

## Wiring Connections on Electric Water Heaters

When proceeding to the wiring connections on residential electric water heaters, it is mandatory to use the red and black wires installed by the manufacturer on the thermostat and make the connections to those wires using appropriate twist-on connectors (marrettes)(see Figure 1). It is prohibited to remove the wires installed by the manufacturer and make the connections directly on the thermostat. Those wires are from a different type than the ones commonly used in the residential construction industry and consequently, hence removing those could lead to a potential safety hazard. Furthermore, any modification to the internal wiring of the water heater can cause damages to electrical components that will not be covered by the manufacturer warranty.

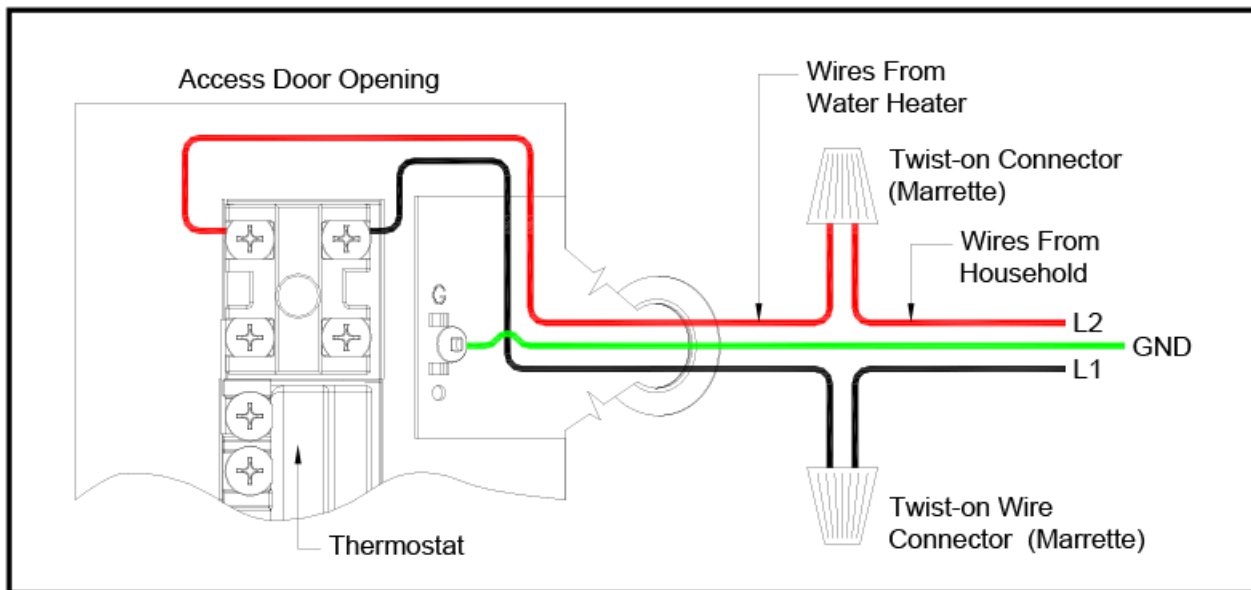


Figure 1