

Troubleshooting Poor Temperature Regulation

- This page lists problems that may affect the temperature performance of your LUX thermostat with suggested resolutions.
- For more detailed information please refer to the instructions that came with your thermostat.

Model	ELV4
Problem	Resolution
<p>Indicates incorrect room temperature</p> <p>Heats more than 5 degrees past its displayed set temperature</p>	<p>Refer to thermostat manual to verify that your set temperature is what you expect it to be.</p> <p>Refer to thermostat manual to verify that your set temperature is what you expect it to be.</p> <p>Replace the batteries with fresh Duracell® or Energizer® alkaline batteries.</p> <p>Adjust set temperature to at least 5 degrees below room temperature. Then adjust set temperature upward one degree at a time. Listen carefully for a soft click from the thermostat. This click should be heard near room temperature. Adjust set temperature down one degree at a time. Again listen carefully for a soft click from the thermostat near room temperature.</p> <p>Refer to your unit's manual to decrease the units swing value to a narrower setting.</p> <p>Verify that your unit's placement and mounting are optimum per the installation section of its manual.</p>
<p>No heat when expected</p>	<p>Refer to thermostat manual to verify that your set temperature is what you expect it to be.</p> <p>Refer to wiring to verify that it is according to the unit's wiring diagram. Verify that all connections are to your thermostat are clean and tight.</p> <p>Replace the batteries with fresh Duracell® or Energizer® alkaline batteries. Press reset with small Phillips screw driver. It may be necessary to reconfigure some settings after a reset.</p>
<p>Heat Test</p>	<p>Adjust set temperature to at least 5 degrees below room temperature. Then adjust set temperature upward one degree at a time. Listen carefully for a soft click from the thermostat. This click should be heard near room temperature. Heat should operate immediately.</p> <p>Adjust set temperature down one degree at a time. Again listen carefully for a soft click from the thermostat near room temperature. Heat should switch off immediately.</p>
<p>Advanced Troubleshooting</p>	<p>This thermostat is designed to switch potentially hazardous line-voltage. Qualified service personnel may use the</p>

following information to trouble shoot the system.

The ELV4 uses a normally open single pole relay to control a heating system. It should open when hotter than its set temperature and close when cooler than its set temperature.

NOTE: Only the L1-IN/OUT pole is broken during normal temperature control. The L2-IN/OUT pole is a pass-through and is always live unless the thermostat's Heat/Off switch is in the OFF position (which will break both L1 and L2 poles).

For further assistance:

Contact your HVAC service company or our Technical Assistance Line if not resolved.

Wiring Information and Troubleshooting

- This page provides general guidance for your LUX Line-Voltage mechanical thermostat. For more detailed information please refer to the instructions that came with your thermostat.
- Please make specific note regarding LOW VOLTAGE and LINE VOLTAGE directions. Do not install LINE VOLTAGE wires to a LOW VOLTAGE control.
- Do NOT wire by color of the wire, wire by the LETTER designation to which the wire was attached on the previous control.

Model	ELV4
Problem	Resolution
120, or 240 VAC connected to previous control	<p>DO NOT ATTACH LINE VOLTAGE (120/240V) WIRES TO A LOW VOLTAGE (24V) THERMOSTAT.</p> <p>Although its installation is relatively simple, this thermostat is designed to switch potentially hazardous line-voltage. If you are unsure of any aspect of this products application or installation, please consult with our technical assistance personnel or other qualified service personnel for assistance.</p> <p>Carefully follow the wiring instructions shown in the ELV4 installation manual for the ELV4 heating control.</p>
Advanced Troubleshooting	<p>NOTE: Only the L1-IN/OUT pole is broken during normal temperature control. The L2-IN/OUT pole is a pass-through and is always live unless the thermostat's Heat/Off switch is in the OFF position (which will break both L1 and L2 poles).</p>
For further assistance:	Contact your HVAC service company or our Technical Assistance Line if not resolved.

Troubleshooting the Display

- Problems that may be identified from the display of your programmable thermostat are listed here with suggested resolutions.
- For more detailed information please refer to the instructions that came with your thermostat.

Model	ELV4
Problem	Resolution
Display will not change	Peel protective plastic label from display.
Display blurred and unreadable	Peel protective plastic label from display. Press the small round inset RESET button behind the door of your unit using a small Philips screw driver. Reconfigure and reprogram.
Time alternates with room temp	This is normal operation which can not be changed.
Blank or fading display	Replace units batteries with fresh AA size Duracell® or Energizer® alkaline batteries. Be sure that they are installed with their polarity (+ and -) correct. Clean battery contacts with a pencil eraser and pry out the spring contact slightly to insure a clean, firm connection. Press RESET using a small Philips screw driver. Then reconfigure and reprogram.
Displays "LO BATT", "REPLACE", or battery symbol	Replace thermostat batteries with fresh AA size Duracell® or Energizer® alkaline batteries. Be sure that they are installed with their polarity (+ and -) correct. Clean battery contacts with a pencil eraser and pry out the spring contact slightly to insure a clean, firm connection.
Displays wrong room temperature	See Temperature Regulation
Displays wrong day or time	Rotate the Speed Dial® to SET DAY/TIME. The day will flash, use UP key to correct day. Press NEXT. The time will flash. Use UP and DOWN keys to go to correct time. Rotate dial back to RUN.
Shows "888" on display	Press RESET using a small Philips screw driver. Reconfigure and reprogram.
Shows "OL"	"OL" means Out of Limits. The sensor is reading outside the thermostats room temperature display limit of 32°F to 95°F. When the temperature returns

	to within these limits the temperature display should reappear. If actual room temp is not outside these limits, there may be a malfunction. Press RESET using a small Philips screw driver. Reconfigure and reprogram.
Displays "OVERRIDE"	"Override" appears on the display when the set temp is raised or lowered from the program temperature. Overrides are terminated at the next scheduled program period when the unit will revert to the program temperature and the "Override" indicator will be extinguished.
Display will not light	Not Applicable. Display is not backlit.
For further assistance:	Contact your HVAC service company or our Technical Assistance Line if not resolved.