



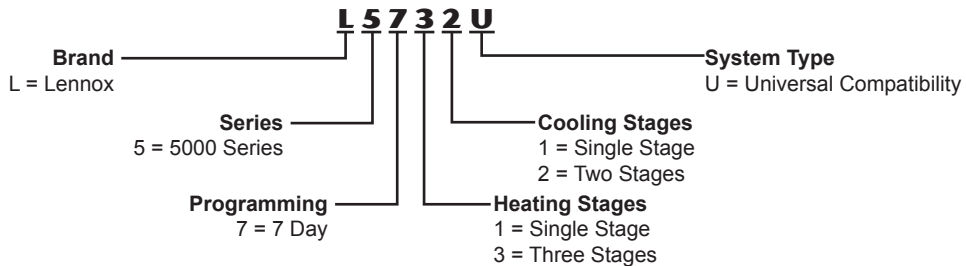
PRODUCT SPECIFICATIONS

Bulletin No. 210501  
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Supersedes February 2008



**1 Heat / 1 Cool Universal Single Stage**  
**3 Heat / 2 Cool Universal Multi-Stage**

MODEL NUMBER IDENTIFICATION



FEATURES

- Large, clear display with backlight shows the current and set temperature and time.
- Menu-driven programming guides user through the scheduling process showing only necessary information on each screen.
- Touchscreen interaction.
- Ergonomic design.
- Intelligent recovery starts system early to achieve setpoint at start of program period.
- Real-time clock keeps time during power failures and automatically updates to daylight savings.
- "Saving Changes" notification lets user know when the schedule changes have been saved.
- Change/check reminders let user know when to service or replace filters, humidifier pads, ultraviolet lamps and thermostat batteries.
- Multiple Hold options allow user to override the program schedule as desired.
- Select multiple days to set same programming for all.
- Armchair programming allows user to remove the thermostat from the wall for programming.

Programmable fan offers increased air quality when combined with a whole house air cleaner.

Outdoor temperature display (with optional outdoor sensor) shows current outdoor temperature.

**WARRANTY**

**Five-year limited warranty** in residential applications. Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

**APPROVALS**

Factory preset program settings conform to EPA ENERGYSTAR® recommended setpoints.

**APPLICATIONS**

Fully programmable thermostats provides universal system compatibility, precise comfort control and easy programmability.

Provides temperature control for gas, oil, electric and heat pumps for 1 heat / 1 cool single stage or 3 heat / 2 cool multi-stage systems (3 heat / 2 cool model includes dual fuel operation).

## FEATURES

### **FULLY PROGRAMMABLE**

7 day programming. Any number of days of the week may have the same schedule.

2 or 4 schedule periods per day.

Battery back-up maintains all programming in the event of a power outage.

### **TOUCHSCREEN DISPLAY**

#### **Home Screen**

- Indoor temperature (Inside)
- Setpoint temperature (Set To)
- Outside temperature (Outside) (with optional remote Outdoor Temperature Sensor)
- Current time, hold time remaining or number of vacation days remaining
- Day of week
- SYSTEM mode  
(HEAT / OFF / COOL / AUTO) 1 heat / 1 cool  
(EM. HEAT / HEAT / OFF / COOL / AUTO) 3 heat / 2 cool
- FAN mode (ON / AUTO / CIRC)
- Enter scheduling mode (SCHED)
- Hold mode (HOLD)
- Time set (CLOCK)
- Screen cleaning (SCREEN)
- Raise / lower temperature setting (Up / Down Arrows)
- Additional system information (MORE)

#### **Programming Screen**

- Each day of week (MON . . . SUN)
- Schedule periods (WAKE / LEAVE / RETURN / SLEEP)

### **USER SETTINGS**

#### **Schedule Periods (WAKE / LEAVE / RETURN / SLEEP)**

User can select any combination of days to have the same time and temperature schedules (examples - Monday through Friday, Saturday and Sunday).

Schedule times are spaced in 15 minute intervals.

Schedule periods can be cancelled (skipped) during programming to maintain the currently operating period (example; cancel the LEAVE period and keep the WAKE period operating until the SLEEP period occurs)

Fan setting can also be programmed for ON, AUTO or CIRC operation for each period.

### **Temperature Overrides**

User can select three different "Hold" schedules.

1. **Hold Temperature Until** (Holds the temperature until the next scheduled period time or until the user cancels (press CANCEL or SCHED to cancel and resume normal schedule).
2. **Permanent Hold** (Holds the temperature until cancelled by user).
3. **Vacation Hold** (Holds the temperature for a user designated number of days).

### **Fan Schedule**

User can select three different "Fan" schedules.

1. **Auto** (default) (fan only operates when equipment is operating).
2. **On** (Fan runs continuously for improved air circulation).
3. **Circ** (Fans runs randomly for 35% of scheduled period for improved air circulation - approximately 12 minutes every 1/2 hour).

### **Fan Override**

Fan setting can be changed to any of the 3 fan schedules above during any time period. Fan operation will return to normal programmed operation when the next scheduled time period begins

### **Maintenance Reminders**

Reminders notify user when to replace filters, humidifier pads or ultraviolet lamps.

Thermostat flashes *Change . . . Filter, Change . . .*

*Humidifier Pad, Change . . . UV Lamp* until user resets reminder (RESET key).

### **Touchscreen Cleaning**

Pressing SCREEN locks the thermostat for 30 seconds to allow cleaning of the screen.

Pressing DONE resumes thermostat operation.

### **BATTERY BACKUP**

Three AAA alkaline batteries (furnished) provide backup in case of power failure.

LO batt indicator flashes on screen for approximately 30 days before batteries must be replaced.

### **LED INDICATOR**

LED is located in the upper right-hand corner of the thermostat - only visible when lit.

When equipment monitor is connected to thermostat L terminal, LED lights if monitor send a check or failure signal to thermostat.

## FEATURES

### **INSTALLER SETTINGS**

#### **Date**

- Year/first two digits (factory setting is 20)
- Year/last two digits (factory setting is 05)
- Month (factory setting is 8)
- Day (factory setting is 19)

#### **Schedule**

- 7-day programming (factory setting)
- Non-programmable

#### **System Type**

- Single Stage Heat/Cool - Gas, oil or electric heating with central air conditioning (factory setting)
- Single Stage Heat Pump - no back-up or aux. heat
- Heat Only w/o fan (conventional)
- Heat Only w/ fan (conventional)
- Hot Water Heat Only (conventional) gas or oil hot water heat. Power open/power close hot water zone valves or normally open valves
- Cooling Only (conventional) central air conditioning only (3 Heat / 2 Cool Models only)
- 2 Heat / 1 Cool Heat Pump - heat pump w/ back-up or aux. heat
- 2 Heat / 2 Cool Multi-Stage (conventional)
- 2 Heat / 1 Cool Multi-Stage (conventional)
- 1 Heat / 2 Cool Multi-Stage (conventional)
- 2 Heat / 2 Cool Heat Pump - no aux. heat
- 3 Heat / 2 Cool heat Pump - w/ aux. heat

#### **Fan Control Heating (3 Heat / 2 Cool Models only)**

- Gas or Oil Heat (factory setting)
- Electric Heat

#### **Auxiliary Heat Source (3 Heat / 2 Cool Models only)**

- Electric Heat (factory setting)
- Fossil Fuel (heat pump applications)

#### **External Fossil Fuel Kit**

- No External Kit Controlling Heat Pump Aux. Heat - Thermostat controls dual fuel operation (optional Outdoor Temperature Sensor required)
- External Fossil Fuel Kit Controls Heat Pump Aux. Heat

Additional Installer settings are available for the following:

- Cycle Per Hour for Cooling and Heating Stages
- Backlight Operation
- Compressor Lock-out
- Changeover
- Deadband
- Fahrenheit or Celsius Temperature Display
- Daylight Savings
- Outdoor Temperature Sensor

- Lock-out for Heat Pump Compressor and Aux. Heat
- Intelligent Recovery
- Number of Periods
- Min. Compressor "Off" Time
- Heat / Cool Temperature Range
- Clock Format
- Heat / Cool Extended Fan "On" Time
- Maintenance Reminders
- Keypad Lock-out
- Heat / Cool Temperature Control
- Temperature Display Offset
- Reset Thermostat

Please refer to the Installation Instructions for detailed information.

### **INSTALLER SYSTEM TESTS**

Four tests are available for the Installer to check the HVAC system after thermostat set-up has been completed.

1. Installer Test Cool
2. Installer Test Fan
3. Installer Test Heat
4. Installer Test Emergency Heat

Please refer to the Installation Instructions for detailed information.

### **SPECIFICATIONS**

For use with residential equipment only.

#### **Temperature Setting Range**

Heating - 40 to 90°F (4.5 to 32°C)

Cooling - 50 to 99°F (10 to 37°C)

#### **Power Supply**

24VAC (20 to 30VAC maximum), 50/60Hz or 3 AAA batteries only (furnished)

#### **Clock Accuracy**

± 1 minute per month

#### **Dimensions (H x W x D)**

5-1/2 x 7-7/8 x 1-5/16 in. (140 x 200 x 33 mm)

### **ORDERING INFORMATION**

L5711U (**X4146**) - 1 Heat/1 Cool - Universal Compatibility

Terminals: R, C, W, Y, G, O/B, L, S1, S2

L5732U (**X4147**) - 3 Heat/2 Cool - Universal Compatibility

Terminals: R, C, W, W2, Y, Y2, G, O/B, L, E, AUX, S1, S2

### **OPTIONS**

#### **Outdoor Temperature Sensor (X4148)**

When installed outdoors, sensor allows thermostat to display outdoor temperature.

NOTE - Sensor is required for dual fuel operation if thermostat controls dual fuel system operation.

## REVISIONS

Sections	Description of Change
Document	Updated to new publishing software. No changes to data.



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