

# TECHNICAL BULLETIN

Line : : **Electric powered Water Heaters**

Technical Notice No. 17

Date: 16/04/2018

## VOLTAGE DROP

### SYMPTOMS

No Enough Hot Water

### CAUSE AND FIX

- Installations with long cable runs have an inherent problem of developing large voltage drops across their cables. The longer your runs get, the lower the voltage is at the point of utilization, To overcome this it is necessary to select and use larger sized electrical cables in order to reduce such voltage drops to acceptable levels.
- First, check the voltage at the water heater's circuit breaker in the service panel to make sure that the appropriate voltage is present. Check for a loose electric connection or defective fuse that could cause the voltage drop.
- If everything is ok but the voltage drop still, then call a professional electrician to find what the problem is.
  1. Temperature set to low.
  2. Check elements.
  3. Check thermostats.
  4. Check for loose wiring.
  5. Water heater undersized.
  6. Check water heater dip/fill tube.

Elaborated By: \_\_\_\_\_

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