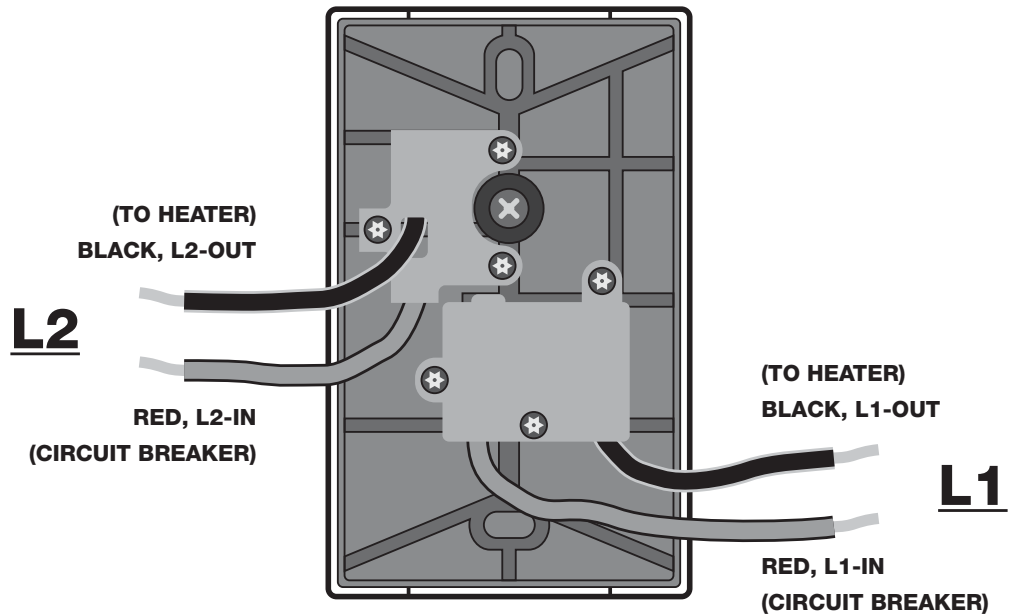
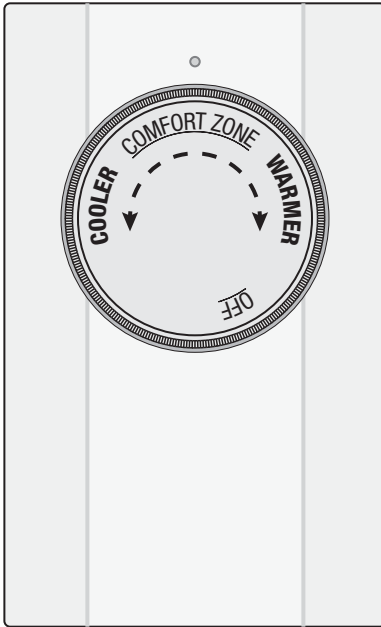




# Installation and Operating Instructions MECHANICAL LINE VOLTAGE THERMOSTAT

52201

## Model MLV21 - Double-Pole, Heating Only



### WARNING:

This thermostat directly controls line voltage (120/240 VAC). Do not attempt to install this thermostat unless you are completely familiar with line voltage wiring. If proper precautions are not followed, a risk of electric shock may exist, possibly causing severe injury or death. Disconnect the supply voltage at the circuit breaker prior to removing the existing thermostat or installing this one.

### RISK OF FIRE HAZARD:

If the electrical conductors to your thermostat wall box are aluminum, **DO NOT** use the wire nuts supplied with this thermostat. Connections to aluminum wiring must be made using approved CO/ALR solder-less wire connectors specifically made for use with aluminum conductors. NOTE: the wires on this thermostat are copper, with a nickel coating to prevent corrosion.

### THERMOSTAT SPECIFICATIONS AND ELECTRICAL RATINGS:

- 22 AMPS @ 120/240 VAC (2640/5280W RESISTIVE LOAD)
- 22 AMPS @ 208 VAC (4576W RESISTIVE LOAD)
- 22 AMPS @ 277 VAC (4986W RESISTIVE LOAD)
- 0.75 HP @ 120 VAC (INDUCTIVE LOAD)
- 1.50 HP @ 208/240/277 VAC (INDUCTIVE LOAD)
- ETL LISTED (USA AND CANADA)
- SETTING RANGE: 41°F - 90°F (5°C - 32°C)

### INSTALLATION NOTE:

On this LV21 model, only the L1-IN/OUT path is broken during normal temperature regulation; the L2-IN/OUT path is only broken when the set temperature knob is turned to the OFF position.

### INSTALLATION INSTRUCTIONS:

1. Disconnect the supply power before removing your old thermostat (if applicable), and keep it off until after you have completed the installation.
2. If replacing an old thermostat, remove it carefully to avoid damaging the wires or the insulation. Check the existing wire insulation for cracks, nicks, or fraying. Apply electrical tape where necessary to achieve adequate insulation, or replace the wires in an approved fashion.
3. Be sure to use the appropriate wires on the thermostat: the RED thermostat wires shall be connected to the voltage supply wires from the circuit breaker, and the BLACK thermostat wires shall be connected to the wires going to the heating appliance.

4. Perform the wire connections using appropriately sized solder-less wire connectors (provided), and be sure that ALL wire connections are securely tightened.
5. Carefully bend any excess wire length into the rear of the electrical box to allow enough room for the thermostat to be comfortably secured to the wall box without having to force it. Ensure that the wires are positioned so that the mounting screws will not damage the wire insulation when they are installed.
6. Once complete, turn the power back on to your heating equipment at the circuit breaker and confirm proper heating operation in all thermostat dial positions.

### TECHNICAL ASSISTANCE:

If you have any problems installing or using this thermostat, please carefully and thoroughly review the instruction manual. If you require assistance, please contact our Technical Assistance Department at 856-234-8803 during regular business hours between 8:00AM and 4:30PM Eastern Time, Monday through Friday. You can also receive technical assistance online anytime day or night at <http://www.luxproproducts.com>. Our web site offers you answers to the most common technical questions, and also permits you to email your questions to our technical support staff at your convenience.

### LIMITED WARRANTY:

If this unit fails because of defects in materials or workmanship within three years of the date of original purchase, LUX will, at its option, repair or replace it. This warranty does not cover damage by accident, misuse, or failure to follow installation instructions. Implied warranties are limited in duration to three years from the date of original purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Please return malfunctioning or defective units to the location from which the purchase was made, along with proof of purchase. Please refer to "TECHNICAL ASSISTANCE" before returning thermostat. Purchaser assumes all risks and liability for incidental and consequential damage resulting from installation and use of this unit. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Applicable in the U.S.A. and Canada only.