



User Manual

Two Sensor Faucet



Touch Free Intelligent Smart Faucet

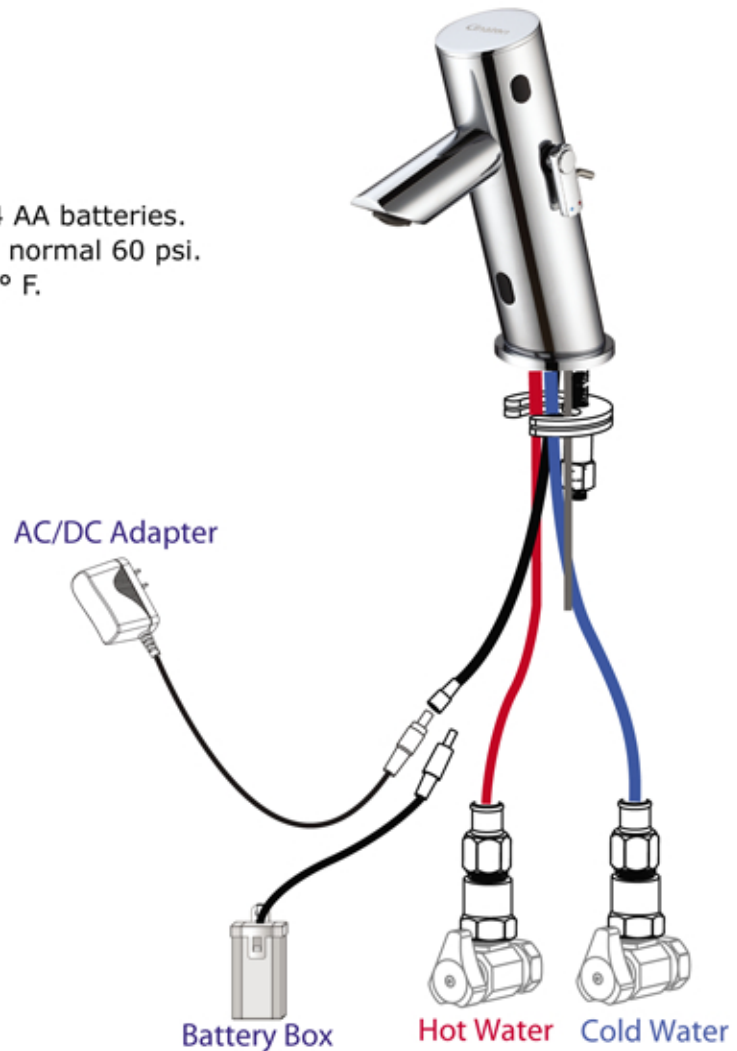
Please read the User Manual before removing parts from box
Save this User Manual for future reference



iSense® Automatic Sensor Intelligent Smart Faucet

Technical Data

1. Power supply: AC 110 - 240 volt or 4 AA batteries.
2. Water supply pressure: 20 - 100 psi, normal 60 psi.
3. Operating temperature: 37° F ~ 160° F.
4. Aerator water flow: 1.2 GPM.




Features

1. Innovative & intelligent iSense® - touch free technology provides an easy to use, convenient, and unique faucet experience.
2. Simple, Clean, Stylish Design - touch free infrared sensors reduce exposure to bacteria.
3. Maximum hot water temperature adjustment for residential/commercial bathroom and medical office.
4. Two touch free sensors for intermittent and continuous water flow.
5. Intermittent water flow and automatic shut-off functions save up to 70% water usage.
6. Center Easy Sensor pause (disable) function for working in sink area.
7. Complies with Americans Disabilities Act (ADA) specifications.
8. Single hole mount for less counter clutter and easy installation.
9. Solid brass construction for durability.
10. 110 - 240 AC/DC 6 volt adapter included.
11. Four (4) AA batteries included.
12. Temperature adjustment lever can be removed and capped for public lavatory.

iSense® Automatic Touch Free Smart Faucet

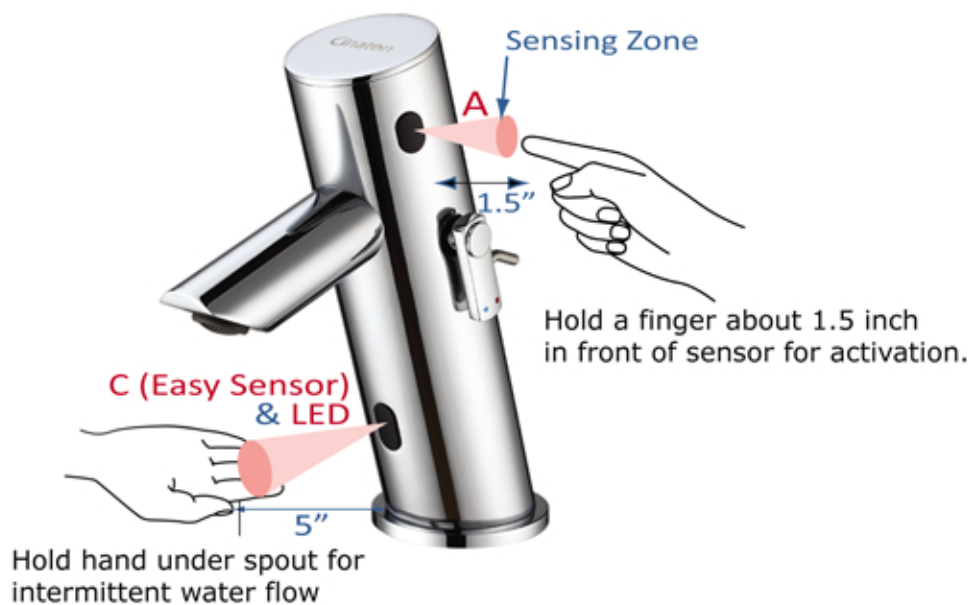


1. Sense C for intermittent flow.
2. Sense A to start and stop continuous flow and to activate and deactivate Sensor C.

 Infrared Sensor activation zone

Operation Procedure

Sensor Zone & Distance



How to start intermittent water flow using Sensor C

Hold hand under spout in front of Sensor C to start intermittent water flow. Remove hand away from Sensor C to stop water flow.



How to start/stop continuous water flow using Sensor A

Hold finger or hand in front of Sensor A to start continuous water flow. Hold finger or hand in front of Sensor A again to stop water flow.



Water flow will stop after 2 minutes if no activity on any sensor.

Pause Sensor C

How to pause (disable) Sensor C

Hold finger in front of Sensor A for four (4) seconds to pause (disable) Sensor C.

LED - Flashes green and red once.



Sensor C is paused (disabled) to allow user working in sink area.



How to reset (enable) Sensor C

Hold finger in front of Sensor A for four (4) seconds to reset (enable) Sensor C.

LED - Flashes green twice.



Interference of Sunlight

How IR sensor works?

IR sensors use infrared (IR) light to sense nearby objects. A pulse of infrared light is emitted and spreads out in a cone shape for a short distance. If an object is within the cone's area, then IR light will be reflected and received by IR detector activating the sensor function.



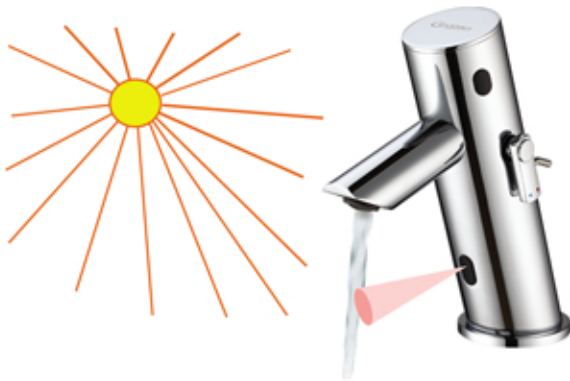
Keep sensors' surrounding area clear

Some objects such as mirrors or bottles with smooth or shiny surfaces can reflect the infrared light from farther away and cause false activation.



Sunlight interference

Sunlight or flames also present a problem as they emit a lot of IR light and thus interfere with IR sensor providing false readings.



How to stop false activation

The longer sensing distance of Sensor C is most likely to be activated by direct sunlight in sink area especially in morning sun or sunset light. You can pause (disable) Sensor C by sensing Sensor A when water is off.

LED flashes green and red

Should water flow be activated by sun light on Sensor C, water flow can be stopped by holding your hand in front of Sensor A for 5 seconds to stop water flow and pause (disable) Sensor C.



Clean water droplet on Sensor C surface to stop water flow if necessary.

Maintenance

1. Cleaning the faucet

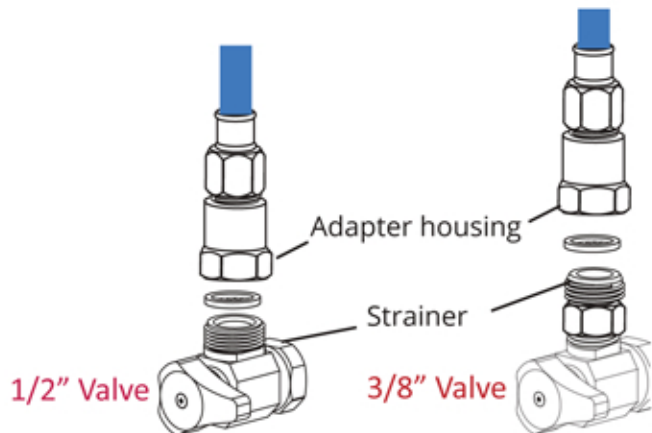
The completely touch free faucet requires very little maintenance. Wipe surfaces clean with a soft, damp sponge or cloth. Never use cleaning chemicals or abrasive materials such as a brush, abrasive sponge or scouring pad to clean faucet surfaces and sensors.

2. Cleaning water supply strainers

Water flow may decrease in volume over time as a result of debris trapped by the water supply strainers.

To clean the strainers (located in water supply adapter):

- Shut off cold and hot water supply valves.
- Disconnect the 3/8" x 1/2" adapter housings.
- Flush the strainers with water until clear of debris.
- Reinstall strainers and connect adapter housings.
- Turn on cold and hot shut off valves and check for any leakage.



3. Low battery voltage alert

The visible LED will flash yellow when the voltage of the 4 AA battery is low. Replace the 4 AA batteries.

Faucet Troubleshooting Table

Problem	Probable Causes	Recommended Action
1. No water flow	A. The cold and/or hot water supply shut off valves are closed.	A. Confirm the water supply shut off valves are open.
	B. The cold and/or hot supply hose is kinked.	B. Confirm the supply hoses are not kinked. If coiled, maintain an inside diameter of 3" (76 mm).
	C. Continuous water flow not functioning.	C. Refer to the "Sensor Troubleshooting Table".
	D. Intermittent water flow not functioning.	D. Refer to the "Sensor Troubleshooting Table".
	E. One or both of water supply strainers are clogged.	E. Refer to the "Maintenance" section to clean strainers.
	F. AC/DC adapter power supply is not connected.	F. Confirm the AC/DC adapter is powered (the adapter green light is lit) and connected to spout.
	G. Low 4 AA battery voltage.	G. Replace 4 AA batteries.
2. Low water flow	A. The cold and/or hot water supply shut off valves are partially closed.	A. Confirm the cold and/or hot water supply shut off valves are fully open.
	B. The cold and/or hot supply hose is kinked or twisted.	B. Confirm the supply hoses are not kinked. If coiled, maintain an inside diameter of 3" (76 mm).
	C. One or both of the water supply strainers are clogged.	C. Refer to the "Maintenance" section to clean strainers.
	D. Low 4AA battery voltage.	D. Replace 4 AA batteries.
3. Low water temperature	A. The hot water supply shut off valve is closed or partially closed.	A. Confirm the hot water supply shut off valve is fully open.
	B. The hot supply hose is kinked or twisted.	B. Confirm the hot water supply hose is not kinked. If coiled, maintain an inside diameter of 3" (76 mm).
	C. The hot water supply strainer is clogged.	C. Refer to the "Cleaning water supply strainer" section.
4. Poor spray pattern	A. The aerator is clogged.	A. Clean or replace aerator.

Sensor Troubleshooting Table

Problem	Probable Causes	Recommended Action
1. Sensors malfunctioning	A. Debris on the sensor lens.	A. Use mild soap and water to gently clean sensor lens.
	B. Sensor is detecting object.	B. Rotate the spout away from the object or remove the object from the sensor zone.
	C. Sensor affected by interference of sunlight or other light source.	C. Refer to the "Interference of sunlight" section to disable (pause) the Easy Sensor C.
2. Sensors are not working, LED not lit	A. AC/DC adapter power supply is not connected.	A. Confirm the AC/DC adapter is powered (the adapter green light is lit) and connected to spout.
	B. 4 AA battery power cable is not connected.	B. Confirm the 4 AA battery power cable is connected.
	C. Low 4 AA battery voltage.	C. Replace 4 AA batteries.

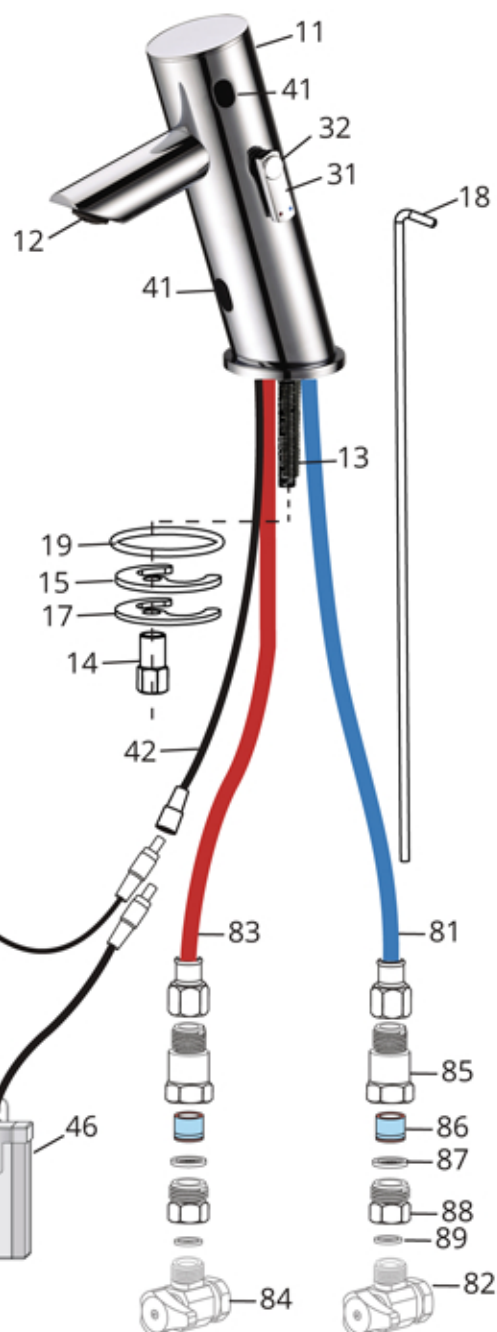
11. faucet spout CP (730021), BN (730022)
12. (721114) aerator - 1.2 GPM
13. (722003) mounting rod 1/4" Ø
14. (722004) mounting nut 1/4" Ø
15. (722005) rubber washer 1/4" Ø hole
17. (722007) mounting bracket 1/4" Ø hole
18. (722042) pull bar
19. (722201) spout seal rubber O-Ring
31. water temperature adjustment lever (722051)
32. water temperature adjustment lever cap (722052)
41. sensor (A:755021) (C: 755022)
42. power supply cable (755041) and connector
44. (750001) 110-240V AC/DC adapter
46. (750102) 4 AA battery box
76. (722035) battery box mounting L-shape screw

81. (720002) 24" cold water supply hose 3/8"
82. cold water supply shut off valve (not included)
83. (720001) 24" hot water supply hose 3/8"
84. hot water supply shut off valve (not included)
85. (721301) 3/8" x 1/2" check valve adapter housing
86. (721201) check valve
87. (721202) strainer
88. (721302) 1/2" x 3/8" adapter for 3/8" shut off valve
89. (721203) water supply washer 3/8"

Tool



Adjustable Wrench



Installation Manual

IMPORTANT INSTRUCTIONS

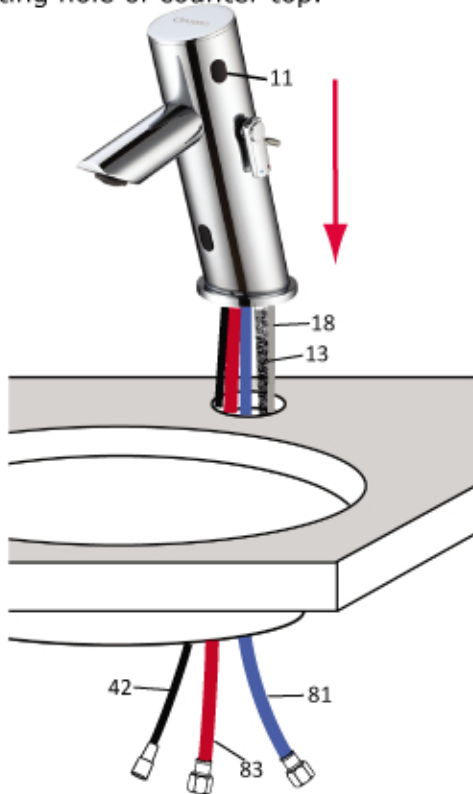
NOTICE: The faucet system uses a 6 volt DC power and a 110-240 volt AC adapter.



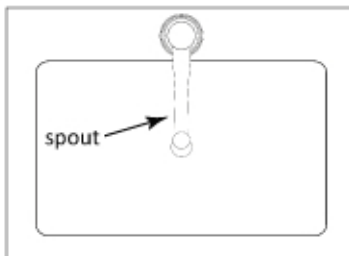
WARNING: Please follow all plumbing, electrical, and building codes. When using electrical products, basic precautions should always be followed, including the following:

1. Risk of electric shock - Connect only to an unswitched circuit protected by a Ground-Fault Circuit-Interrupter (GFCI).
2. Disconnect power before servicing.
3. Please read all instructions thoroughly before beginning installation to avoid risk of injury or property damage.
4. Rinse cleaning rags and sponges with fresh water.

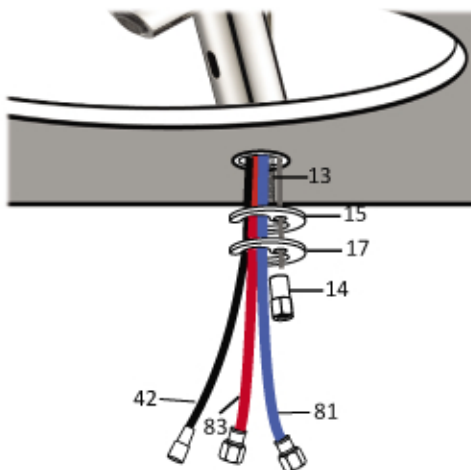
- 1.** Insert the DC power supply cable (42), cold water supply hose (81), hot water supply hose (83), and faucet mounting rod (13) through the mounting hole of counter top.



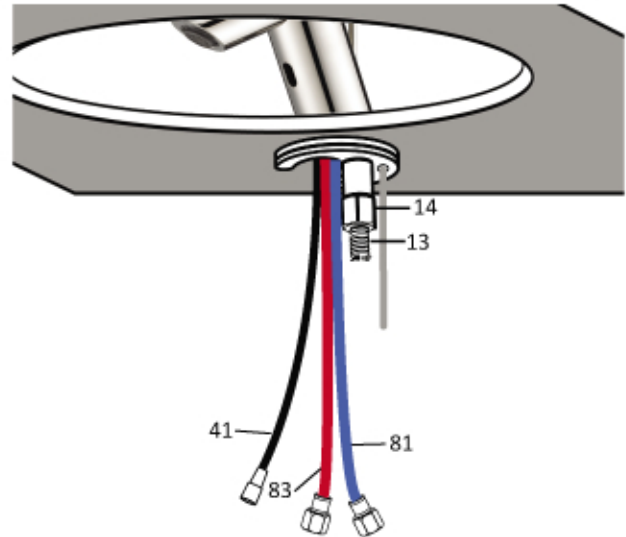
- 2.** Set faucet spout at the center of sink.



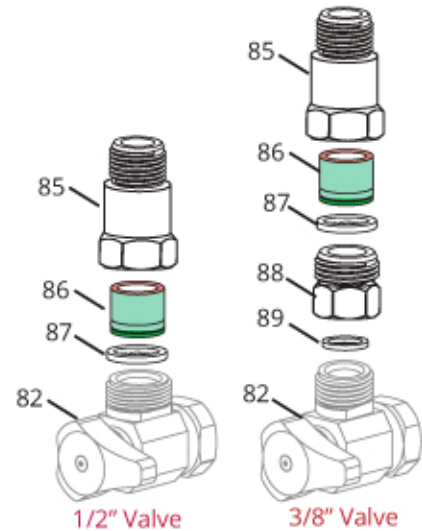
- 3.** Install the rubber washer (15) and mounting bracket (17) onto the mounting rod (13) of faucet spout from the bottom of counter top.



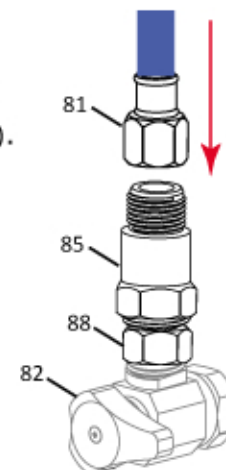
- 4.** Tighten mounting nut (14) onto mounting rod (13) with wrench.



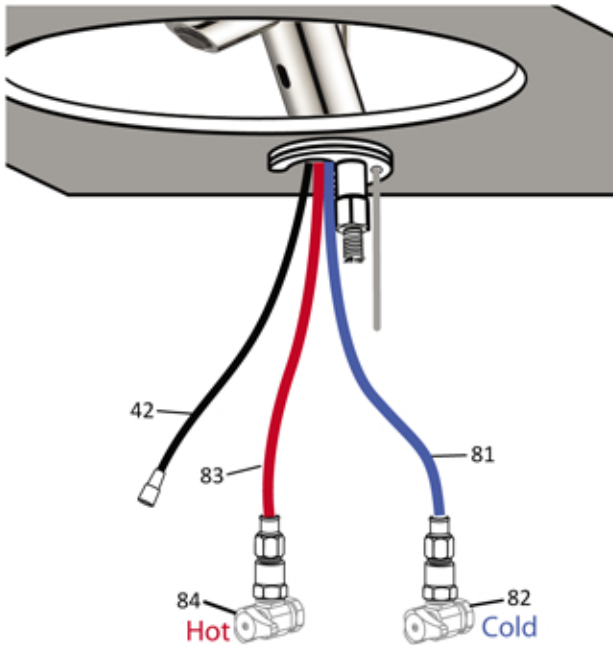
- 5.** Connect the 3/8" x 1/2" adapter with check valve housing (85) which includes a check valve (86) (pre-installed in adapter) and a strainer (87) on a 1/2" water supply shut off valve (82). If the shut off valve connecting thread is 3/8", install 1/2" x 3/8" adapter (88) with 3/8" washer (89).



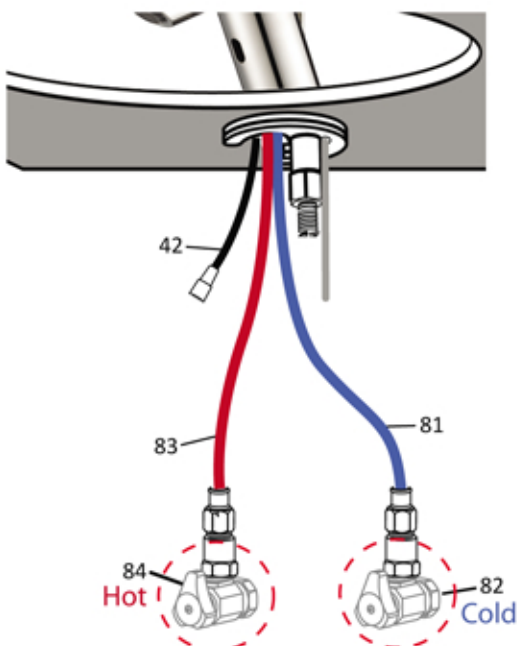
- 6.** Connect the 3/8" water inlet supply hose (81) to 3/8" x 1/2" adapter with check valve housing (85).



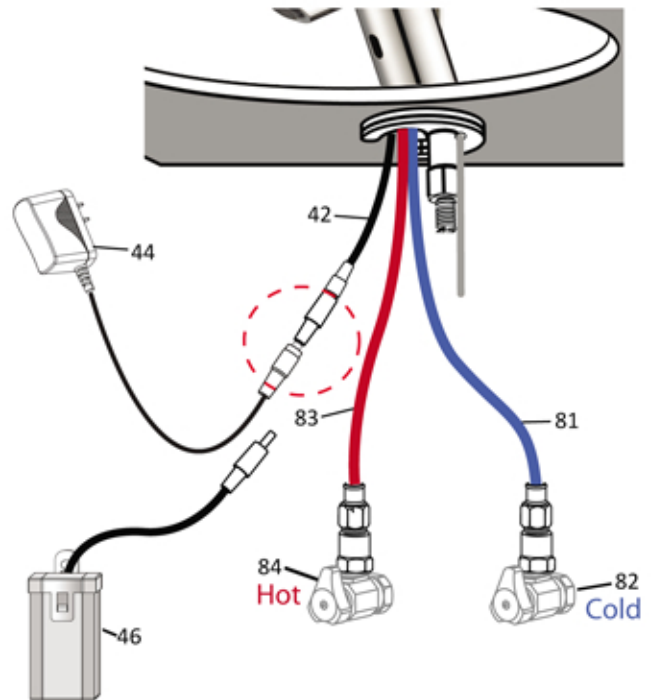
- 7** Using the same procedure, connect the 3/8" hot water supply hose (83) to hot water supply valve (84).



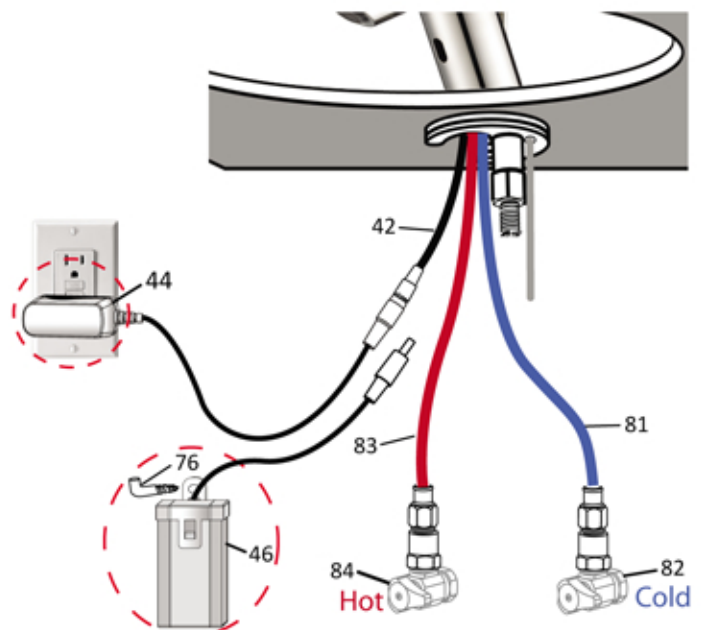
- 8** Turn on cold and hot water supply valves. Check for any leakage.



- 9** Connect 110-240 volt AC adapter cable (44) or 4 AA battery power cable to power supply cable (42).



- 10** Plug in 110-240 volt AC/DC adapter(44) or install 4 AA batteries in battery box (46) and hang the box on wall with L-shape screw (76). Installation complete.



Cinaton iSense® Touch Free Intelligent Smart Faucet
LIFETIME LIMITED WARRANTY
(For product(s) sold, delivered and installed in U.S.A & Canada only)

FOR HOMEOWNERS AND RESIDENTIAL USE

Cinaton, Inc. (hereinafter "Cinaton") warrants the Covered Product(s) on faucet spout and finishes to be free of all defects in material and workmanship for a lifetime limited warranty excepts five (5) years limited warranty from the date of original purchase on electronic parts including sensors, digital controller, adapter, battery box.

FOR COMMERCIAL USE

Two (2) years of limited warranty from the date of original purchase on faucet spout, finishes, and electronic parts (includes sensors, digital controller, adapter, battery box) of all defects in material and workmanship. This warranty extends to the original buyer and each successive buyer within the warranty period. Within the period of this warranty, Cinaton will repair or replace, free of charge, any parts proving defective in material or workmanship. This warranty is limited to repair or replacement with identical or similar parts only.

WARRANTY EXCLUSIONS

This warranty does not apply to any costs, repairs, or services for the following:

- Service calls to correct the installation of the Covered Product(s), or to explain the usage of the product(s) to the buyer.
- Repairs necessitated by use other than normal use.
- Damage resulting from misuse, abuse, accidents, alterations, or improper installation.
- Corrective work necessitated by repairs made by anyone other than a Cinaton's authorized service technician.

HOW TO OBTAIN WARRANTY SERVICE

To obtain Warranty Service, the buyer must produce proof of purchase (original sales receipt) and notify Cinaton of any defect, malfunction, or nonconformity promptly upon discovery by calling the toll-free number (855)-348-8080 or by writing to Cinaton with full description of the problem. Upon receipt of such notice and verification of proof of purchase of the Covered Product(s), Cinaton will send out to buyer the Warranty Service Instruction and Authorization for Return of the Covered Product(s). Cinaton will do one of the following after receipt of the returned product(s):

- Service or repair the Covered Product(s) to conform to the applicable warranty.
 - Replace the Covered Product(s) with goods that are identical or reasonably equivalent to the warranted goods.
- The buyer should carefully pack the Covered Product(s), preferably in the original packing materials, and deliver it, together with a copy of the original purchase receipt and a description of the problem, to Cinaton. If the buyer sends the product(s) by U.S. mail, we recommend that the buyer insures it and send it with return receipt requested. We accept no liability for product(s) lost or misplaced in shipment.

LIMITATION OF DAMAGES

In no event shall Cinaton be liable for consequential damages for breach of this warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to the buyer.

REGISTRATION

We recommend that the buyer register the product online at www.cinaton.com/c/register.php. This will facilitate any warranty repairs or service, if needed.

This warranty effective on May 1, 2016

Cinaton

14014 Gannet Street, Santa Fe Springs, CA 90670

Tel: (562) 921-8009 Fax: (562) 921-0688

www.cinaton.com info@cinaton.com



© 2016 Cinaton Inc.

No part of this publication may be reproduced or used in any form, or by any electrical or mechanical means, without permission in writing from Cinaton. This includes electronic or mechanical means, such as photocopying, recording, or information storage and retrieval systems. The material in this manual is subject to change without notice.