LK723

Thermostatic Mixing Valve

Instructions

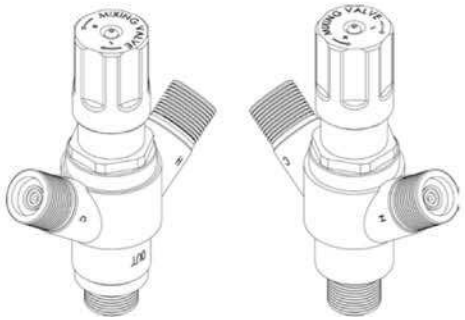
WARNING

It is recommended that only licensed plumbers with knowledge of installing plumbing products install this product. Failure to do so may cause product malfunction and needless additional cost.

Prior to installing the thermostatic valve, it is CRITICAL that the supply lines be completely and properly flushed of all dirt and debris. Failure to do so will cause the valve to fail and it will void the manufacturer's warranty.

Features:

- Compliant with ASSE 1016 standards
- Compliant with ASSE 1070 standards
  (Temperature is adjustable, but not at will.)
- cUPC, AB1953, and NSF61 certified
- Neoperl pressure balancing valves
- Vernet sensor bar



Specs:

- Minimum flow rate: 0.9/GPM
- Pressure loss at minimum flow rate: 0.5/psi
- Hot Water Inlet Temperature Range: 120~180^{0}F (48.8~82.2^{0}C)
- Cold Water Inlet Temperature Range: 39~84^{0}F (3.9~28.8^{0}C)
- Outlet Temperature Range: 80~120^{0}F (26.7~48.8^{0}C)
- Outlet Temperature Factory Settings: 100.4^{0}F (38^{0}C)
- Inlet/Outlet Spec: 1/2' NPS threaded male

EWSF26026SACC

Installation Procedure:

- Close both the hot and cold water shut-off valves upstream nearest to the intended installation.
- Bleed the remaining water from the system.
- Connect the water supply to valve as shown in Figure 1. Supply piping **MUST** be flushed clean before making connections to the valve.

NOTE: Please make sure that the metallic filters (see figure 2) are installed prior to water supply connection as shown in figure 3. Failing to do so may cause clogging and malfunction of the thermostatic valve.

- Valve can be installed in any position.

NOTE: the inlet hot supply is to be connected to the "H" side of the valve, the cold supply side to the "C" side and the mixed water outlet to the "OUT" side.

- Start-up: Open cold water supply, then hot water supply. Inspect for leaks.
- Adjust temperature as desired.

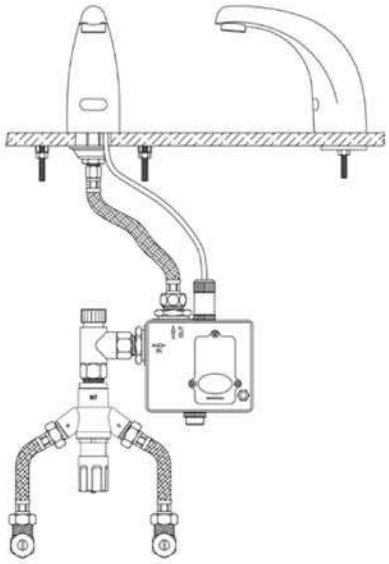


FIGURE 1

FIGURE 2

FIGURE 3

Adjustment:

- Let water flow for at least two minutes to allow supply temperature to stabilize.
- Calibrate the mixed water outlet temperature by placing a thermometer in the mixed water stream.
- To adjust the setting of the valve, loosen locking cap screw with phillips head screwdriver as shown in Figure 4. Cap must be lifted at least 4mm to adjust temperature.

  To increase the temperature, turn counterclockwise. To decrease temperature turn clockwise.

NOTE: Factory settings is 38 ^{0}C (100 ^{0}F). To reset to factory settings, simply align the redlines under the cap as shown in Figure 6.

FIGURE 6

- Lower cap and tighten screw as shown in figure 5.
- Check outlet temperature.

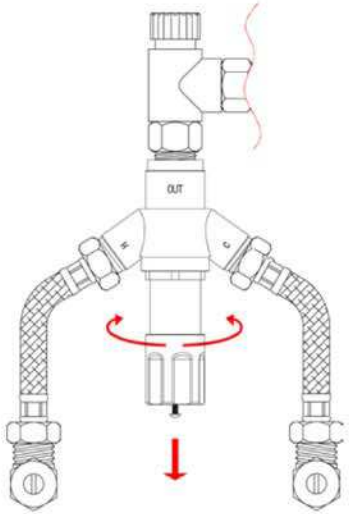


FIGURE 4

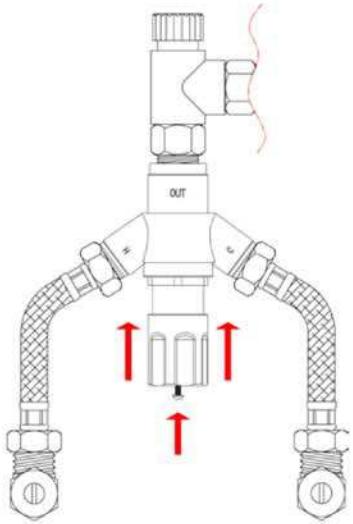


FIGURE 5

IMPORTANT END USER INFORMATION

Care and Cleaning Instructions

1) Never use any cleaner or cleanser based cleaning material on this product.

2) Keep the faucet dry! While drying your hands, dry the faucet as well. The water in certain parts of the world can be very caustic. Any standing water around the faucet could damage the intrinsic coating; remove it as soon as possible.

Discover why the professional's choice for sinks and faucets is also the right choice to take care of all of your home's stainless surfaces and accessories. Visit **www.byelkay.com** for more information or for a complete list of all domestic showrooms in your area visit **www.elkayusa.com, where to buy**.

ELKAY LIMITED FIVE YEAR FAUCET WARRANTY ON COMMERCIAL FAUCETS

Limited Five Year Functional and Finish Warranty
Elkay warrants to the original consumer purchaser that the Elkay faucet will be free from defects in material and workmanship for Five Years from the original installation date. Elkay will, at its option, supply replacement parts (or if no longer available a comparable product) if the faucet fails due to a defect in material or workmanship. This warranty does not apply in the event of produce surface damage caused by abuse, misuse or improper care and maintenance. This warranty excludes damage caused by harsh or abrasive cleaners and/or materials. This warranty includes all industrial, commercial and business use. Product replacement does not include transportation cost or labor installation cost. Elkay reserves the right to examine product in question and its installation prior to replacement.

OTHER WARRANTY CONDITIONS ON FAUCETS
Our warranty does not cover product failure or damage caused by abusive treatment, misuse, environmental factors, improper care and cleaning, or damage due to handling or faulty installations. This warranty is extended only to the original consumer purchaser of the product. This warranty does not cover shipping costs, labor costs, or any other charges for such items as installation or replacement of the sink, diagnosis or replacement of any faucet or component part, or any other expense or loss.

ALL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. NO ADDITIONAL WARRANTIES, EXPRESS OR IMPLIED ARE GIVEN. ANY IMPLIED WARRANTY, INCLUDING ONE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

TO OBTAIN SERVICE UNDER WARRANTY
1. Write to: Elkay
   Attention: Consumer Services
   2222 Camden Court
   Oak Brook, IL 60523
2. Include a letter containing the following information:
   a. Date of purchase and installation
   b. Description of nature of defect
   c. Model number or description of model and/or component part if possible.

Product Specifications

Power: (a) DC – Alkaline AA Batteries (4); (b) AC/DC alternatively
Water Supply pipe size: NPSM 1/2-1/4
Working Pressure: 2.8 – 213 psi
Ambient Temp. Range: 36°F – 194°F
Sensing Distance: 7/8" – 6-3/4"
Sensing Range Setup: Digital
Response Time: Default 0.3 sec
Off Delay Time: Default 1 sec
Fresh Battery Life Cycle: 400,000
Weak Power Indicator: Steady red LED

Sensor Range Setup (Default range is preset at 5-1/2")

NOTE – Do not attempt to open control module to adjust sensing range
1. Press and hold On/Off button for 5-7 seconds. Red LED on.
2. Release button. Red LED off.
3. Place hand 2-3" from spout. Wait 5-10 seconds until red LED flashes.
4. Place hand at desired sensor distance. Hold hand in place and press the On/Off button.

Printed in U.S.A.
Elkay Manufacturing
2222 Camden Court
Oak Brook, Illinois 60523 USA
98519C

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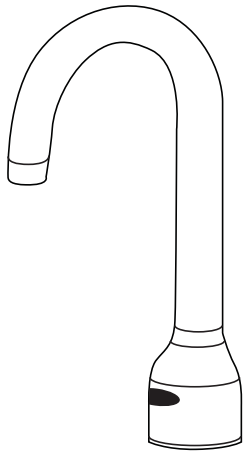
commercial products

Installation Instructions for:

Elkay® Electronic Sensor Activated Deck Mounted Lavatory Faucet

LKB721C and LKB721CNC (Battery / AC powered)



SAVE FOR END USER

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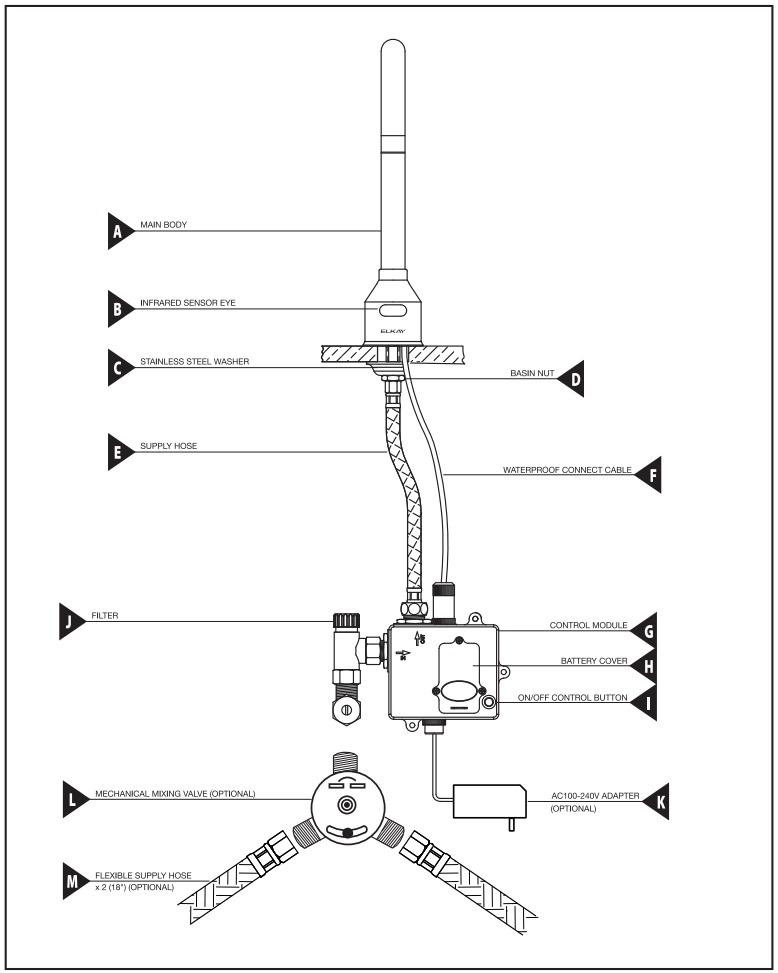
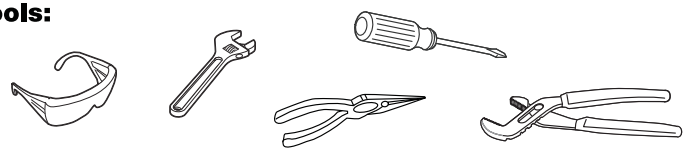


Tools:



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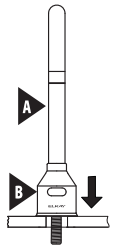

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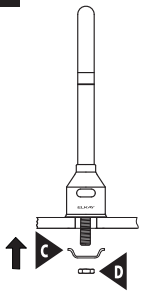

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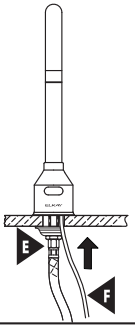

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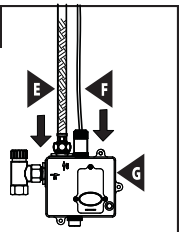
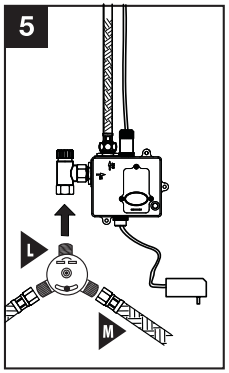


Adapter Installation: Remove black plug from bottom of control module. Insert plug from AC adapter.

5



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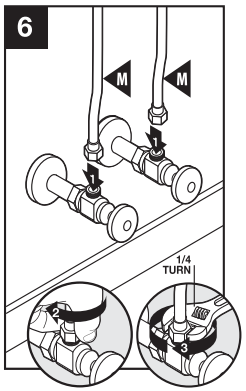

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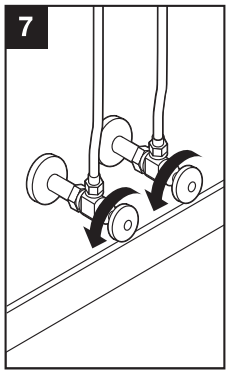

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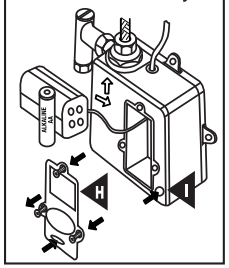
Battery Installation: Unscrew cover and remove old batteries. Hold ON/OFF button for 7-10 seconds to erase the CPU memory.



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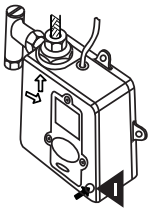
Requires 4 AA batteries. Install new batteries. Screw cover back on. To manually flow water, press the ON/OFF button. Automatic function will set to rest after 60 seconds.



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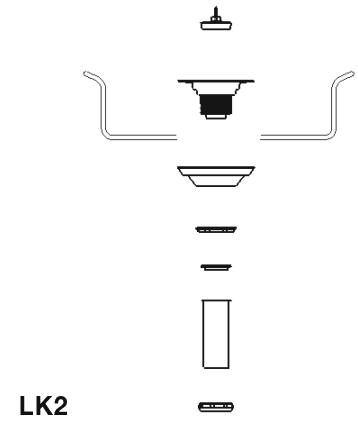
Installation Instructions

Drains



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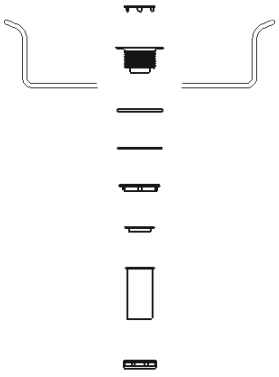

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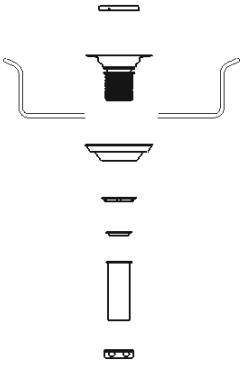
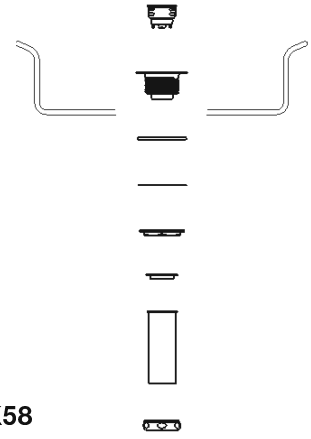


LK18 / LK18B



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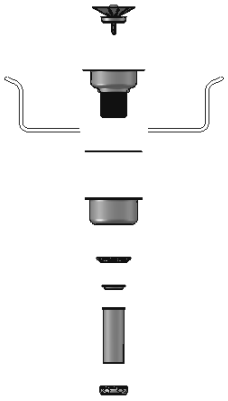

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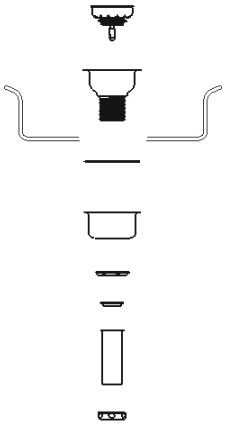

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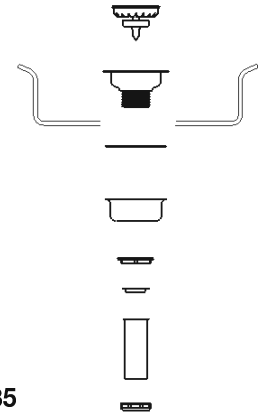

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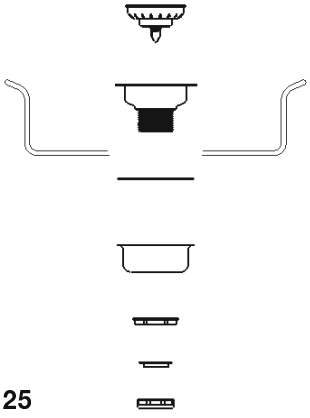

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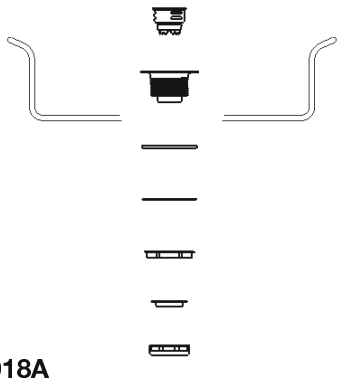

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INSTRUCTIONS:

1) **APPLY GOOD QUALITY PLUMBER'S PUTTY OR SEALANT TO UNDERSIDE OF STRAINER BODY OR TOP OF SINK DRAIN FLANGE AREA.**
2) **ASSEMBLE AND TIGHTEN SECURELY ALL COMPONENTS IN SEQUENCE AS ILLUSTRATED.**
3) **CHECK FOR LEAKS.**

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