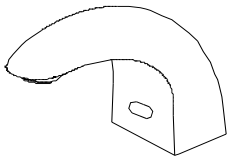


Troubleshooting Guide

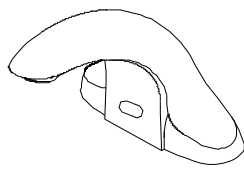
AEF-300/300T SERIES

SENSOR FAUCET SYSTEMS

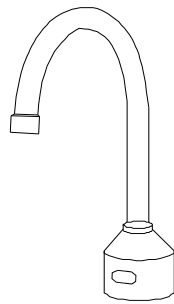
HYBRIDFLO[®] FIXEDFLO[®] HEALTHFLO[®]



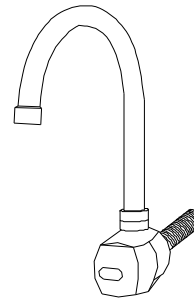
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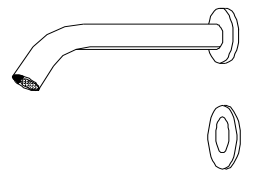
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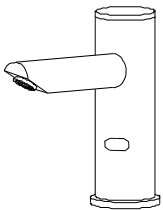
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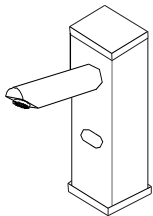
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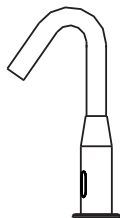
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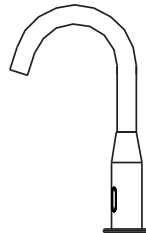
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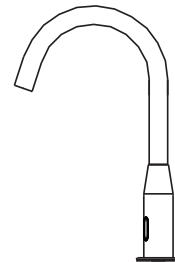
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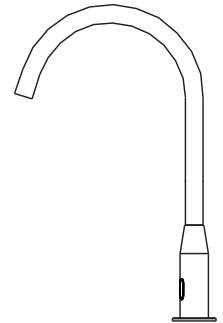
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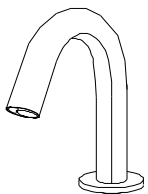
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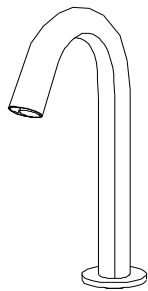
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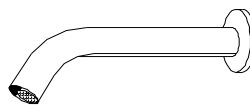
AEF-323



AEF-300T



AEF-302T



AEF-304T



AEF-305T



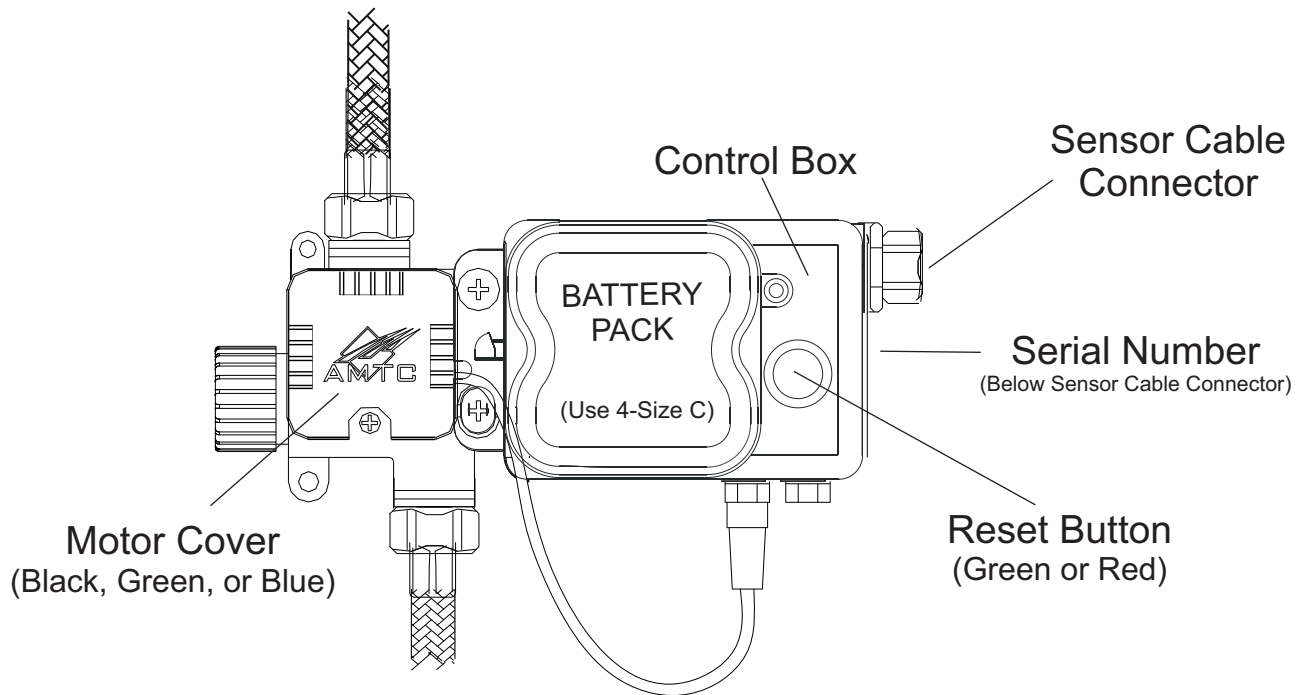
Advanced Modern Technologies Corporation

19800 Nordhoff Place, Chatsworth, CA 91311

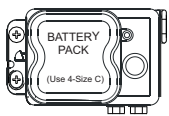
Tel: (818) 883-2682 Toll Free: (800) 874-7822 Fax: (818) 883-2620

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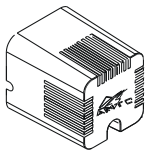
Identify Your Faucet System



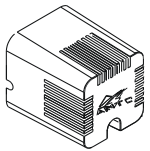
Identify Your Operating System



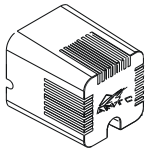
- Green Reset Button = 300 Series
- Red Reset Button = 300T Series



- Black Motor Cover = HYBRIDFLO®

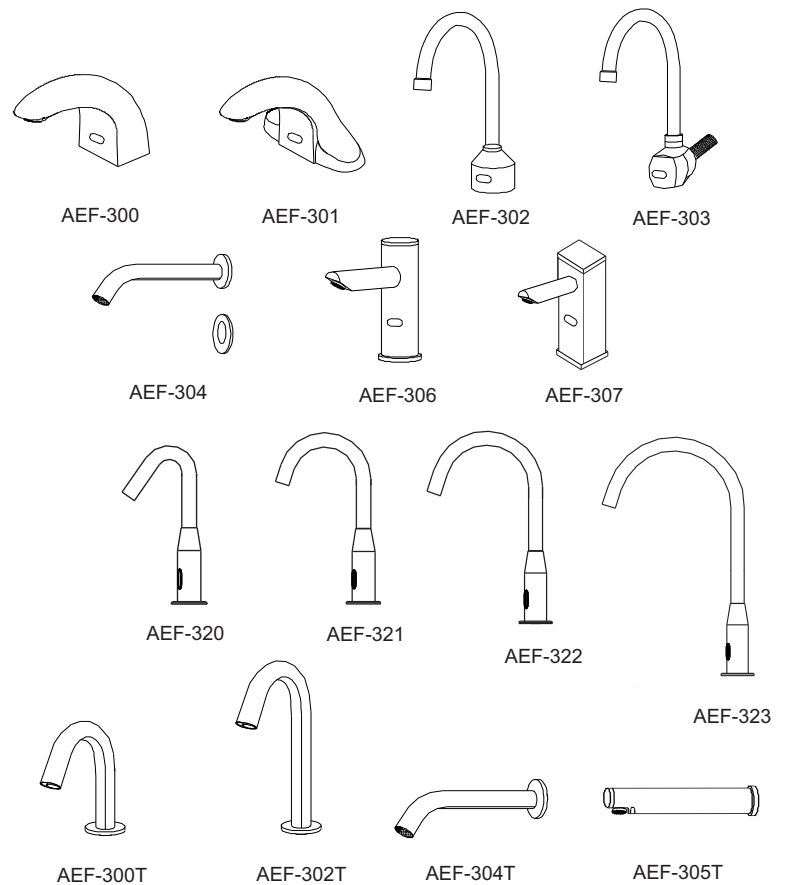


- Green Motor Cover = FIXEDFLO®



- Blue Motor Cover = HEALTHFLO®

Identify Your Faucet Model



Troubleshooting for 300 Series

Problem	Solution
Faucet does not activate	<ol style="list-style-type: none"> 1. Water stop valves may be turned OFF. Make sure the stop valves are ON. 2. Check if red LED blinks on sensor window. If no light is present: <ol style="list-style-type: none"> A. Check or replace batteries (and/or alternate power source, if available). B. Make sure sensor cable is properly plugged into control box. 3. Check that motor plug is properly plugged into control box. 4. Inspect sensor window. If dirty, wipe down with soft cloth. If broken, replace. 5. Check motor mechanism by: <ol style="list-style-type: none"> A. Remove motor cover. B. Manually turn gears (clockwise). If gears do not turn, replace motor drive assembly.
Motor activates but no water comes out of the faucet	<ol style="list-style-type: none"> 1. Water stop valves may be turned OFF. Make sure the stop valves are ON. 2. Check water filter by: <ol style="list-style-type: none"> A. Shut off stop valves and make sure water is completely OFF. B. Remove water filter and clean if necessary. C. Re-install water filter. 3. Check nozzle/aerator. If dirty, clean or replace. 4. Reset faucet by: <ol style="list-style-type: none"> A. Pressing green button on the control box and keep it pressed in until you see a solid red light come on in sensor window (about 5 seconds). B. Let go of the button and place the palm of your hand at desired sensor reading distance. C. Hold hand in place (about 15 seconds) until water turns ON and then OFF by itself once.
Water does not shut off	<ol style="list-style-type: none"> 1. Test motor by: <ol style="list-style-type: none"> A. Remove motor cover. B. Manually turn gears (clockwise). If gears do not turn or if they turn non-stop, replace motor drive assembly. 2. Check flow pin assembly by: <ol style="list-style-type: none"> A. Shut off stop valves and make sure water is completely OFF. B. Remove motor cover. C. Remove motor assembly. D. Remove and inspect flow pin assembly. Clean or replace components. E. Re-install all components and turn water stop valves back ON. 3. Test sensor range by: <ol style="list-style-type: none"> A. Pressing green button on the control box and keep it pressed in until you see a solid red light come on in sensor window (about 5 seconds). B. Let go of the button and place the palm of your hand at desired sensor reading distance. C. Hold hand in place (about 15 seconds) until water turns ON and then OFF by itself once. 4. Check batteries (and/or alternate power source, if available).
Solid red LED light in sensor window stays ON	<ol style="list-style-type: none"> 1. Check batteries are installed in the right direction and not fully drained (also check alternate power source, if available). Solid red light may be a “low power indicator”. 2. Control box may be damaged. If so, replace control box. 3. Sensor may be damaged. If so, replace sensor cable.
Spout drips	<ol style="list-style-type: none"> 1. Remove nozzle/aerator and turn water ON and OFF by activating sensor 5 to 6 times. If dripping continues, follow instructions in “Irregular/low flow” below.
Irregular/low flow	<ol style="list-style-type: none"> 1. Check stop valve. If not fully open, open fully. 2. Inspect nozzle/aerator. If dirty, clean or replace. 3. Check water filter by: <ol style="list-style-type: none"> A. Shut off stop valves and make sure water is completely OFF. B. Remove water filter and clean if necessary. C. Re-install water filter. 4. Check flow pin assembly by: <ol style="list-style-type: none"> A. Shut off stop valves and make sure water is completely OFF. B. Remove motor cover. C. Remove motor assembly. D. Remove and inspect flow pin assembly. Clean or replace components. E. Re-install all components and turn water stop valves back ON.
Water temperature is too high	<ol style="list-style-type: none"> 1. Make sure stop valves are fully open. 2. Calibrate temperature adjustment in mixing valve to lower output temperature.
Water temperature is too low	<ol style="list-style-type: none"> 1. Make sure stop valves are fully open. 2. Calibrate temperature adjustment in mixing valve to increase output temperature.

For Additional Assistance Contact Technical Support at 800-874-7822 or Visit our Website at www.AMTcorporation.com

Troubleshooting for 300T Series

Problem	Solution
Faucet does not activate	<ol style="list-style-type: none"> 1. Water stop valves may be turned OFF. Make sure the stop valves are ON. 2. Check if red LED blinks on sensor window. If no light is present: <ol style="list-style-type: none"> A. Check or replace batteries (and/or alternate power source, if available). B. Make sure sensor cable is properly plugged into control box. 3. Check that motor plug is properly plugged into control box. 4. Inspect sensor window. If dirty, wipe down with soft cloth. If broken, replace. 5. Check motor mechanism by: <ol style="list-style-type: none"> A. Remove motor cover. B. Manually turn gears (clockwise). If gears do not turn, replace motor drive assembly.
Motor activates but no water comes out of the faucet	<ol style="list-style-type: none"> 1. Water stop valves may be turned OFF. Make sure the stop valves are ON. 2. Check water filter by: <ol style="list-style-type: none"> A. Shut off stop valves and make sure water is completely OFF. B. Remove water filter and clean if necessary. C. Re-install water filter. 3. Check nozzle/aerator. If dirty, clean or replace. 4. Reset faucet by: <ol style="list-style-type: none"> A. Pressing red button on the control box and keep it pressed in until water stops flowing (about 5 seconds). B. Let go of the button. Sensor will self-adjust (about 15 seconds). Water will turn ON and Off once by itself when the sensor adjustment process is completed.
Water does not shut off	<ol style="list-style-type: none"> 1. Test motor by: <ol style="list-style-type: none"> A. Remove motor cover. B. Manually turn gears (clockwise). If gears do not turn or if they turn non-stop, replace motor drive assembly. 2. Check flow pin assembly by: <ol style="list-style-type: none"> A. Shut off stop valves and make sure water is completely OFF. B. Remove motor cover. C. Remove motor assembly. D. Remove and inspect flow pin assembly. Clean or replace components. E. Re-install all components and turn water stop valves back ON. 3. Test sensor range by: <ol style="list-style-type: none"> A. Pressing red button on the control box and keep it pressed in until water stops flowing (about 5 seconds). B. Let go of the button. Sensor will self-adjust (15-20 seconds). Water will turn ON and Off once by itself when the sensor adjustment process is completed. 4. Check batteries (and/or alternate power source, if available).
Solid red LED light in sensor window stays ON	<ol style="list-style-type: none"> 1. Check batteries are installed in the right direction and not fully drained (also check alternate power source, if available). Solid red light may be a "low power indicator". 2. Control box may be damaged. If so, replace control box. 3. Sensor may be damaged. If so, replace sensor cable.
Spout drips	<ol style="list-style-type: none"> 1. Remove nozzle/aerator and turn water ON and OFF by activating sensor 5 to 6 times. If dripping continues, follow instructions in "Irregular/low flow" below.
Irregular/low flow	<ol style="list-style-type: none"> 1. Check stop valve. If not fully open, open fully. 2. Inspect nozzle/aerator. If dirty, clean or replace. 3. Check water filter by: <ol style="list-style-type: none"> A. Shut off stop valves and make sure water is completely OFF. B. Remove water filter and clean if necessary. C. Re-install water filter. 4. Check flow pin assembly by: <ol style="list-style-type: none"> A. Shut off stop valves and make sure water is completely OFF. B. Remove motor cover. C. Remove motor assembly. D. Remove and inspect flow pin assembly. Clean or replace components. E. Re-install all components and turn water stop valves back ON.
Water temperature is too high	<ol style="list-style-type: none"> 1. Make sure stop valves are fully open. 2. Calibrate temperature adjustment in mixing valve to lower output temperature.
Water temperature is too low	<ol style="list-style-type: none"> 1. Make sure stop valves are fully open. 2. Calibrate temperature adjustment in mixing valve to increase output temperature.

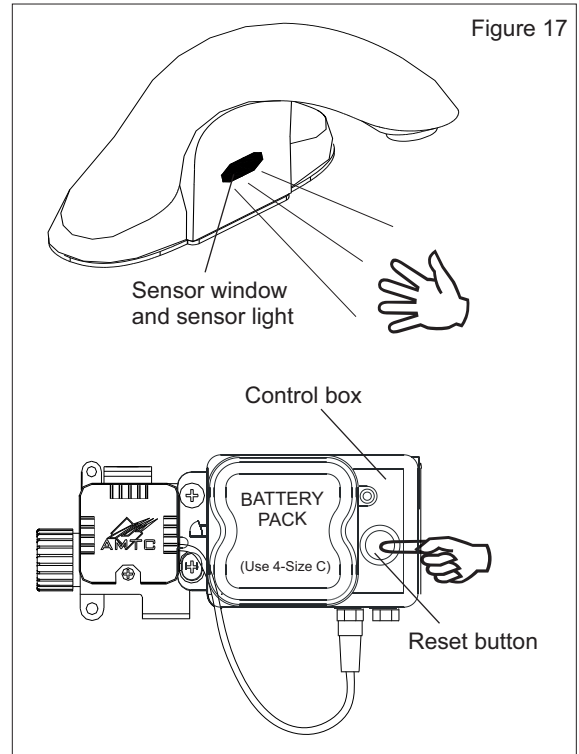
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Sensor Distance Adjustment

This section is for 300 Series spouts only.

(Models AEF-300, AEF-301, AEF-302, AEF-303, AEF-304, AEF-306, AEF-307, AEF-320, AEF-321, AEF-322, AEF-323)

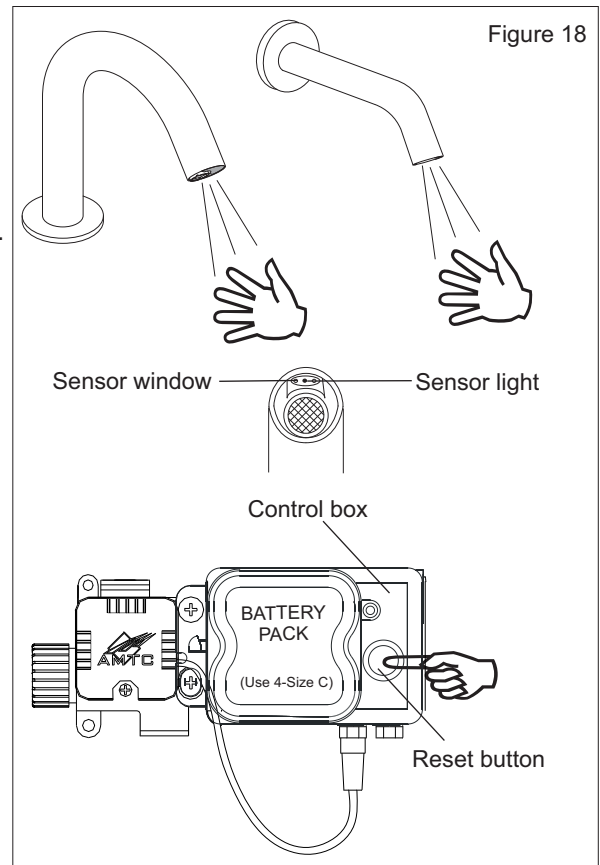
1. Push and hold reset button on control box (pictured in Figure 17). Water will turn ON for approximately 5 seconds and then OFF. Release reset button. The sensor is now in setup mode.
2. Position the palm of your hand vertically and hold it at desired sensing distance. You will see a quick flashing red light in sensor window.
3. Hold your hand at the desired sensor distance for approximately 15 seconds while red light is flashing until solid red light comes on. Faucet will turn ON and then OFF by itself once when sensor range is set.



This section is for **300T Series** spouts only.

(Models AEF-300T, AEF-302T, AEF-304T, AEF-305T)

1. Locate the reset button on the control box as pictured in Figure 18.
2. Push and hold reset button on control box (pictured in Figure 18). Water will turn ON for approx. 5-6 seconds then turn OFF. Release reset button. Sensor will now self-adjust (process takes 15-20 seconds). Water will turn ON and OFF by itself one time after the sensor has self-adjusted.



Warranty

AMTC WARRANTS ITS PRODUCTS TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF FIVE (5) YEARS FROM DATE OF PURCHASE, WHEN PROPERLY INSTALLED AND UNDER NORMAL USE AND SERVICE. THESE PROVISIONS DO NOT INCLUDE THE BATTERIES SHIPPED WITH THE PRODUCTS. A DEFECTIVE PRODUCT MAY BE RETURNED TO AMTC OR ITS AUTHORIZED REPRESENTATIVES WITHIN FIVE (5) YEARS FROM DATE OF PURCHASE WITH THE PROPER INVOICE OF PURCHASE. AMTC, AT ITS DISCRETION, WILL REPLACE OR REPAIR DEFECTIVE PRODUCT AT NO CHARGE. CLAIMS FOR LABOR, TRANSPORTATION, AND ANY OTHER INCIDENTAL COSTS WILL NOT BE ALLOWED. AMTC WILL NOT BE RESPONSIBLE FOR ANY CONSIDERABLE DAMAGES OF ANY KIND WHATSOEVER.

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MAKE SURE TO VISIT OUR WEBSITE PERIODICALLY FOR INFORMATION ON NEW PRODUCTS AND TO DOWNLOAD ANY IMPORTANT PRODUCT DOCUMENTS THAT YOU MAY NEED IN THE FUTURE.



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