

6-Person Hands-Free Wall Mount Stainless Steel Wash Station



| Model | Sensor Type | Flow-Rate |
|------------|-----------------|------------------|
| 512WAL | AC Powered | Standard 2.0 GPM |
| 512WAL-0.5 | AC Powered | Low-Flow 0.5 GPM |
| 512WBL | Battery Powered | Standard 2.0 GPM |
| 512WBL-0.5 | Battery Powered | Low-Flow 0.5 GPM |

Product Specifications

Constructed from welded #16 gauge type 304 stainless steel. The front, bottom and back are formed from a single sheet with a rolled rim on front and sides. Exposed surfaces have a blended uniform satin finish.

| | |
|-----------------------|-------------------------------------|
| Outside Dimensions | 120" x 20" x 18" High |
| Inside Bowl Size | 117" x 16-1/2" x 8" Deep |
| Back Splash Height | 10" |
| Water Activation | AC or Battery Powered Sensor Faucet |
| Flow Rate | 2 GPM |
| Inlet Connections | 3/8" Male Compression |
| Drain Opening | 2" |
| Finish | Satin |
| Strainer | 1-1/2" Dia. Duo Basket Strainer |
| Wall Mounting Bracket | 1/4" Dia. Mounting Holes |

Includes

- (1) Wall mount wash station
- (6) AC or Battery powered sensor faucet assembly
- (4) Wall-mounting brackets
- (4) Support brackets
- (6) Mixing check valve
- (3) Strainer assembly with basket

Product Compliance

NSF/ANSI 2 Food Equipment
NSF/ANSI 372 Lead-Free Compliant
ASME A112.18.1



Part: _____ Quantity: _____

Project: _____

Contact: _____

Date: _____

Approval: _____

Notes:

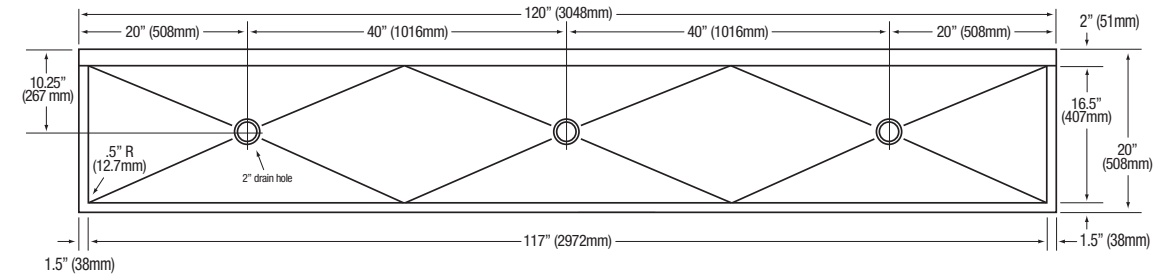


WARNING: Equipment that include faucets on this page may contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

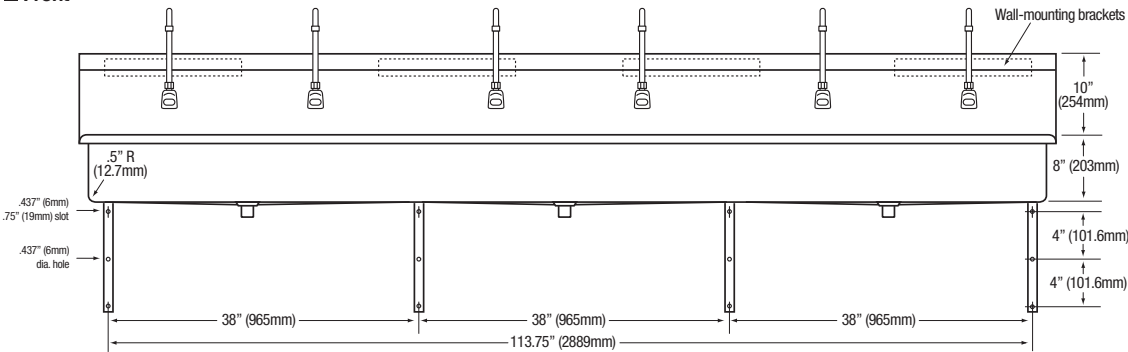
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6-Person Hands-Free Wall Mount Stainless Steel Wash Station
Models 512WAL, 512WAL-0.5, 512WBL and 512WBL-0.5

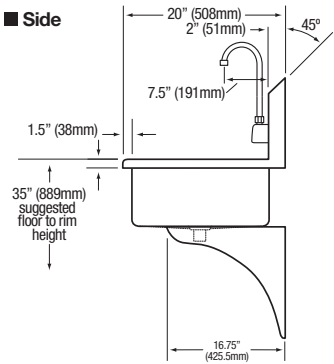
Top



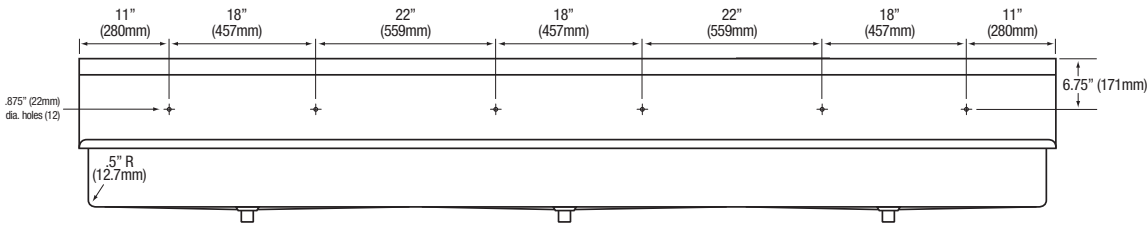
Front



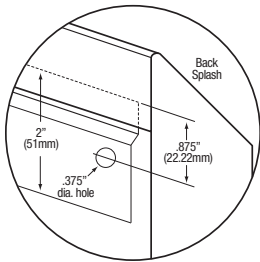
Side



Hole Configurations



Wall Mounting Detail



SANI-LAV Sensor Faucets

Wall Mounted AC and Battery Powered
Meets ANSI/ASME A112.18.1 M-1989



Operation

- 1. A continuous, invisible beam is emitted from the sensor.
- 2. The faucet is activated by placing hands under the spout within the effective range of the beam. Water starts to flow immediately for as long as the user's hands remain in the sensor range.
- 3. When hands are removed, the water flow stops. The sensor will automatically reset and be ready for the next user.
- 4. In the battery powered version, a flashing red light will indicate a low battery condition.

Specifications

Faucet Construction

Solid brass, chrome plated
Solid state, AC or battery, switchable
Preset at 20 seconds and adjustable to 10, 30, or 60 seconds
2 minute run every 12 hours or 24 hours
60, 120, 180 seconds
Preset and adjustable
Presets and adjustable from 1-8 seconds
Armored, vandal resistant
6V DC, normally closed

Control Circuit

- Auto. Time-out
- Line Purge (request only)
- Scrub Mode Delay (request only)
- Sensor Range
- Shut-off Delay

Control Cable

Solenoid Valve

- Wattage: 0.4W (idle), 5W (in use)
- Operating Pressure: 5 psi to 125 psi

Flow Control

2.0 or 0.5 GPM, Laminar Flow Control

AC Mode

Power Adapter

- Standard Plug-in
 - (UL/CSA)
 - Power Cable
 - Optional Multi-Unit Adapter
 - (UL/CSA)
- Input AC 120V 60 Hz or 220V
Output DC 12V, 0.8A/Class 2
Armored, vandal resistant
Serves up to 8 faucets
Input AC 120V, Output DC 12V, 3A

Battery Mode

Battery Powered Models

(4) AA Alkaline Batteries
400,000 on/off cycles, up to 4 years

Battery Service Life

Package Includes

- (1) Faucet with electronic sensor
- (1) Control box w/6V DC solenoid
- (1) 12V DC plug-in power adaptor (H-6700C, -DC, -LR and -LRDC only)
- (1) In-line filter with clean-out trap
- (1) 18" Flex, S.S. supply tube, 3/8"(1) 6" Gooseneck Spout
- (1) Mounting hardware
- (1) 2.0 GPM Flow Control(4) AA Alkaline batteries (HB-6700C, -DC, -LR, -LRDC only)
- (1) Battery holder (HB-6700C, -DC, -LR, -LRDC only)

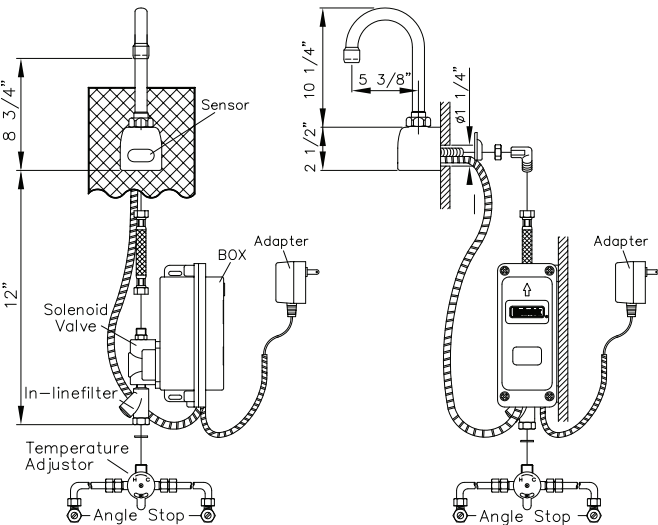
Dimensions

- Base Width (Outside Measurement)
 - Base Depth
 - Faucet Height (Aerator to Base)
 - Faucet Height Overall
 - Depth (Center of Aerator to Center of Faucet Base)
 - Mounting Bolt Length
 - Mounting Bolt Pattern
- 2-1/4"
2-1/2"
8-3/4"
12-3/4"
5-3/8"
1-7/16"
Single-hole mount

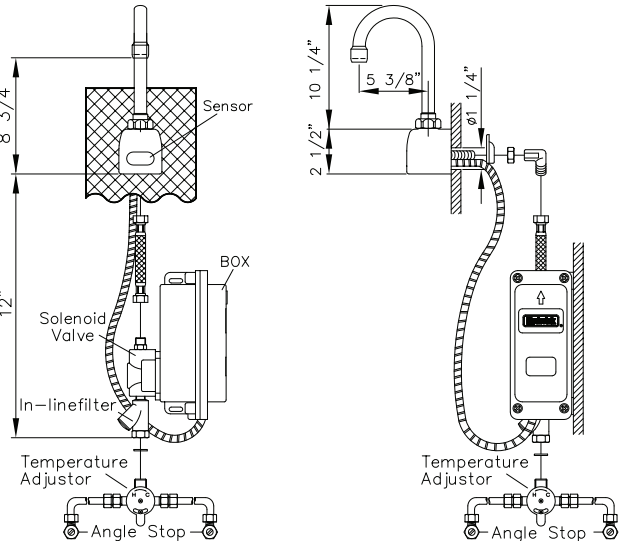
Optional Variations and Accessories

- 0.35, 0.5, 1.5, 2.2 GPM Laminar Flow
- HC-010 Multi-Unit Voltage Adapter (AC Powered Only) - 8 units
- HC-0104 Multi-Unit Voltage Adapter (AC Powered Only) - 4 units
- HC-001 Mixing/Check Valve (Mechanical)
- HBL-04-LR Thermostatic Mixing Valve with Checks (Low Lead)
- 8" deep Gooseneck and 6" or 8" Swing Swing SpoutModel

| Model | Sensor Type | Flow-Rate |
|-----------|-------------|------------------|
| ES2RL | AC Powered | Standard 2.0 GPM |
| ES2RL-0.5 | AC Powered | Low-Flow 0.5 GPM |



| Model | Sensor Type | Flow-Rate |
|------------|-----------------|------------------|
| ESB2RL | Battery Powered | Standard 2.0 GPM |
| ESB2RL-0.5 | Battery Powered | Low-Flow 0.5 GPM |

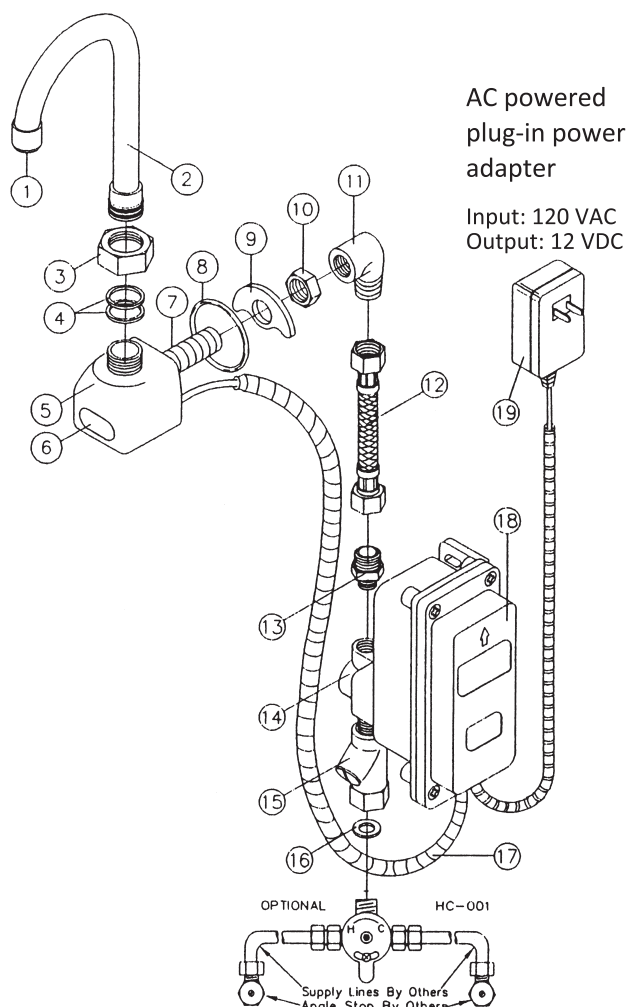


6700C Series

DC Powered Sensor Operated Mixing Faucet

Installation Instructions

1. Prior to installation, thoroughly flush all water lines and replace stop washers, if required.
2. To ensure proper operation, "DRY TEST" the faucet by plugging the **Sensor Eye Cable (17)** into the matching connector on the PC board inside of the **Control Box (18)**.
 - a. **AC Powered:** Connect the **Power Adapter (19)** to the PC board inside of the **Control Box (18)**, then plug the Power Adapter into a 120 V AC wall outlet. Place your hand in front of the sensor eye and listen for a clicking sound. If there is no clicking sound, call the factory.
 - b. **Battery Powered:** Properly install new batteries into the battery holder and ensure the battery holder is connected to the PC board. Place your hand in front of the sensor eye and listen for a clicking sound. If there is no clicking sound, call the factory.
3. After a successful "DRY TEST", unplug the **Sensor Eye Cable (17)** and **Power Adapter (19)** or battery holder from the PC board.
4. Loosen **Flow Control Device (1)** and assemble the **Gooseneck Spout (2)** using the **Split Washers (4)** and **Spout Nut (3)**. Mount the **Gooseneck Spout (2)** onto the **Body (5)**. Feed the **Sensor Eye Cable (17)** through the sink wall and tighten the faucet onto the sink using the **O-Ring (8)**, **Washer (9)**, and **Mounting Nut (10)**. Attach the **90-Degree Elbow (11)** to the **Supply Rod (7)**.
USE TEFLON TAPE ONLY, NO PIPE DOPE
5. Reconnect the **Sensor Eye Cable (17)** and **Power Adapter (19)** connections described in STEP #2, making sure the cables are seating in the **Control Box (18)** housing properly.
6. Attach the **Compression Fitting (13)** to the **Solenoid Valve (14)** and connect it to the **Elbow (11)** usingn the **Supply Tube (12)**. Insert the **Nylon Washer (16)** into the swivel nut located on the **In-Line Filter (15)**.
 - a. **Pre-tempered or cold water only:** Use a union fitting (not supplied) to connect the supply line (not supplied) from the supply stop to the **In-Line Filter (15)**.
 - b. **Tempered water:** Attach an optional Hydrotek HC-001 or HC-003 mixing valveto the **In-Line Filter (15)**. Connect the supply lines (not supplied) to the mixing valve.
7. Turn on water and check for leaks. Plug the **Power Adapter (19)** into a 120V AC outlet (for AC Powered). Push the reset button on the PC Board. Reinstall the cover for the **Control Box (18)** and tighten screws to ensure water resistance. Place hands in front of the sensor eye to activate water flow. Remove hands and the water should stop. If not, refer to the troubleshooting guide or call the factory.
8. Periodically clean the filter element located inside the **In-Line Filter (15)**.
9. For minor adjustments, refer to the instructions located inside the cover of the **Control Box (18)**.
10. **IMPORTANT:** The stop valve should never be opened to the point where the water flow exceeds the flow capability of the fixture. The fixture must be able to accommodate the continuous water flow from the faucet in the event of a failure. Should the fixture overflow due to water exceeding the capability of the fixture and/or the drain pipe, Hydrotek will not be responsible for any damages.



Parts:

- | | |
|------------------------|-------------------------|
| 1. Flow Control Device | 11. 90 Degree Elbow |
| 2. Gooseneck Spout | 12. Supply Tube |
| 3. Spout Nut | 13. Compression Fitting |
| 4. Split Washer | 14. Solenoid Valve |
| 5. Body | 15. In-Line Filter |
| 6. LED Sensor Cover | 16. Nylon Washer |
| 7. Supply Rod | 17. Sensor Eye Cable |
| 8. O-Ring | 18. Control Box |
| 9. Washer | 19. Power Adapter |
| 10. Mounting Nut | |

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6700C Series

Sensor Operated Mixing Faucet

Troubleshooting Guide

Normal Operation: When power is connected, the faucet will immediately perform diagnostic function. You will hear a clicking sound and see lights flash. When the user's hands are placed under the spout, the light will flash once and water will start to flow. Water flow will stop when hands are removed. The red indicator light will flash when the batteries are low.

Turn the manual handle clockwise to increase temperature and counter-clockwise to decrease.

| Problem | Possible Cause | To Diagnose | Remedy |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Faucet will not turn on: | Water not turned on | Check water supply | Turn water on |
| | Power supply failure | No light, no clicking: <ul style="list-style-type: none">• Check batteries• Check power adapter | Reinstall or replace batteries/ Replace power adapter |
| | Low battery | Light continues to flash | Replace batteries |
| | Electronic PCB / Sensor is defective | No light, no clicking: <ul style="list-style-type: none">• Reinsert batteries• Reattach power adapter | Replace electronic PCB |
| | Solenoid valve is clogged | Solenoid is clicking but no water is coming out | Clean solenoid |
| | In-line filter is clogged | Open clean-out trap and check filter screen | Clean or replace filter screen |
| | Solenoid coil is defective | Insert new batteries or reattach power adapter. Light blinks but no solenoid is clicking | Replace solenoid coil |
| | Flow control is clogged | Open flow control device and check | Celan the flow control device |
| Faucet will not shut off, has low glow, or drips: | The solenoid valve is normally closed. Turn off water and activate the faucet. If there is a clicking sound, the solenoid valve is dirty. If there is no clicking sound, then check the solenoid valve. If the faucet is dripping, clean the solenoid valve. | | |

IMPORTANT: Periodic maintenance is required for smooth and trouble-free operation of this faucet.

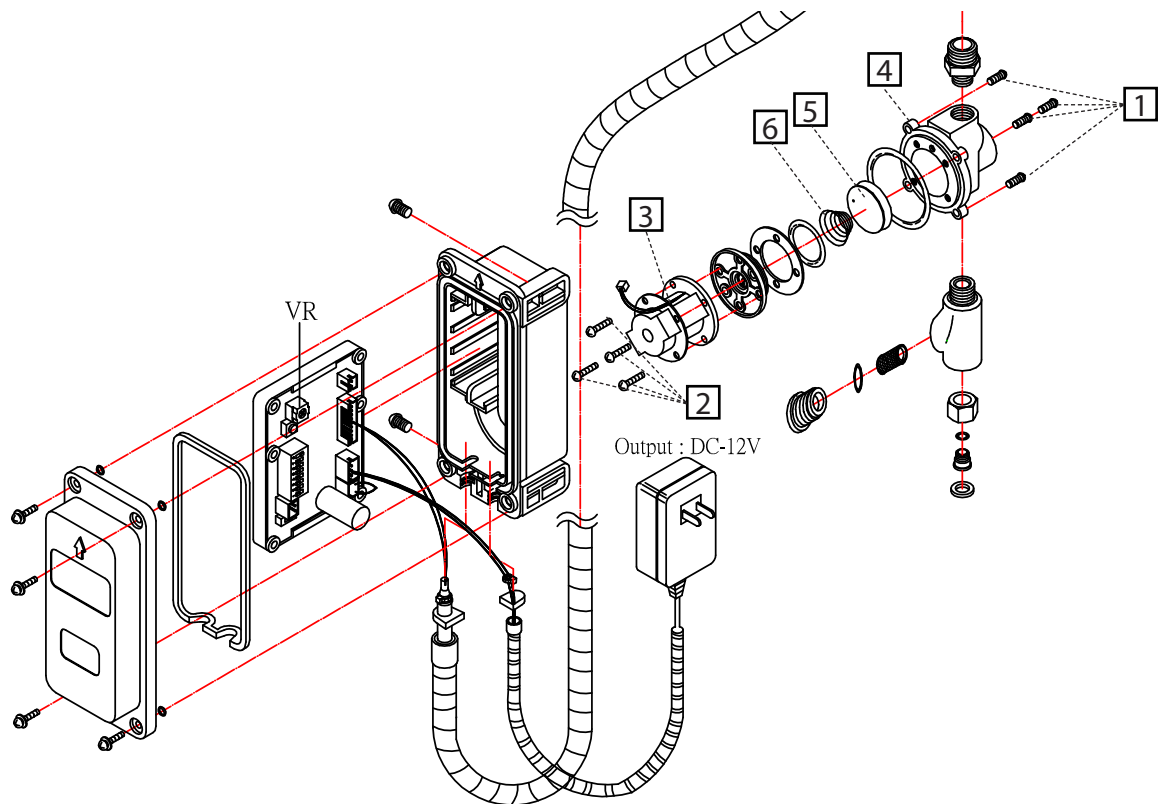
For service and inquiry about available repair kits, please call Hydrotek Technical Support at (800) 922-9883.

Care and Cleaning Instructions:

- **WARNING!** Using abrasive or chemical cleaners **will** damage the chrome or decorative finishes.
- Use only soap and water to clean the finish, then wipe dry with a clean cloth.
- If chemical cleaners are used for other parts of the lavatory, ensure that the faucet is protected from potential contact from those cleaners.

6700C Series

Sensor Operated Mixing Faucet Solenoid Valve Cleaning



1. Turn off water supply at stop valve.
2. Remove control box (if possible) to gain access to the solenoid valve.
3. Remove four Screws (#1) and separate the valve from the box.
4. Remove four Coil Screws (#2) and separate Coil (#3) from Valve Seat (#4).
5. Clean or replace Control Disc (#5), Disc Spring (#6), Piston, Piston Spring, and check the Piston Sleeve for corrosion.
6. Re-install all parts in same order as the diagram below.
7. Re-install solenoid on the control box and re-mount box in water line.

8. Check and clean Filter Screen (#24) in Filter Body (#22).
9. Reset P.C. Board and make sure solenoid clicks open and thumps closed.
10. Turn on water and check for leaks and proper operation.

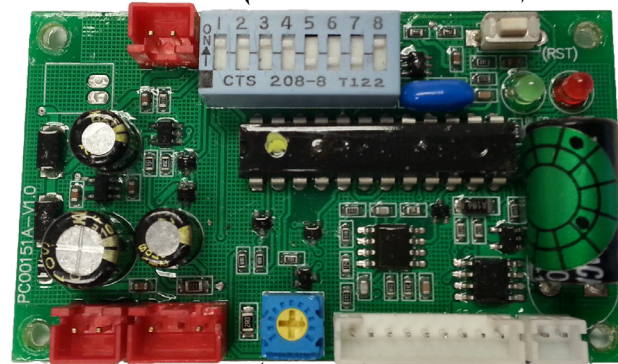
(For further questions, please call Hydrotek Tech Support at 1-800-922-9883 ext. 103)

6700C Series

Sensor Operated Mixing Faucet Control Module Settings

Settings Control Dipswitches

Reset Button



Sensor Length Adjuster

Shut Off Time Delay (After hands are removed)

| Sw1 | Sw2 | Sw3 | Delay |
|-----|-----|-----|-------|
| On | On | On | 1 Sec |
| On | On | Off | 2 Sec |
| On | Off | On | 3 Sec |
| On | Off | Off | 4 Sec |
| Off | On | On | 5 Sec |
| Off | On | Off | 6 Sec |
| Off | Off | On | 7 Sec |
| Off | Off | Off | 8 Sec |

Factory Preset

 = Switch Position

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

Sensor Distance

| Sw6 | Mode | Distance |
|-----|----------|-----------|
| On | Std | 4" - 12" |
| Off | Enhanced | 10" - 12" |

To increase distance, turn adjuster CLOCKWISE

To decrease distance, turn adjuster COUNTER-CLOCKWISE

Automatic Time Off (maximum run time after activation)

| Sw4 | Sw5 | Time Off |
|-----|-----|----------|
| On | On | OFF |
| On | Off | 15 Sec |
| Off | On | 30 Sec |
| Off | Off | 60 Sec |

Faucet Switch - DO NOT TOUCH

| Sw7 | Sw8 | Mode |
|-----|-----|-------------|
| On | Off | Auto Faucet |

IMPORTANT: Always push the Reset Button after any adjustments