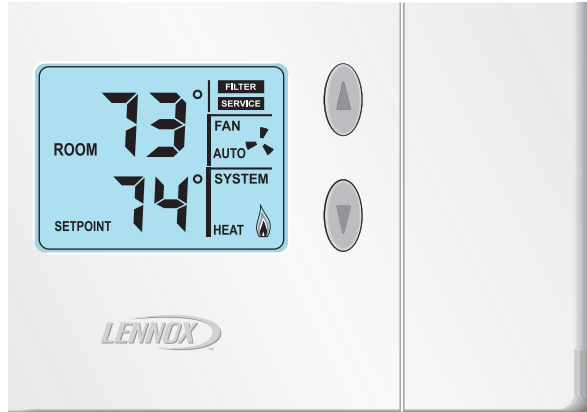




**RESIDENTIAL  
PRODUCT SPECIFICATIONS**

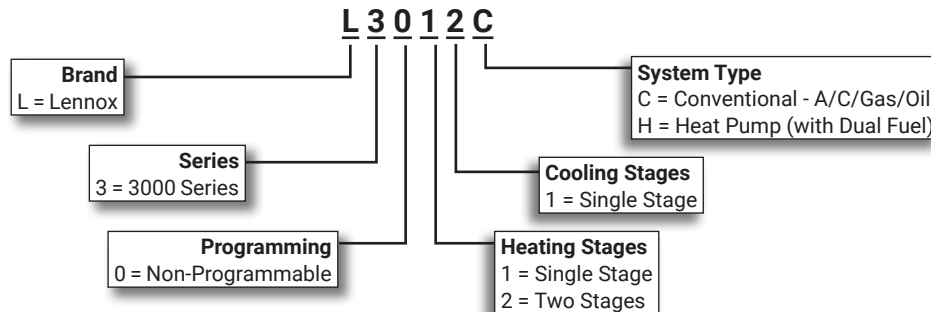
Bulletin No. 210498  
November 2010  
Supersedes February 2008



*ComfortSense®*

**1 Heat / 1 Cool Single Stage  
2 Heat / 1 Cool Multi-Stage or Heat Pump**

**MODEL NUMBER IDENTIFICATION**



**FEATURES**

- Large, back-lit, easy-to-read LCD screen
- Digital display offers more accurate control of temperature settings than mechanical controls
- Large, easy to push buttons
- Sleek, modern appearance works well with any decor
- System status icons show when the HVAC system is running
- Continuous or automatic fan/blower operation
- Filter monitor displays when it is time to service the HVAC system filter
- Service monitor indicates when the system compressor is not operating properly
- Hard-wired to the indoor unit power supply. No batteries to change
- Heat pump model can be used in dual-fuel applications or applications with auxiliary heat lockout
- Equipped with overheat protection in heating mode, a bimetal switch will open Y1, W1 and E if room temperature exceeds 93°F
- Screw terminals on removable sub-base
- Five-minute compressor short-cycle protection
- Minimum run time:
  - Gas or Electric Heat - 3 minutes
  - Heat Pump Heating - 4 minutes
  - Cooling - 4 minutes

**WARRANTY**

- Limited two years in residential applications

**NOTE** - Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

**NOTE** - Requires optional outdoor temperature sensor.

## FEATURES

### DISPLAY

- LCD backlight turns on for 8 seconds when any key is pressed
- **Room** - shows the current room temperature
- **Setpoint** - shows the set point temperature
- System selector indicators - shows the current selection of system control; **COOL, OFF, HEAT, and EMG. HEAT** (heat pump model only)
- If heating is activated, the system status will show a flame icon
- If cooling is activated, the system status will show a snowflake icon
- Fan selection indicator shows the current selection of fan control, **ON** or **AUTO**
- If the fan is activated, the fan status will show a rotating fan icon
- The service status will show a 1HZ blinking indicator when 24VAC or 0VAC is present at the L terminal and Y1 has been activated for at least five minutes

### SPECIFICATIONS

- Temperature set range: 50°F to 90°F
- Room temperature display range: 35°F to 99°F
- Room temperature display: User selectable Fahrenheit or Celsius
- Fan control: On/Auto
- User selectable filter reminder: Off, 1, 3, 6, or 12 months.
- Power Supply: 18-30 VAC - 60hz
- Memory and filter counters maintained for 24 hours of power outage
- Dimensions (H x W x D): 3-1/2 x 4-9/16 x 1-5/16 in. (89 x 16 x 33 mm)

### ORDERING INFORMATION

- L3011C (51M32) - 1 Heat/1 Cool - Single stage Gas/Electric
- Terminals: R, C, Y1, W1, G, L
- L3021H (51M33) - 2 Heat/1 Cool - Heat Pump Systems
- Terminals: R, C, Y1, W1, E, O, B, G, L, T, T

### Optional Accessories

#### Outdoor Temperature Sensor (X2658) (For Heat Pump Models Only)

- Provides balance point control for multi-stage heat pumps
- Outdoor sensor uses 22AWG thermostat wire up to 150 ft. (46 m) long

#### Wall Plate (X2659)

## REVISIONS

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



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