1. **Product overview**

The DHC-E TLC is an optional temperature limiting control device designed for use with a DHC-E tankless electric water heater. Where commercial lavatory installation must meet UPC 413.1 by installation of an ASSE 1070-compliant tempering valve.

![Diagram of DHC-E TLC with ASSE 1070 Mixing Valve](image)

- Cold water inlet
- Cold water connection to DHC-E
- Hot water connection to DHC-E
- Hot water outlet
- Pre-set tempering valve

2. **Installation instructions**

2.1 **Hardware installation**

![Diagram of hardware installation](image)

1. Cold water inlet
2. Hot water outlet
3. DHC-E TLC
4. DHC-E tankless electric water heater

**Note:** This manual is not a substitute for the DHC-E installation manual. Observe all instructions outlined in the DHC-E manual before and during the installation of this appliance.

**DANGER: Electrocution**

Ensure that the power to the DHC-E is disconnected before installing this appliance.

**Damage to the appliance and the environment**

Ensure that the water connection is shut off both upstream and downstream of the appliance.

![Diagram of hardware installation](image)

- Apply teflon tape and/or thread sealant on the cold & hot water nipples of the DHC-E.

- Remove the upper piece of the cold water connection union and tighten to the cold water connection of the DHC-E. Remove the middle and upper pieces of the hot water connection union and tighten to the hot water connection of the DHC-E. The union fitting allows future access to service the filter screen.
Hand-tighten the union nuts of the cold & hot water connections on the DHC-E to the corresponding threads on the DHC-E TLC.

Use two adjustable wrenches to tighten the cold water union connection by turning the middle piece clockwise.

Use two adjustable wrenches to tighten the middle piece of the hot water union connection.

Connect the cold water supply to the cold water inlet of the DHC-E TLC.

Connect the hot water supply line to the hot water outlet on the DHC-E TLC.

Adjust the mixing valve with a screwdriver to fine-tune the desired temperature.

2.2 DHC-E temperature control

Note: The DHC-E must be changed into anti-scald protection mode to operate properly. Installation of this device without changing the maximum output temperature mode will void the warranty.

Connect the lead of the electronic temperature control of the DHC-E to position “A2” in order to get the limit the outlet temperature to 109 °F (43 °C).

3. Warranty

Stiebel Eltron warrants that the DHC-E TLC will be free from leaks or defects for a period of 1 year from the date of purchase.

Warranty is only valid in the United States and Canada. Please contact Stiebel Eltron for more information.

Warranty only applies if:
- These installation instructions are observed.
- All required steps up to and including commissioning have been carried out by a qualified contractor.
- Maintenance as specified has been carried out.
- Stiebel Eltron spare parts have been exclusively used for repairs.

If you have any questions concerning the registration process or warranty options, please contact Stiebel Eltron USA directly at 800-582-8423.