**User Guide**  
**LCD Programmable Thermostat (ELA-8842)**

**FEATURE LIST**
- Operates on 2 stage Heat and 2 stage Cool
- 7 programs (Mo, Tu, We, Th, Fr, Sa, Su) or 5 – 2 programs (Mo-Fr, Sa-Su)
- 4 Separate Time and Temperature Settings for each program
- Heat and Cool set-points for each program
- EEPROM stores heat and cool program settings
- Temporary Program Override
- Permanent Program Override
- Compressor Short Cycle Protection
- LCD Backlighting
- Low Temperature Protection

**USER INTERFACE**

**Push Buttons**

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>PRESS</th>
<th>HOLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>▲ UP/Override mode</td>
<td>UP/Permanent Override mode</td>
<td></td>
</tr>
<tr>
<td>▼ Down/Override mode</td>
<td>Down/Permanent Override mode</td>
<td></td>
</tr>
<tr>
<td>ON/OFF</td>
<td>ON/OFF</td>
<td>-------</td>
</tr>
<tr>
<td>MODE</td>
<td>Set operation mode</td>
<td>Internal Setting</td>
</tr>
<tr>
<td>FAN</td>
<td>Set fan speed/Confirm</td>
<td>-------</td>
</tr>
</tbody>
</table>

**OPERATION**

**NORMAL MODE**
1. Press [ON/OFF] to turn on thermostat
2. Press [Mode] to change the system mode
3. There are three operation modes for ELA 8842, Cool Mode, Heat Mode, Auto Mode

**COOL MODE**
- To activate cooling mode, press the mode button until COOL displays
- Press up/down arrow keys to set desired cool temperature
- Compressor will cycle when temperature reaches the set point. After compressor stops, allow at least 3 minutes before restarting
- Resolution: 0.5°C /1°F
- Voltage: 18-30VAC
- Accuracy: ±0.5°C/ 1°F
- Temperature measurement range: °C~40°C /32°F ~ 99°F

**HEAT MODE**
- To activate heating mode, press the Mode button until HEAT displays
- Press up/down arrow keys to your desired temperature
- The unit will cycle until the set temperature is achieved and will continuously cycle to maintain the set temperature
- The temperature reading that is on constant display is the ambient room temperature.

**SELF PROGRAMMING**

**DAILY PROGRAMMING**

- Press [On/Off] twice to select Settings (Settings is flashing)
- Press [Mode] key to select Edit “Settings”
- Use [Up] and [Down] to select Time
- Use [Up] and [Down] to select Heat
- Use [Up] and [Down] to select Cool
- Press [Fan] to confirm when complete

**TIME SETTING**

Set Clock/Day is flashing
1. Press [Mode] key to select Edit “Clock/Day"
2. Use [Up] and [Down] keys to adjust hours (12 hr)
3. Press [Mode] to select minutes
4. Use [Up] and [Down] keys to adjust minutes
5. Press [Mode] to select days
6. Use [Up] and [Down] keys to adjust days
7. Press [Fan] when complete

**EXIT INTERNAL SETTING AND RETURN TO NORMAL MODE**
1. Press [Fan] to confirm and return to normal mode
2. If no key is pressed for 15 seconds, it will return to normal mode automatically

**TEMPORARY PROGRAM OVERRIDE**
1. When thermostat is ON, the program set-point can be temporary override by pressing [UP] or [DOWN]. “OVERRIDE” icon will turn on. Press [UP] or [Down] to select the set point
2. In Heat mode, Heat set-point can be adjusted
3. In Cool mode, Cool set-point can be adjusted
5. Temporary Override will be cancelled if user changes the operation mode or the unit enters the next program time session. Override will show on display

**PERMANENT OVERRIDE**
1. Holding [UP] and [Down] key for 2 seconds to enter Permanent Override mode. Permanent Override icon will turn on.
2. In Heat mode, Heat set-point can be adjusted
3. In Cool mode, Cool set-point can be adjusted
5. Permanent Override will be cancelled if user changes the operation mode or turns off the unit
6. Hold [Fan] key 5 seconds to cancel the permanent override mode

**TEMPORAL PROGRAM OVERRIDE**

**OPERATING SPECIFICATIONS**

- Temperature measurement: °C–40°C /°F – 99°F
- Accuracy: ±0.5°C /1°F
- Voltage: 18-30VAC
- Temperature Controllable range: 5°C–35°C / 50°F – 95°F
- Resolution: 0.5°C /1°F
- Operating temperature: 0 – 50 °C /32 – 122 °F
- Storage temperature: 5 – 50 °C /23 – 122 °F

The temperature reading that is on constant display is the ambient room temperature.