AUT-DT1	**AUTOMATIC TOUCH ON/OFF**
AUT-DTM2	**AUTOMATIC METERED TOUCH**
AUT-DP3	**AUTOMATIC TOUCHFREE**
AUT-DPM4	**AUTOMATIC METERED TOUCHFREE**

Features:

- Can be used with most Watermark deck mount spouts and finishes
- No visible sensor – turns the spout itself into the sensor
- Battery operated – no need for hardwiring
- Safety timeout so water doesn't run indefinitely (DT1 and DP3 only)
- Metered option to satisfy local codes for public bathrooms
- No temperature control – water should be pre-tempered

Specifications:

1. Working water pressure: 20 PSI to 85 PSI
2. Working water temperature: 45°F to 120°F
3. Working environmental temperature: 35°F to 100°F
4. Flow Rate: 1.2 GPM lavatory, 1.75 GPM kitchen
5. IP55 water and dust protection
6. 6V CR-P2 lithium battery (included)
7. 12 second metering cycle (DTM2 and DPM4 only) provides 0.24 gallons per cycle
8. Shipping weight (lbs.): 10
9. Shipping dimension (in.): 29 x 12 x 4

Note:

- DO NOT USE PLUMBER'S PUTTY ON ANY OF THE BRASS COMPONENTS
  This will cause the finish to tarnish and void the warranty. A non-corrosive Alkoxy Silicone is recommended.
- DURING SWEATING OF LINES DO NOT OVERHEAT CASTING
  Overheating may cause damage to internal mechanism and void the manufacturer's warranty as well as increase the risk of scalding.
- COPPER ADAPTORS MAY BE REQUIRED TO COMPLETE YOUR INSTALLATION
- Not for use with metallic sinks or counters.
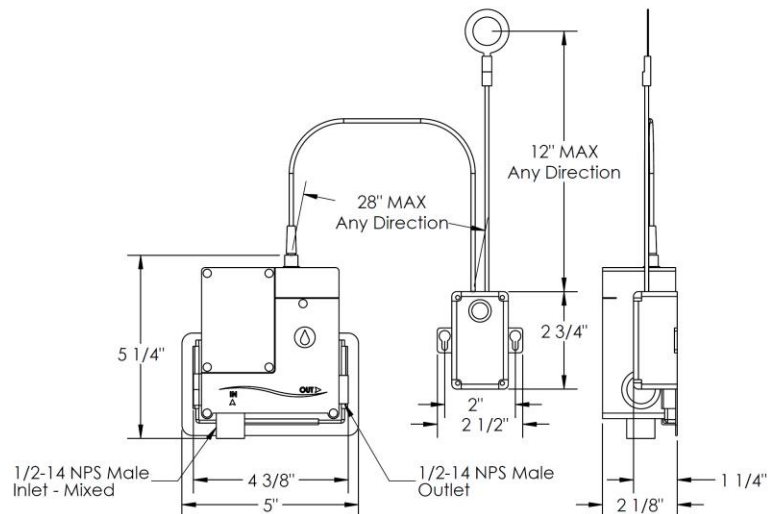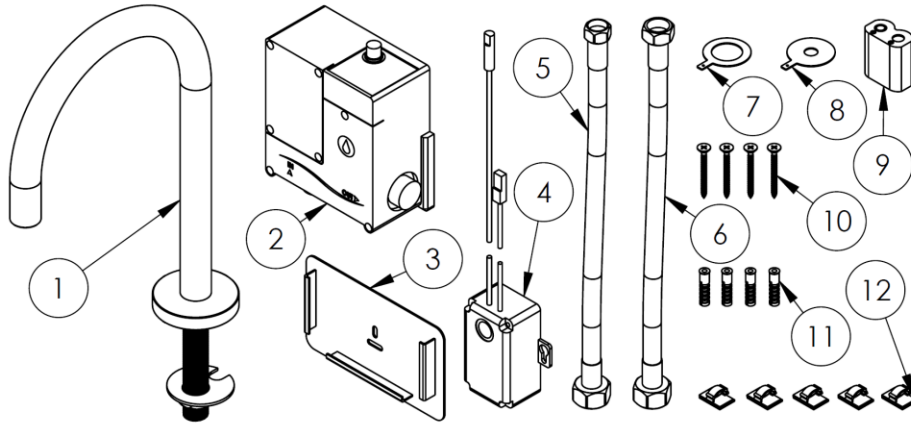
Diagram A - Dimensions

WATERMARK
MADE IN BROOKLYN, NEW YORK

Diagram B – Parts Checklist

#	Description	Qty.
1	Spout Assembly	1
2	Solenoid Valve	1
3	Solenoid Bracket	1
4	Electrical Box	1
5	Supply Hose	1
6	Spout Hose	1
7	Sensor Washer L	1
8	Sensor Washer S	1
9	Battery	1
10	Wood Screw	4
11	Drywall Anchor	4
12	Wall Clip	5

Installation

1. Flush the lines of all dirt and debris.
   Note: Failure to completely flush the lines will cause valve failure and will void the manufacturer's warranty.
2. Close water supply.
3. Assemble **Spout Assembly (1)** with **Sensor Washer (7 or 8)** onto deck as shown in Diagram C.
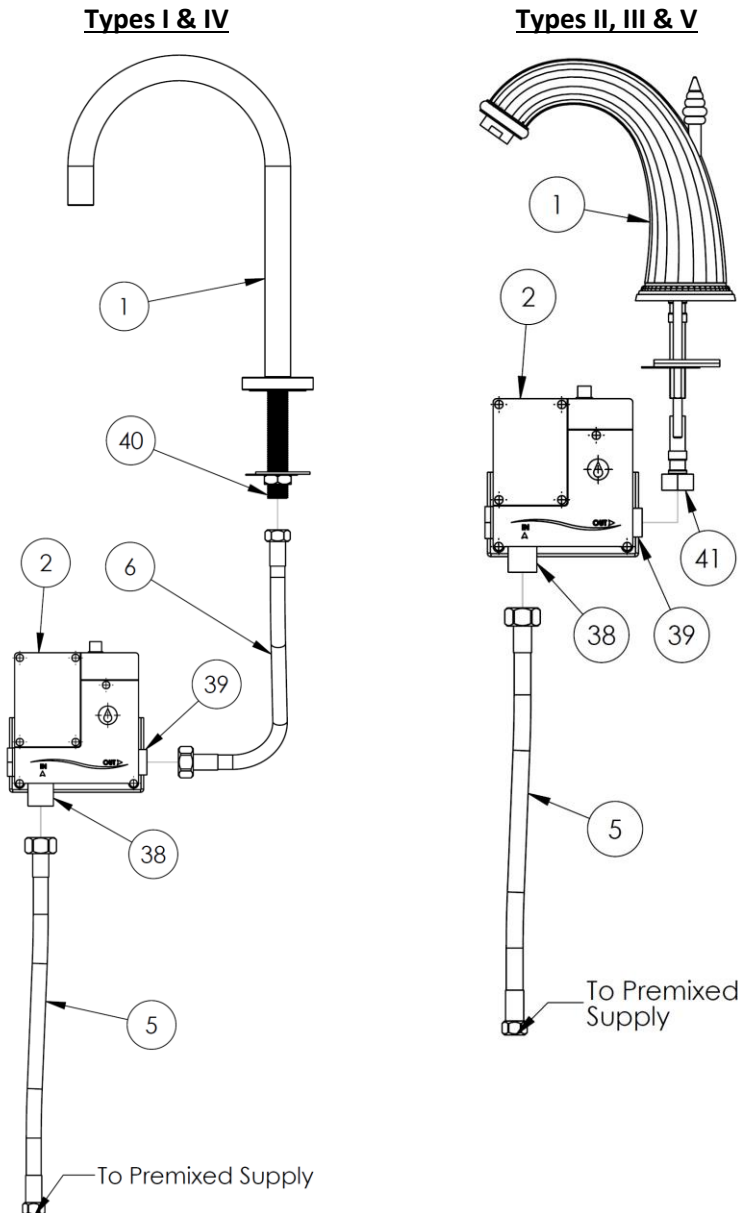
Diagram C – Spout Assemblies

Type I	Type II	Type III	Type IV	Type V
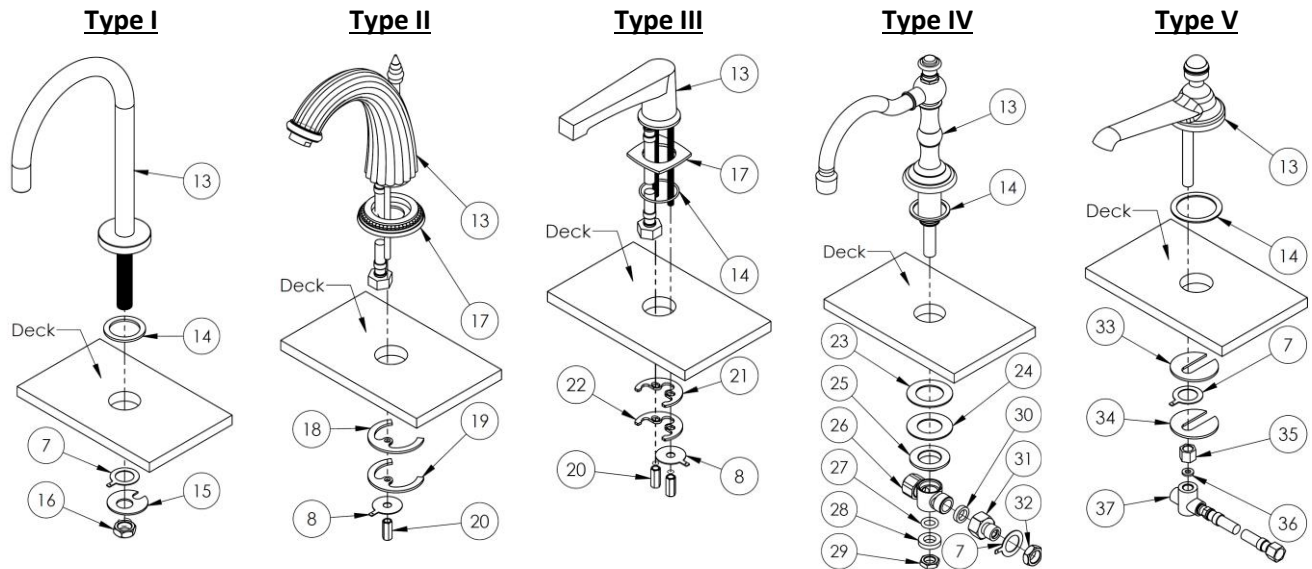
#	Description	#	Description	#	Description
7	Sensor Washer L	20	Mounting Nut	29	Lock Nut
8	Sensor Washer S	21	Mounting Rubber Washer	30	Adapter Gasket
13	Spout	22	Mounting Washer	31	Adapter
14	Deck Gasket	23	Mounting Rubber Washer	32	Lock Nut
15	Mounting Washer	24	Mounting Washer	33	Mounting Rubber Washer
16	Lock Nut	25	Mounting Nut	34	Mounting Washer
17	Base Ring	26	Tee	35	Lock Nut
18	Mounting Rubber Washer	27	Tee Gasket	36	Tee Gasket

| 19 | Mounting Washer | 28 | Tee Washer | 37 | Tee |

Note: Refer to Diagrams A, B and D for Steps 4 – 7.

4. Position **Solenoid Bracket (3)** on the wall so **Solenoid Inlet (38)** is within 12" of premixed water supply and **Solenoid Outlet (39)** is within 12" of **Spout Inlet (40 or 41)**. Secure with 2 **Wood Screws (10)**. **Drywall Anchors (11)** may be used if securing to drywall.
5. Slide **Solenoid Valve (2)** into **Solenoid Bracket (3)**. Solenoid should be oriented with inlet on bottom and outlet on right.
6. Connect **Supply Hose (5)** to the premixed water supply and to **Solenoid Inlet (38)**.
7. Connect **Spout Assembly (1)** to **Solenoid Valve (2)**:
   a. For spout Types I & IV, connect **Spout Hose (6)** to **Spout Inlet (40)** and to **Solenoid Outlet (39)**.
   b. For Spout Types II, III & V, connect **Spout Inlet (41)** to **Solenoid Outlet (39)**.

Diagram D – Solenoid Connection

Types I & IV   **Types II, III & V**

#	Description
1	Spout Assembly
2	Solenoid Valve
5	Supply Hose
6	Spout Hose
38	Solenoid Inlet
39	Solenoid Outlet
40	Spout Inlet (Types I & IV)
41	Spout Inlet (Types II, III & V)

Note: Refer to Diagrams B and E for Steps 8 – 12.

8. Position **Electrical Box (4)** on the wall so the top is within 12" of the **Sensor Washer (7 or 8)** and within 28" of the **Solenoid Wire Connector (42)** and secure with 2 **Wood Screws (10)**. **Drywall Anchors (11)** may be used if securing to drywall.
9. Connect **Sensor Wire (43)** to **Sensor Washer (7 or 8)** and **Solenoid Wire (44)** to **Solenoid Wire Connector (42)**.
   Note: Sensor Washer (7 or 8) may be bent to accommodate **Sensor Wire (43)**.
10. Route **Sensor Wire (43)** and **Solenoid Wire (44)** so they do not come in contact with each other, with the hoses or with any metal. **Wall Clips (12)** can be used to assist with wire routing.
11. Loosen 4 screws on front of **Electrical Box (4)** to remove front cover. Insert **Battery (9)** into **Electrical Box (4)** (+ to +).
12. **Red LED (45)** will light and initial calibration will begin. After about 5 seconds, **Red LED (45)** turns off indicating initial calibration is complete. Replace front cover and tighten screws.
   Note: Do not touch the faucet during initial calibration. If faucet is touched, remove battery and return to Step 11.
13. Open water supply and activate faucet so water runs through **Spout (13)**. Check all connections for leaks.
14. Activate faucet 10 times for final calibration:
   a. For DT1, touch **Spout (13)** to turn on. Remove hand and allow to run for 10 seconds. Touch again to turn off. Wait 10 seconds before next activation.
   b. For DTM2, touch **Spout (13)** to turn on. Remove hand and allow to run until it turns off automatically, about 12 seconds. Wait 10 seconds before next activation.
   c. For DP3, move hand near **Spout (13)** to turn on and leave hand near **Spout (13)** to allow to run for 10 seconds. Remove hand to turn off. Wait 10 seconds before next activation.
   d. For DPM4, move hand near **Spout (13)** to turn on. Remove hand and allow to run until it turns off automatically, about 12 seconds. Wait 10 seconds before next activation.
   Note: Sensor continuously learns environment as it is used. It may take up to a week of regular use to fully calibrate.

Diagram E – Sensor Connection
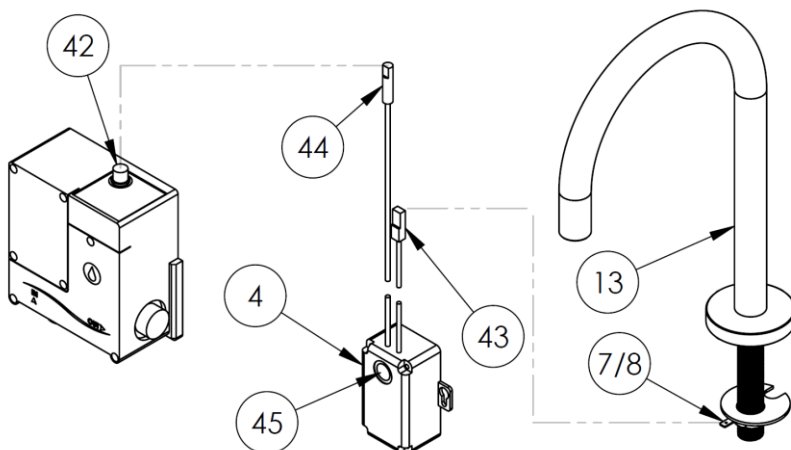
#	Description
4	Electrical Box
7/8	Sensor Washer
13	Spout
42	Solenoid Wire Connector
43	Sensor Wire
44	Solenoid Wire
45	Red LED/White Button

Cleaning

1. To clean the spout, press once on **White Button (45)** to enter cleaning mode for 30 seconds. **Red LED (45)** will begin flashing twice repeatedly.
2. During this time, spout may be cleaned without water turning on by touch or proximity.
3. When cleaning mode ends, **Red LED (45)** will stop flashing and operation will return to normal.

Troubleshooting		
Red LED Code	**Meaning**	**Remedy**
Solid Light	Calibration	Wait for light to turn off. Do not touch faucet until light turns off.
1 Flash	Battery level is low	Replace battery (type CR-P2)
2 Flashes	Cleaning mode or safety timeout is activated	Wait for light to stop flashing
3 Flashes	Bad connection	Check installation. Make sure sensor wire and solenoid wire are not touching each other or any metal. Make sure sink and counter are not metallic. Remove and replace battery, wait for Red LED to turn off and follow Step 12 above.
Malfunction	**Cause**	**Remedy**
Faucet does not turn on	Sensor stop	Check Electrical Box for flashing Red LED. Follow instructions above.
	Water supply is off	Turn water supply on.
Faucet turns on by itself	Sensitivity too high	Adjust sensitivity. Press and hold the White Button until Red LED is permanently lit, about 10 seconds. When finger is removed, Red LED will light in a series of flashes to indicate sensitivity level. 1 flash is the lowest and 5 flashes is the highest. Press the white button 1 time for each level to be changed. When desired level is reached, wait for series of flashes from Red LED to confirm level. Note: Level should be adjusted 1 step at a time and tested.
Faucet functions intermittently	Calibration not complete	Follow Step 12 above. It may take up to one week of regular use for sensor to fully learn environment.
	Sensitivity too low	Adjust sensitivity. Press and hold the White Button until Red LED is permanently lit, about 10 seconds. When finger is removed, Red LED will light in a series of flashes to indicate sensitivity level. 1 flash is the lowest and 5 flashes is the highest. Press the white button 1 time for each level to be changed. When desired level is reached, wait for series of flashes from Red LED to confirm level. Note: Level should be adjusted 1 step at a time and tested.
	Bad connection	Check installation. Make sure sensor wire and solenoid wire are not touching each other or any metal. Make sure sink and counter are not metallic. Remove and replace battery, wait for Red LED to turn off and follow Step 12 above.
Faucet does not turn off	Sensitivity too high	Adjust sensitivity. Press and hold the White Button until Red LED is permanently lit, about 10 seconds. When finger is removed, Red LED will light in a series of flashes to indicate sensitivity level. 1 flash is the lowest and 5 flashes is the highest. Press the white button 1 time for each level to be changed. When desired level is reached, wait for series of flashes from Red LED to confirm level. Note: Level should be adjusted 1 step at a time and tested.
	Bad connection	Check installation. Make sure sensor wire and solenoid wire are not touching each other or any metal. Make sure sink and counter are not metallic. Remove and replace battery, wait for Red LED to turn off and follow Step 12 above.
For technical support, please call 718-257-2800		