



INSTALLATION DATA

5600 SERIES

ELECTRIC WATER HEATER THERMOSTATS

The 5600 Series electric water thermostats are designed for replacement on domestic and commercial water heaters.

The 5600 Series features thermostat (automatic cycling) and high limit (manual reset) in one small housing. Compact size (3-3/4" overall length) assures firm clamp to tank. Controls have snap action operation, fast and easy wiring, and adjustable temperature ranges. See ordering chart for exact ranges available.

Models are recognized and approved.

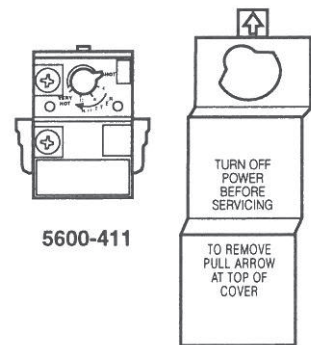
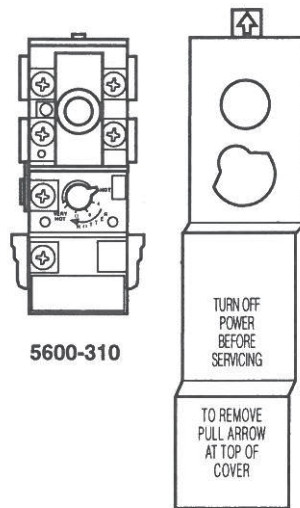
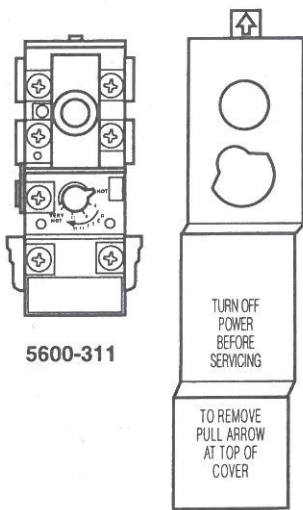
UL file # E47244
CSA file # LR57161

CAUTION

THIS DEVICE SHOULD BE INSTALLED BY A QUALIFIED TECHNICIAN WITH DUE REGARD FOR SAFETY AS IMPROPER INSTALLATION COULD RESULT IN A HAZARDOUS CONDITION.

WARNING

Electrical Shock Hazard Disconnect electrical power before servicing. Failure to do so can result in death or electrical shock.



Each thermostat comes with a personal protector.

SPECIFICATIONS

UNI-LINE ORDER NO.	REPLACES	TYPICAL APPLICATION	SWITCH TYPE	TEMP. RANGE	DIFF
5600-411	5600-011/EWT1	LOWER	SPST	120° - 160° ± 5	70 - 170
5600-310	5600-210/EWT1 L2	SINGLE	SPST/DPST HIGH LIMIT	120° - 160° ± 5 LIMIT 190° ± 5	70 - 170
5600-311	5600-211/EWT2L2	UPPER	SPDT/DPST HIGH LIMIT	120° - 160° ± 5 LIMIT 190° ± 5	17° - 27°

ELECTRICAL RATING

THERMOSTAT CONTROL	HI-LIMIT CONTROL (Manual reset portion)	WATTAGE INPUT
30 amp @ 120-250 VAC 22 amp @ 277 VAC 12.5 amp @ 480 VAC 125 VA pilot duty @ 120-480 VAC	40 amp @ 277 VAC 25 amp @ 480 VAC 125 VA pilot duty @ 120-480 VAC	3600 W @ 120 VAC 7200 W @ 240 VAC

WARNING:

HOTTER WATER INCREASES THE RISK OF SCALD INJURY!!!
(INCREASING THERMOSTAT SETTINGS ABOVE THE FACTORY PRESET INCREASES THE CHANCE OF SCALDING.)

TROUBLESHOOTING GUIDE

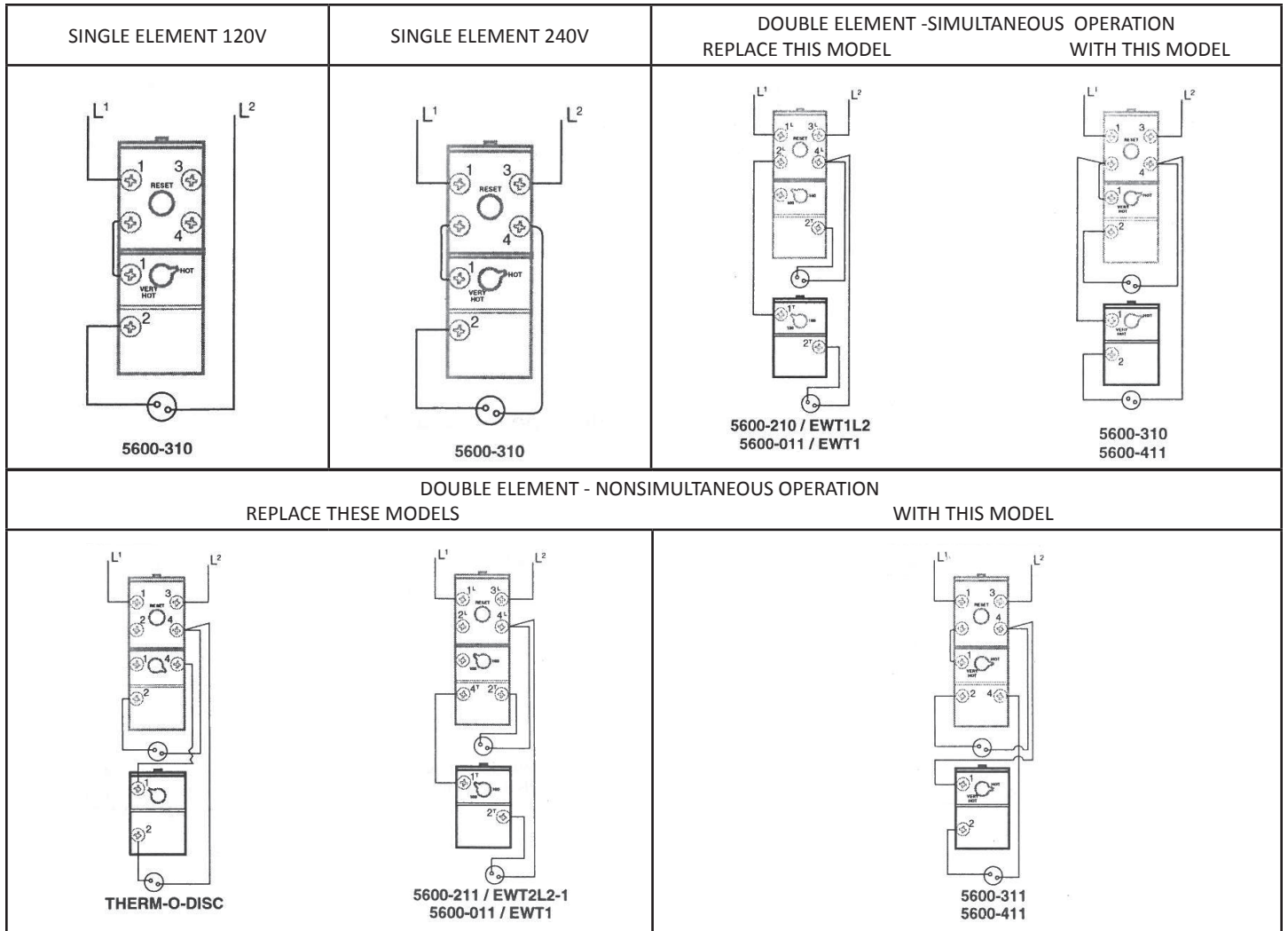


WARNING:

BEFORE ATTEMPTING TO SERVICE ANY WATER HEATER
TURN THE POWER OFF BEFORE REMOVING ACCESS PANELS.

CONDITION	PROBABLE CAUSES POWER OFF	REMEDY
1. NO HOT WATER	THERMOSTAT HIGH LIMIT TRIPPED THERMOSTAT SETTINGS TO LOW •• BURNED OUT HEATING ELEMENT	TURN POWER ON SEE CONDITION • ADJUST THERMOSTAT REPLACE ELEMENT
2. INSUFFICIENT HOT WATER	THERMOSTAT SETTINGS TOO LOW •• BURNED OUT HEATING ELEMENT	• ADJUST THERMOSTATS REPLACE ELEMENT
3. WATER TOO HOT	THERMOSTAT SET TOO HIGH	• ADJUST THERMOSTATS
4. THERMOSTAT HIGH LIMIT TRIPPED	• BURNED OUT HEATING ELEMENT OR THERMOSTAT MALFUNCTION	REPLACE ELEMENT REPLACE THERMOSTATS

- Both thermostats on a double element water heater must be adjusted to the same setting to control tank temperatures.
- To test for burned out heating elements:
 - A) Turn power off and disconnect wires to heating element.
 - B) Use a continuity tester (multi-meter). If test shows continuity between terminal and flange the element is burned out. No continuity between the element terminals indicates a burned out element. If the test shows continuity between the terminals, the element is good.



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09/14 -1-890 RevB