

# Download File PDF Lennox Heat Pump Troubleshooting Guide

#Jenny



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Cool! I'am really happy

#Markus Jensen



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so many fake sites. this is the first one which worked! Many thanks

System Operation Monitor LED Troubleshooting Codes		
Status LED Condition	Status LED Description	Status LED Troubleshooting Information
Green "Power" LED ON	Module has power	24VAC control power is present at the module terminals.
Green "Power" LED OFF	Module not powering up	Determine/verify that both Y and C module terminals are connected and voltage is present at both terminals with a thermostat demand for cooling (1).
Red "Trip" LED ON	System and compressor check out OK.  Thermostat demand signal Y is present, but compressor not running	<ol style="list-style-type: none"> <li>1. Verify Y terminal is connected to 24VAC at condenser coil.</li> <li>2. Verify voltage at condenser coil falls below 0.5VAC when set.</li> <li>3. Verify 24VAC is present across Y and C when thermostat demand signal is present; if not present, R and C wires are reversed.</li> <li>4. Compressor protector is open.</li> <li>5. Outdoor unit power disconnected or open.</li> <li>6. Compressor circuit breaker or fuse(s) is open.</li> <li>7. Broken wire or connector is not making contact.</li> <li>8. Low pressure switch open if present in the system.</li> <li>9. Compressor condenser has failed to close.</li> </ol>
Red "Trip" & Yellow "Alert" LEDs Flashing	Simultaneous flashing	Indicates that the control circuit voltage is too low for operation.
Yellow "Alert" Flash Code 1*	Long Run Time - Compressor is running extremely long run cycles	<ol style="list-style-type: none"> <li>1. Low refrigerant charge.</li> <li>2. Evaporator blower is not running.</li> <li>3. Evaporator coil is frozen.</li> <li>4. Faulty metering device.</li> <li>5. Condenser coil is dirty.</li> <li>6. Liquid line restriction (filter drier blocked if present).</li> <li>7. Thermostat is malfunctioning.</li> </ol>
Yellow "Alert" Flash Code 2*	System Pressure Trip - Discharge or suction pressure out of limits or compressor overloaded	<ol style="list-style-type: none"> <li>1. High head pressure.</li> <li>2. Condenser coil poor air circulation (dirty, blocked, damaged).</li> <li>3. Condenser fan is not running.</li> <li>4. Return air duct has substantial leakage.</li> <li>5. If low pressure switch is present, see Flash Code 1 info.</li> </ol>
Yellow "Alert" Flash Code 3*	Short Cycling - Compressor is running only briefly	<ol style="list-style-type: none"> <li>1. Thermostat demand signal is intermittent.</li> <li>2. Time delay relay or control board is defective.</li> <li>3. If high pressure switch is present, see Flash Code 2 info.</li> <li>4. If low pressure switch is present, see Flash Code 1 info.</li> </ol>
Yellow "Alert" Flash Code 4*	Locked Rotor	<ol style="list-style-type: none"> <li>1. Run capacitor has failed.</li> <li>2. Low line voltage (contact utility).</li> <li>3. Excessive liquid refrigerant in the compressor.</li> <li>4. Compressor bearings are seized.</li> </ol>
Yellow "Alert" Flash Code 5*	Open Circuit	<ol style="list-style-type: none"> <li>1. Outdoor unit power disconnect is open.</li> <li>2. Unit circuit breaker or fuse(s) is open.</li> <li>3. Unit condenser has failed to close.</li> <li>4. High pressure switch is open and requires manual reset.</li> <li>5. Open circuit in compressor supply wiring or connections.</li> <li>6. Unusually long compressor protector reset time due to extreme ambient temperature.</li> <li>7. Compressor windings are damaged.</li> </ol>
Yellow "Alert" Flash Code 6*	Open Start Circuit - Current only in run circuit	<ol style="list-style-type: none"> <li>1. Run capacitor has failed.</li> <li>2. Open circuit in compressor start wiring or connections.</li> <li>3. Compressor start winding is damaged.</li> </ol>
Yellow "Alert" Flash Code 7*	Open Run Circuit - Current only in start circuit	<ol style="list-style-type: none"> <li>1. Open circuit in compressor start wiring or connections.</li> <li>2. Compressor start winding is damaged.</li> </ol>
Yellow "Alert" Flash Code 8*	Low Voltage - Control circuit < 24VAC	<ol style="list-style-type: none"> <li>1. Control circuit transformer is overloaded.</li> <li>2. Low line voltage (contact utility).</li> </ol>

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