model

Installation and Start-Up Operation

IMPORTANT:

- DO NOT OVERFILL THE RESERVOIR AS OVERFILLING WILL CAUSE DAMAGE TO YOUR CABINET!
- DO NOT POUR WATER ON THE FAN THIS CAN CAUSE DAMAGE TO THE ELECTRONICS.
- DO NOT MOVE CABINET WITH WATER IN IT.

1. Remove all packing material from the reservoir area and make sure the parts list is complete. Leave the white mesh wicking filter in the reservoir.

2. Place the Guardian Humidification System in the bottom of your cabinet.

3. Insert the small end of the power cord through a hole in your cabinet and plug it directly into the power jack on the side of the controller of your system.

4. Placement of sensor: Determine a suitable location for the sensor, preferably two-thirds up from the back panel or side wall, and/or as close to the horizontal center of the back panel as possible.

5. Extra support for the sensor can be gained using the included wire anchors and zip ties.

6. Slowly fill the reservoir with distilled water to the max fill line. The reservoir is outfitted with an overflow vent that will prevent damage to your system. Make sure that the white mesh wicking filter is sitting vertically upright in your reservoir.

7. Plug your humidification system into a surge protector that is attached to a grounded outlet. The digital display will activate within 6 seconds and a 10-minute stabilization program will begin.

8. Next, the unit will automatically begin to operate at the **factory set point of 67% relative humidity**. Allow the unit to run at the factory set point for **at least 24 hours** before making adjustments.

   - The system will use large amounts of water during the first several days of operation. Once the humidor has been seasoned (3 – 4 days), water use will greatly diminish.

   - It is recommended that you do not set the humidity level above 70%, as cigars stored at humidity levels higher than 72% can become soft and moldy.

   - If you choose to make an adjustment to the humidity level, limit the change to no more than 2% in a 10-day period.

Adjusting the Humidity

Your Guardian Humidification System has been pre-set at 67% relative humidity and operates on a range (hysteresis) of approximately 2%. The system, therefore, will operate between 66% and 68%, as set. As the controller system is fully automatic, the only controller feature you need to be familiar with is the set point adjustment.

Your system should be run at the pre-set level – with cigars in the cabinet – for at least two weeks before adjusting the humidity. If you choose to make an adjustment, limit the change to no more than 2% in a 10-day period.

PLEASE NOTE: Loading the cabinet with moist cigars may temporarily bring the relative humidity above the set point range on the system.

The digital display will indicate the actual humidity level inside of your humidor. To view and/or adjust the set point, read this manual completely before proceeding then simply follow these steps:

1. Tap the Menu ☰ key to index to the RH SET option.
2. To adjust humidity upward, tap the Raise key ⏶ until desired level of humidity is reached.
3. To adjust humidity downward, tap the Lower ⏷ key until desired level of humidity is reached.

Maintenance of Reservoir and Wicking Filter

When the display indicates low water, it is time to fill the water reservoir. Frequency of filling will vary depending on climatic conditions and cabinet size.

As the reservoir and wicking filter(s) are constantly exposed to moisture and dirt collected from the circulating air, they must be cleaned periodically. We recommend that you clean the reservoir and filter each time you add distilled water.

1. Unplug the system from its power outlet before you begin cleaning the reservoir and filter.
2. Remove the humidification system from your cabinet, being careful not to spill any water on your humidor. Remove the thumbscrews, lift the cover off and remove the filter.
3. Wipe the walls of the reservoir with a damp paper towel
4. Wicks should be changed every 90-120 days and can be ordered directly from Vigilant's online store at https://store.vigilantinc.com/.
5. Insert clean filter into the reservoir and return it to your cabinet.
6. To fill the reservoir, add DISTILLED water through grommet opening. Never overfill the reservoir. Watch the water level carefully while filling. Slowly fill reservoir to the max fill line.

Suggestions

The installation and maintenance of your Guardian Humidification System will directly affect its performance. Here are some factors to consider:

- Do NOT block the system fan airflow. Shelves or boxes of cigars should be at least 4" above the fan.
- Do NOT block the sensor by stacking boxes or other impediments in front of it.
- Keep the water reservoir and wicking filter clean by servicing at least every 90-120 days.
- Avoid frequent opening of your cabinet door(s). If the humidor is used for commercial environments, nighttime recovery will be crucial for maintaining an optimal environment.

TROUBLESHOOTING

Cabinet appears not to maintain desired humidity level

- Check the set point adjustment by tapping the far-left key on the control panel. If the set point is not at your desired relative humidity level, reset by following the "Adjusting the Humidity" instructions.
- Check the seal(s) of the door(s) and drawer(s) of your cabinet. The system may not be able to maintain adequate humidity levels in a cabinet that is not airtight.
- Check the water level in the reservoir. If it is empty, the red LED should be lit. If not, carefully fill your reservoir to approximately 1" below the overflow hole.
- Be certain that fan and airflow intake are clear of any obstructions that could impede air circulation.
- Verify that the wicking filter is vertically positioned inside the reservoir.

Cigars are too moist or too dry

- Your humidity set point is too high or too low.
- Remember that the system will run up to 2% above the set point. It is recommended that the system is started at the pre-set level of 67% RH to maintain an interior humidity level between 66-68%.

Fan does not work

- Check power source and connections.
- If the set point is below the humidity level of the cabinet's interior, the fan will not run.
- Press the far-left button on the control panel to check set point.

If these troubleshooting recommendations do not correct the problem, call Vigilant at 888-812-4427 and a service representative will gladly assist you.

Guardian Digital Controller Overview

Designed in-house to be the most advanced micro-climate controller in the industry, the new Guardian is the culmination of 25 years in producing the finest long-term storage and preservation devices.

A bright, intuitive display and easy-to-navigate menu makes setup and operation simple, while the powerful microprocessor automatically keeps conditions in check.

Before you power up the Guardian controller, please take a moment to read this guide and familiarize yourself with the controller, menu, and options.

- DO NOT make alterations or additions to the terminal at the back of this control without contacting us. All controls are built and wired to order, and permanent damage to this device or your collection could occur if incorrect changes are made. Please contact us if changes are needed and we are happy to assist.

- Several OPTIONAL features listed may not be enabled on your device.

- If you are operating the control with a remote wired sensor, be sure to adjust the slide switch located on the side of the control before the unit is powered. Information about this feature is listed under the "Keys & Switches" section.

- A flashing alarm will display during the initial process and after major changes to the set points. This is normal. Alarms will automatically clear once the conditions near the desired set point. Information about alarms is listed in Settings.

DIMENSIONS

3 7/16"

4 1/2"

1 15/16"
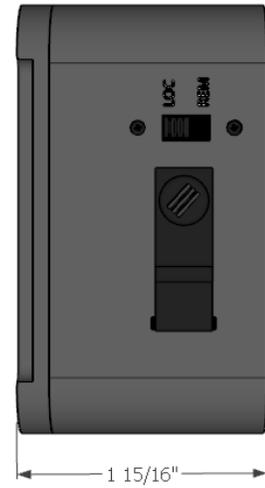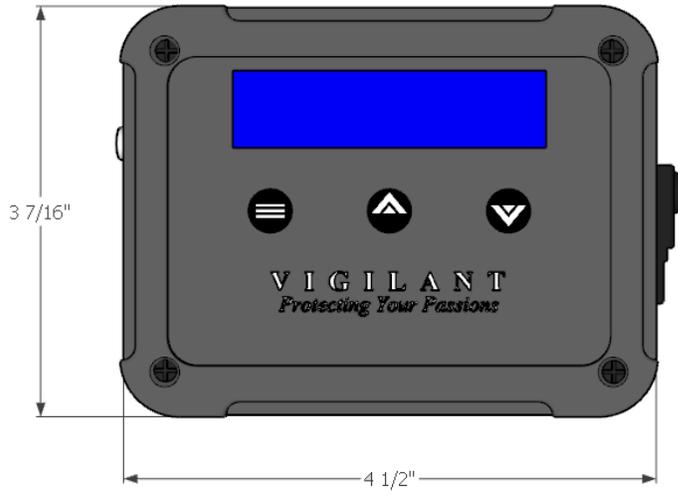
KEYHOLE MOUNTING LOCATIONS

2 7/8"

1 23/32"

CONNECTIONS

Sensor local / remote switch

Local Sensor

Remote control wire connection

Wired remote sensor connection

Power input connection
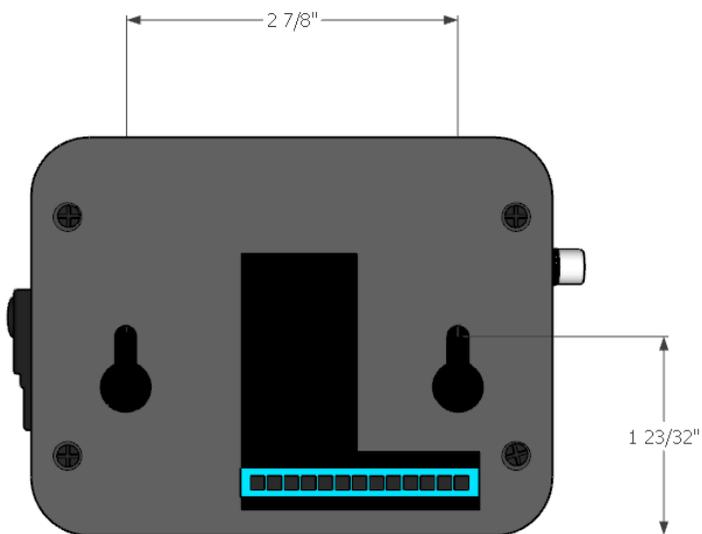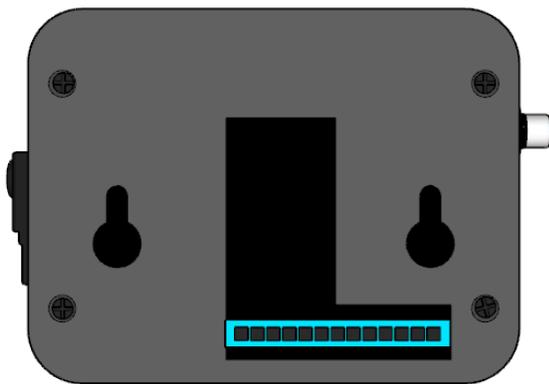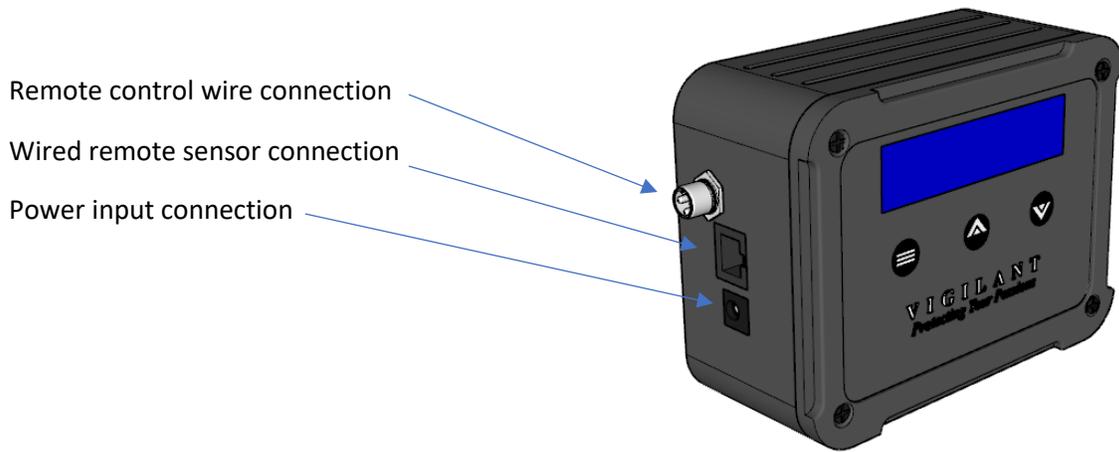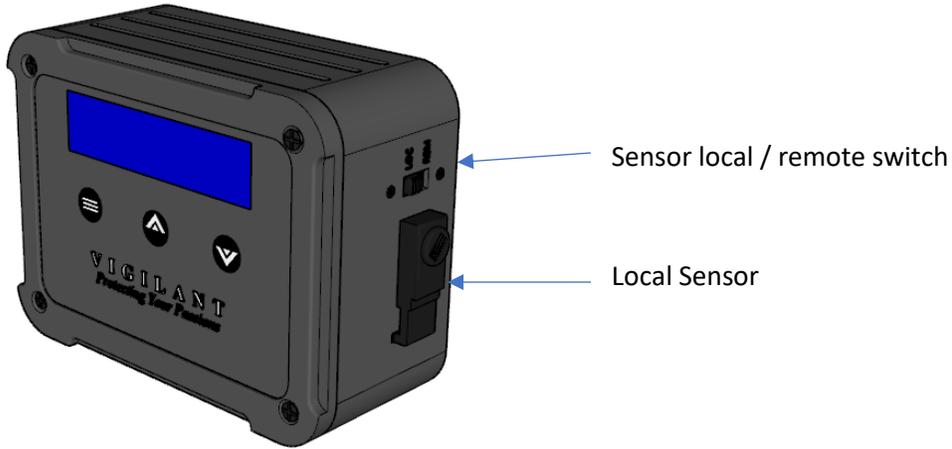
Back
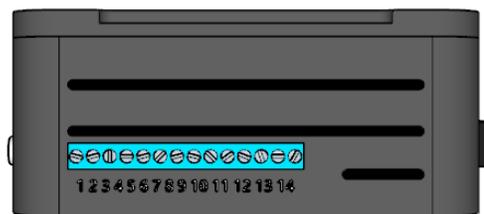
I/O Terminals

Bottom

I/O Terminal screws

KEYS & SWITCHES

Menu Key. Each menu keypress press will index through user settings.

Raise Key. Adjusts setting value up.

Lower Key. Adjusts setting value down.

SENSOR LOCAL / REMOTE SWITCH

LOC: Controller uses onboard sensor

REM: Controller uses wired remote sensor

! Disconnect power before making selection

POWER-UP STABILIZATION MODE

The Guardian sensor requires an initial stabilization period when first powered. At this time, the controller will run a stabilization program.

This program will delay operation for **10 minutes** and all outputs will be **OFF**.

During this mode, the display will read "STANDBY" and the current sensor reading.

Initially the sensor reading will be blank. After a short period (less than 15 seconds), the sensor output will begin to increase. The final stabilization time will depend on the ambient conditions. The longest stabilization is required when the ambient parameter is near full scale, typically no longer than 24 hours.

ALARMS
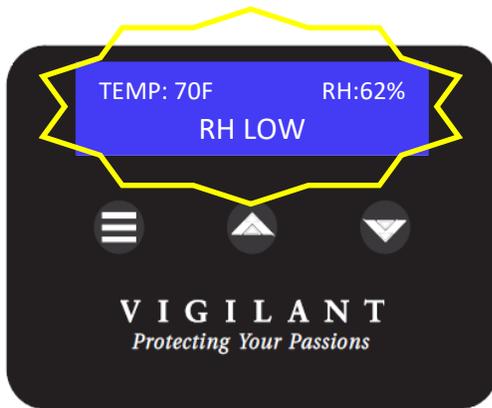
The Guardian controller is equipped with several alarms. When in alarm, the display brightness and alarm message will flash. All alarms will automatically clear once the condition is corrected.

Temperature and Humidity: T&H alarms will automatically adjust with the set point to activate 5°/ 5% both above and below the current set point.

Low Water: Low water will be indicated with "LOW WATER" message and flashing display. This alarm will automatically clear once the reservoir is replenished**.**

ICON KEY

TEMP: 70F   RH:70%

Cabinet Lights*	
Circulation Fans*	
Heating *	
Cooling*	
Humidification	
Dehumidification*	

VIGILANT
Protecting Your Passions

* Optional Equipment

Icons will only appear onscreen when the feature is ON or active.

SETTINGS

Menu Key. Each menu keypress press will index through <u>enabled</u> user settings in the following order:

- If no key is pressed for 20 seconds the display will return to the home screen.
- Press and hold the ☰ key anywhere in the user menu for 3 seconds to force return to the home screen.
- Indexing after the last option will return to the home screen
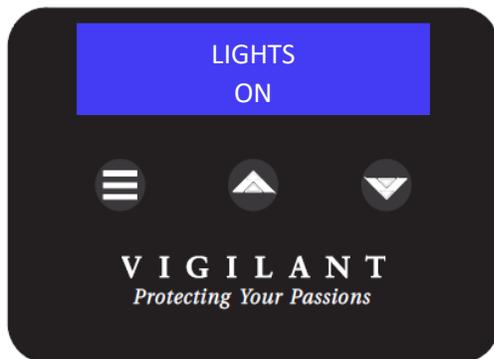
Cabinet lights*

Raise. Cabinet lights ON.

Lower. Cabinet lights OFF**.**

Leave setting to "ON" if internal dimming is used

*Lights are optional equipment. You may not see this option.
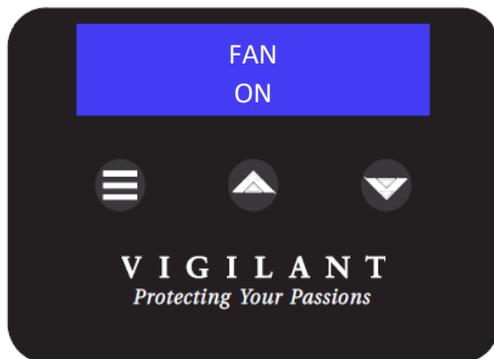
Circulation fans*

Raise. Circulation fans ON.

Lower. Circulation fans OFF**.**

Fans are "always on/off" and not controlled

*Circulation fans are optional equipment. You may not see this option.

SETTINGS (continued)

Temperature set point*

TEMPERATURE SET
70F

Raise. Temperature set point

Lower. Temperature set point

Temperature set point range is 60-80°F unless specified

*Temperature is optional equipment. You may not see this option.
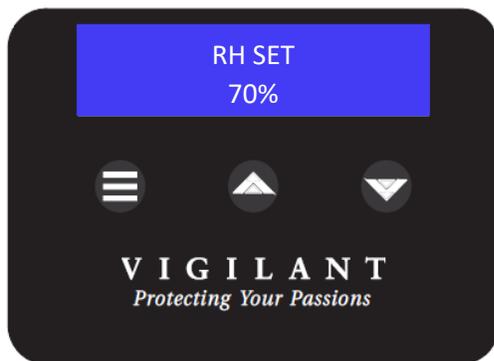
Relative Humidity (RH SET)

RH SET
70%

**Raise.** Humidity set point

Lower. Humidity set point

Operates both Humidification and *Dehumidification (DRH)

*Dehumidification is optional equipment. DRH outputs may be disabled.

SETTINGS (continued)
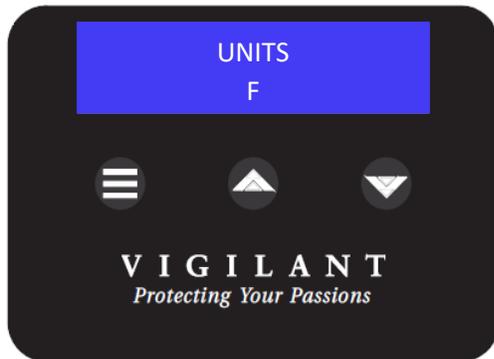
Temperature Units

UNITS
F

Raise. Fahrenheit Selection

Lower. Celsius Selection
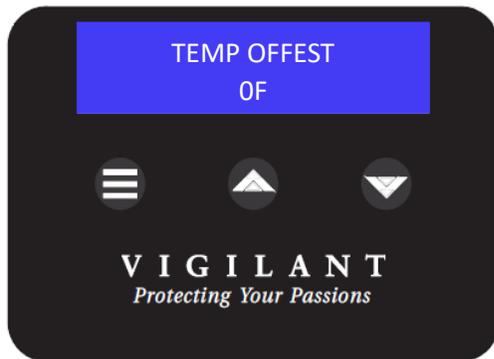
Temperature (TEMP) offset

TEMP OFFEST
0F

Raise. Temperature Offset

Lower. Temperature Offset

Factory may adjust during set up. Use this number as Default.

Use this feature to offset the display if needed. Offset Max is **+**10 F/C°. Offset minimum is **-**10 F/C°

SETTINGS (continued)
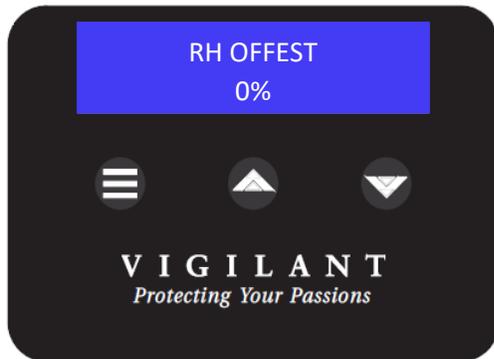
Relative Humidity (RH) offset

RH OFFEST
0%

Raise. RH Offset

Lower. RH Offset

Factory may adjust during set up. Use this number as Default

Use this feature to offset the display if needed. Offset Max is **+**10 %. Offset minimum is **-**10 %
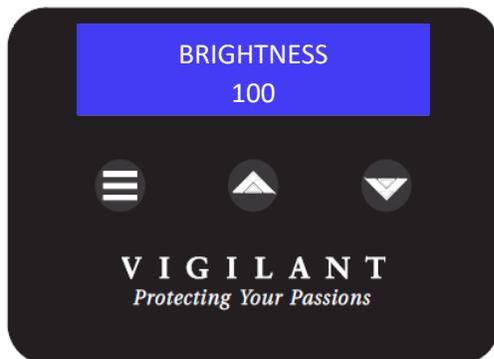
Brightness

BRIGHTNESS
100

Raise. Brightness

Lower. Brightness
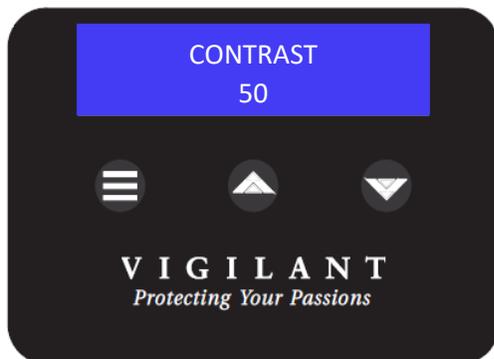
Contrast

CONTRAST
50

Raise. Contrast

Lower. Contrast

SETTINGS (continued)
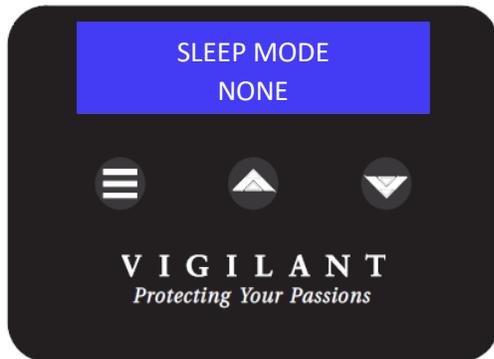
Sleep Mode

Options

- NONE. Display stays on
- OFF. Display turns off after 20 seconds. Wakes up with button press.
- DIM. Display dims to 25% of set brightness after 20 seconds. Wakes up with button press.

MANUALLY CHANGING MODE

TEMP: 70F   RH:70%
STANDBY

Hold ≡ + ▼ for 3 seconds to enable standby mode.

Hold ≡ + ▲ for 3 seconds to disable standby mode.

When STANDBY is enabled, all devices will switch OFF and display will remain active.

When STANDBY is disabled, the controller will resume normal operation

VIEW SAVED MIN/MAX LEVELS

MIN: 70F   MAX: 72F
MIN: 68%   MAX: 71%
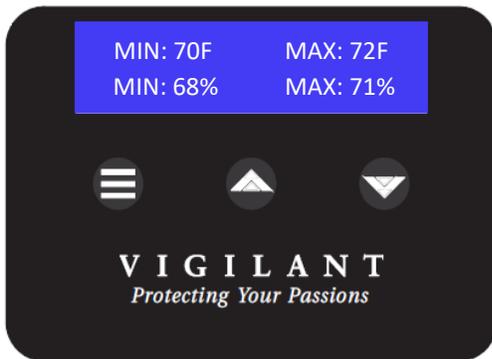
Press ▲ + ▼ to show MIN/MAX

Press ▲ + ▼ again to clear or press ≡

to return to the home screen

CABLES

Sensor assembly


DC power extension – 36"


Remote control wire (optional)
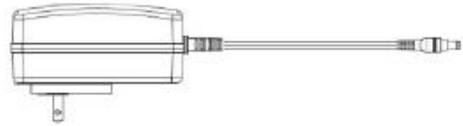
Power supply – 60"

FILTER ACCESS
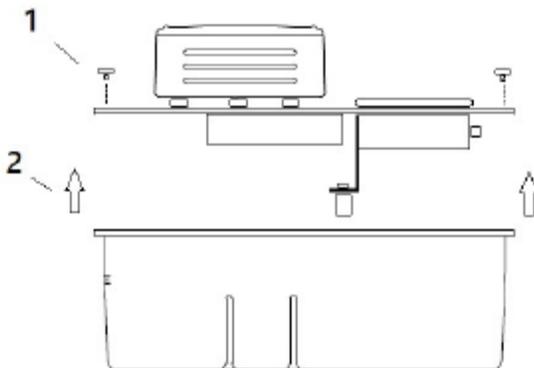
1. Remove thumb screws
2. Lift cover off

ADDING WATER
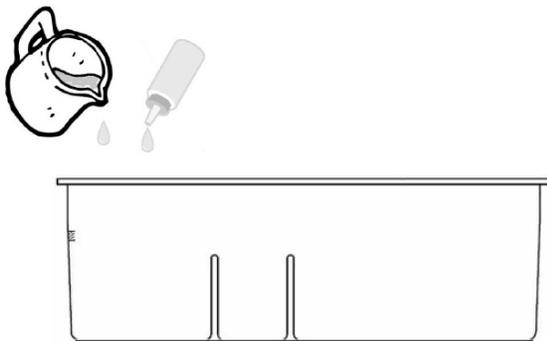
- Display will indicate low water.
- Fill the reservoir with distilled water. Treat the water with Bacteriostat at this time if desired.
- DO NOT fill beyond the MAX FILL line.

CONTROLLER REMOVAL/ATTACHMENT

Controller can be detached from reservoir and mounted remotely. Contact Vigilant for optional remote control wires.

1. Slide the controller back on the mounts
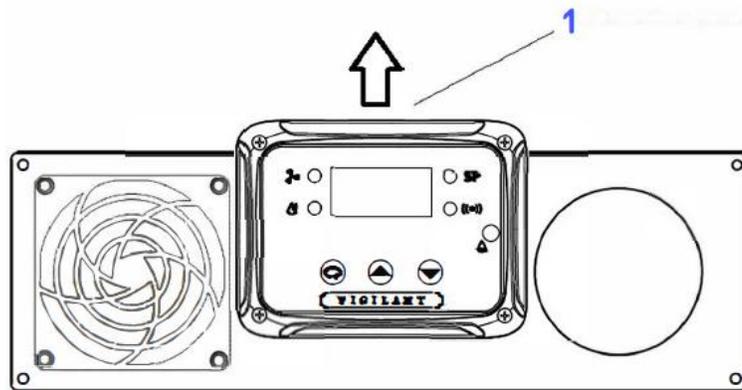
2. Lift the controller off the reservoir and press lever to disconnect the control wire
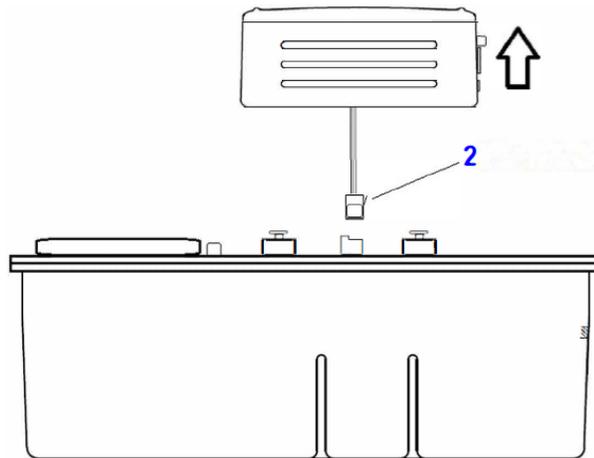
3. Tuck the control wire back into the housing
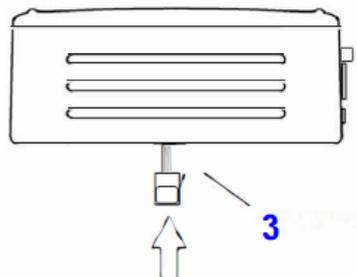
4. Locate the control wire inlets on both the controller and reservoir.
5. Push the remote control wire onto the inlet and thread clockwise to secure.

4 **5**

Remote control wire connection

Thread clockwise to connect wire
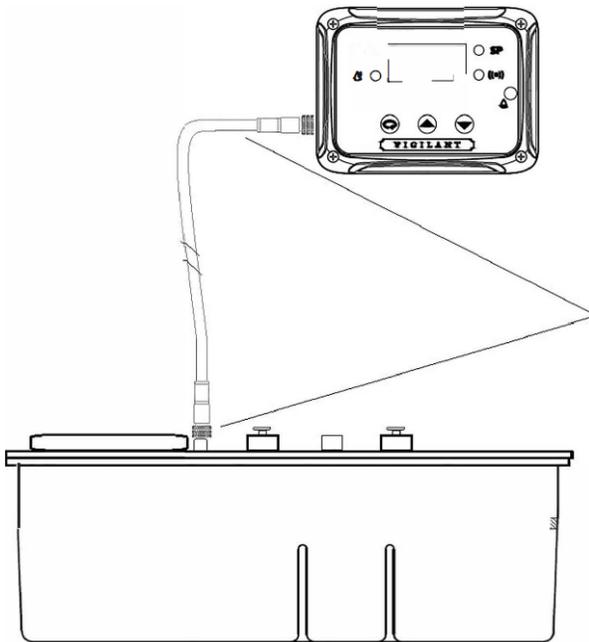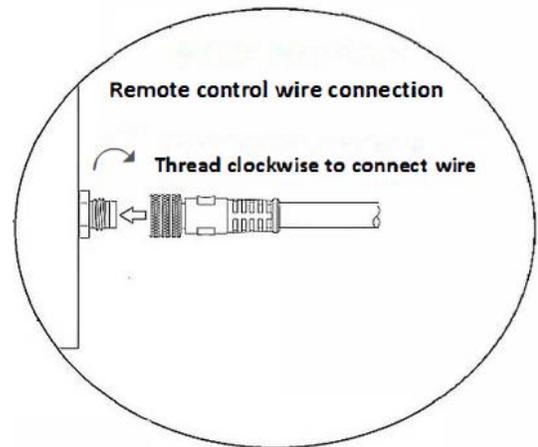
WARRANTY

Register your warranty online at vigilantinc.com/warranty

Limited 2-Year Electronics Warranty

Upon registering your system with Vigilant, your Vigilant electronics are covered under our limited two-year warranty. All Vigilant electronic products are guaranteed to be free from defects in materials and/or workmanship for up to two years from date of purchase. Vigilant, at its sole discretion, may repair or replace defective components or products within this two-year period.

Any and all component(s) determined to be defective by Vigilant, must be returned at the owner's expense to Vigilant along with a copy of the original sales receipt.

Conditions to Electronics Warranty

- Vigilant is not responsible for damage incurred during a product's return as a result of improper packaging. It is strongly suggested that all original packaging material from Vigilant be retained for returns.
- Vigilant is not responsible for any damage to property that results from the failure of a Vigilant product or product component.
- Warranty does not pertain to any customer-applied finishes, or any damage caused by neglect, abuse, misuse, improper operation, or unforeseen circumstances.
- Warranty is considered null and void if the online warranty registration is not completed within 60 days of receipt of your product.
- Warranty is non-transferable and valid for the original owner only.

Vigilant is a reseller for many fine products in the industry. Products resold by Vigilant carry the original manufacturer's warranty.

Please contact Vigilant at 888-812-4427 if you have any questions about your warranty. Learn more about our warranty details at vigilantinc.com/guarantee.