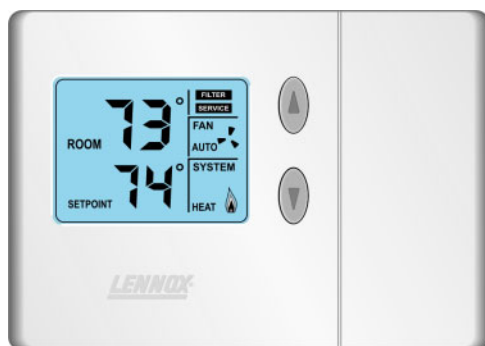




ENGINEERING DATA

Digital Thermostat - Non-Programmable

Bulletin No. 210389
September 2007
Supersedes September 2004



1 Heat / 1 Cool Single Stage
2 Heat / 2 Cool Multi-Stage
3 Heat / 2 Cool Heat Pump

FEATURES

Large, back-lit, easy-to-read LCD screen.
Digital display offers more accurate control of temperature settings than mechanical controls.
Large buttons are easy to push.
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. Requires optional outdoor temperature sensor.
Equipped with overheat protection in heating mode, a bimetal switch will open Y₁, W₁ and E if room temperature exceeds 93°F (34°C).
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

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 which can be 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 (10°C) to 90°F (32°C)
Room temperature display range: 35°F (2°C) to 99°F (37°C)
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: 4-7/8 x 3-1/2 x 1-5/16 in. (125 x 90 x 33)

WARRANTY

Two-year limited warranty.
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

Ordering Information

51M32 - 1 Heat/1 Cool - Single stage gas/electric
Terminals: R, C, Y₁, W₁, G, L
51M33 - 2 Heat/1 Cool - Heat pump systems
Terminals: R, C, Y₁, W₁, E, O, B, G, L, T, T

OPTIONS

Outdoor Temperature Sensor - X2658

Outdoor sensor uses 22AWG thermostat wire up to 150 ft. long.

Wall Plate - X2659

REVISIONS

Sections	Description of Change
Front page	Removed Merit® designation



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