



**RESIDENTIAL
PRODUCT SPECIFICATIONS**

The iComfort® M30 is a Smart Wi-Fi-enabled, electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat. It also offers enhanced capabilities including control for humidification / dehumidification / dewpoint measurement and control, Humiditrol® Enhanced Dehumidification Accessory (EDA), and equipment maintenance reminders.

- Easy to read 4.3 in. color screen (measured diagonally)
- LCD display with backlight shows the current and set temperature, time, inside relative humidity, system status (operating mode and schedules) and outside temperature (optional outdoor sensor required)
- Touchscreen interaction
- Ergonomic design
- Smooth Setback Recovery starts system early to achieve setpoint at start of program period
- Compressor short-cycle protection (5 minutes)
- Real-time clock keeps time during power failures and automatically updates to daylight savings
- Maintenance reminders let user know when to service or replace filters, PureAir® metal insert, humidifier pads, ultraviolet lamps, plus one user or installer defined custom reminder
- Up to four separate schedules are available plus Schedule IQ™
- One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away
- Smart Away™ - Uses geo-fencing technology to determine when the homeowner is within a predetermined distance from the home to operate the system when leaving, away and arriving



**4 Heat / 2 Cool
Universal Multi-Stage**

HOME AUTOMATION

- Amazon® Alexa-enabled
- Works with Google Assistant
- Works with IFTTT

WARRANTY

- Limited five years in residential applications

NOTE - Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

APPROVALS

- Factory preset program settings conform to EPA ENERGY STAR® recommended setpoints

APPLICATIONS

- Fully programmable thermostat provides universal system compatibility, precise comfort control and easy programmability
- Provides temperature control for gas, oil, electric and heat pumps for up to 4 heat / 2 cool multi-stage systems (includes dual-fuel operation)

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Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets.

Service alerts and reminders.

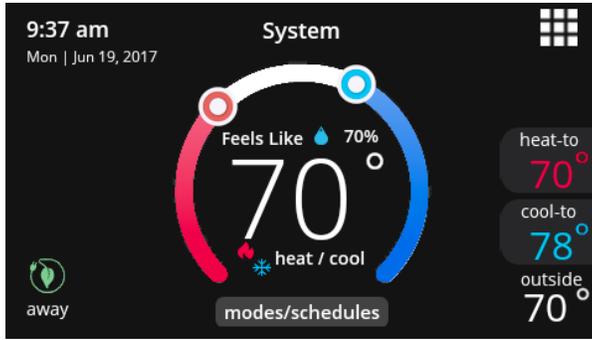
- Permanent memory storage of programs
- Wallplate furnished



FEATURES

USER SETTINGS

HOME SCREEN



 If screen is dark (screen saver on), touch screen to turn on the backlight.

Temperature Settings

- Large display of current inside temperature (°F or °C)
- Heating and Cooling Setpoint Indicators on the round animated temperature band
- Current cooling setpoint temperature Button (cool-to)
- Current heating setpoint temperature Button (heat-to)

 Touching the heat or cool setpoint indicators on the round temperature band, or touching the **heat-to** or **cool-to** buttons displays the heat or cool menu screens (see page 4).

 Both heating and cooling setpoint indicators on the round temperature band and the **heat-to** and **cool-to** buttons are displayed if System is set to Heat/Cool mode.

Current Outside Temperature

- Displays current outside temperature in °F or °C (optional Remote Outdoor Temperature Sensor or Internet connection required)

Time and Date Display

- Displays current time and date (supports daylight savings time changes)

Humidity Display

- Displays current inside relative humidity above current indoor temperature

Mode/Schedules

- Displays current system operating mode below current indoor temperature (heat/cool, heat only, cool only, active schedule or off)

 Touch to access **Modes/Schedules** screen. See page 3.

Menu Button



 Touch to display **menu** screen (see page 2).

Away Mode Button



 Touch to display **away mode** screen (see page 4).

System Status Icons

- Heating (system operating)
- Cooling (system operating)
- Humidification
- Dehumidification
- Defrosting (heat pump only)
- Emergency Heat (emergency heat operating as main heating source)
- Aux Heat (supplemental heat operating)
- Timer (system delay)

 If the **timer icon** is displayed, it indicates an active system delay before cooling or heating operation begins.

- Ambient Lockout (heat pump only)
- Schedule

 Indicates that a schedule is running.

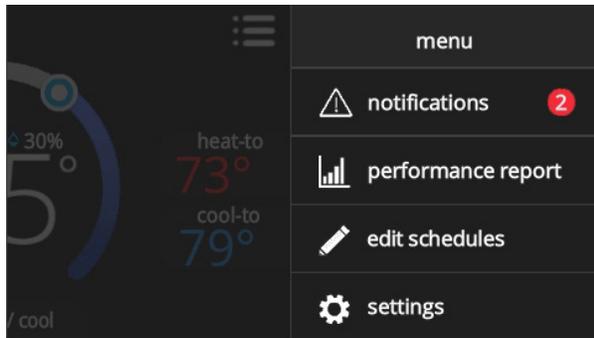
- Fan On
- Fan Auto
- Fan Circulate
- System Tests
- Setpoint Adjustment
- "Feels Like" Starting
- Schedule Hold
- Indoor Humidity Level

 Touching any icon will display the current operating status next to the icon.

FEATURES

USER SETTINGS (continued)

MENU SCREEN



 Touch each item to display the selected screen.

Notifications

- Displays system operating and service reminder messages (see page 5)

Performance Report

- See page 5

Edit Schedules

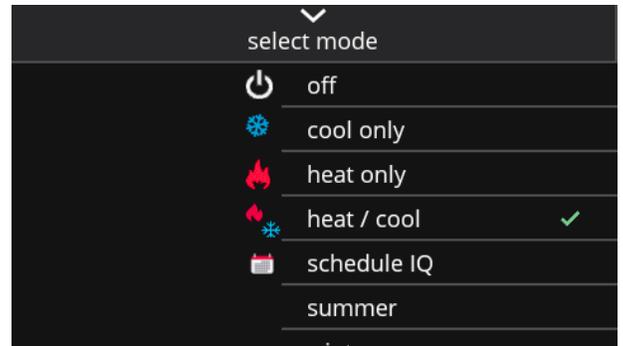
- See page 5

Settings

- Displays various user settings (fan, heat/cool, humidity, reminders, general, display) (see page 5)

 Touch left side of screen to return to the Home Screen.

MODES/SCHEDULES SCREEN



 Touch **modes/schedules** on home screen under current operating mode to access screen.

Select to operate a specific mode or schedule.

Select Mode

- Off Button
- Cool Only Button
- Heat Only Button
- Heat/Cool Button
- Emergency Heat Button (heat pump systems only)
- Schedules

 If additional schedules are available they will be displayed.

- On
- Auto
- Circulate

 A checkmark indicates which mode is active.

 Scroll down to see all modes available on the screen.

FEATURES

USER SETTINGS (continued)

HEAT MENU SCREEN



On the Home Screen, touching the heat setpoint indicators on the round temperature band, or touching the **heat-to** button displays the heat menu screen.

- Heating setpoint display
- Heating Setpoint Indicator on the round temperature band
- Plus (+) and Minus (-) buttons
- Home button (return to Home Screen)

Touch the red heat setpoint indicator on the round temperature band, or touch the **plus** or **minus** buttons to change the heating setpoint in one degree increments.

During a scheduled time period, touching either the setpoint indicator on the temperature band or the heat-to button will initiate a **schedule hold** (see page 8)

COOL MENU SCREEN



On the Home Screen, touching the cool setpoint indicators on the round temperature band, or touching the **cool-to** button displays the cool menu screen.

- Cooling setpoint display
- Cooling Setpoint Indicator on the round temperature band
- Plus (+) and Minus (-) buttons
- Home button (return to Home Screen)

Touch the blue cool setpoint indicator on the round temperature band, or touch the **plus** or **minus** buttons to change the cooling setpoint in one degree increments.

During a scheduled time period, touching either the setpoint indicator on the temperature band or the cool-to button will initiate a **schedule hold** (see page 8)

AWAY SCREEN



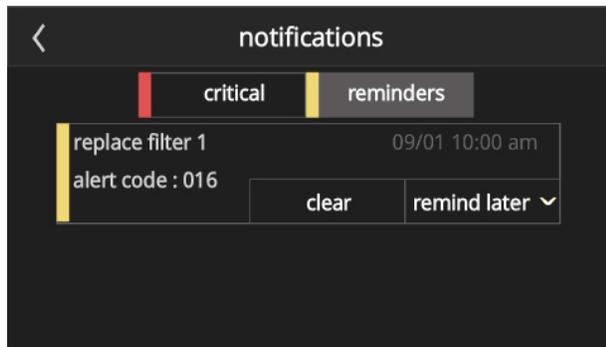
- Set heating or cooling setpoints during unoccupied periods
- Heating and Cooling Setpoint Indicators on the round temperature band
- Current cooling setpoint temperature Button (cool-to)
- Current heating setpoint temperature Button (heat-to)
- Cancel Away Mode Button

Touch **cancel away** button to end away mode and return to current system operation.

FEATURES

USER SETTINGS (continued)

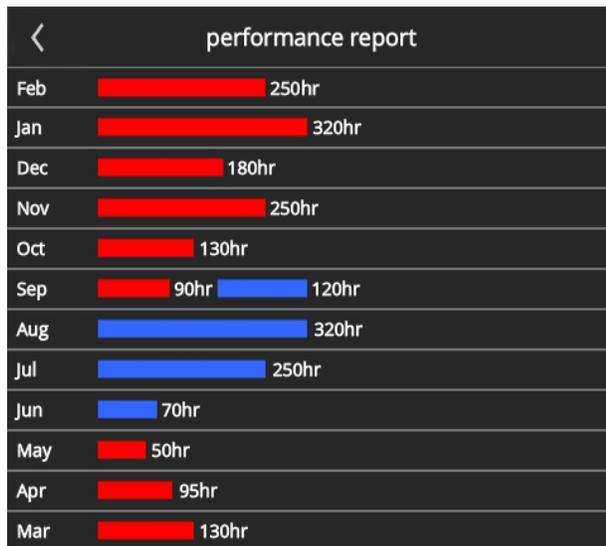
NOTIFICATIONS SCREEN



- Displays faults, errors and service information

 If any faults, errors, or service information appears, buttons are displayed underneath the notification, **remind**, **clear**, **service**, or **reset**. Touch to select the desired action.

PERFORMANCE REPORT SCREEN



- Displays the number of hours each month the system has been operating in heating mode (red) or cooling mode (blue) in an easy-to-read graph

EDIT SCHEDULES SCREEN



- Set schedules for specific times of the year or edit to create custom schedules

 Touch the Menu icon on the Home Screen and select **Edit Schedules** to access the schedules screen.

- Schedule IQ™
- Summer
- Winter
- Spring/Fall
- Save Energy

 **Schedule IQ™** schedule determines when to operate the system based on individual “home day”, “home night”, “away” times and temperature settings.

 Touch a schedule name to edit individual schedule.

- Select Days
 - Individual Days (Monday, Tuesday, etc.)
 - Week/Weekend (Monday-Friday and Saturday-Sunday)
 - All Days
- Select Mode Button
 - Heat/Cool
 - Heat Only
 - Cool Only

 Touch days selected to adjust individual times and temperatures.

 Touch each time period and select **delete period** if you want to remove a time period. You can remove all time periods except one if desired.

 Using **all days** follows the same schedule for each day.

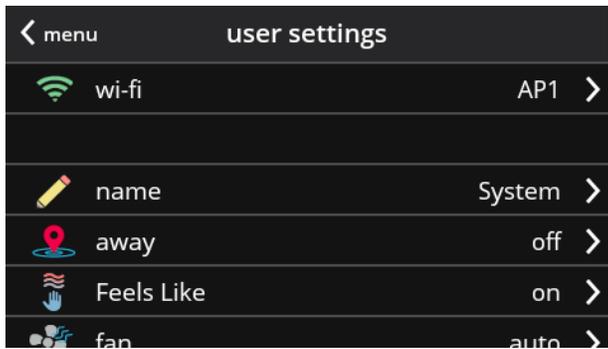
- Set Time (4 time periods per day)
- Individual Sliders to adjust cooling (blue) and heating (red) temperatures for each time period (*Adjustable 60 to 90°F*)
- Fan Icon
 - On
 - Auto
 - Circulate
- Rename

 Rename a schedule with the keyboard tool (maximum 16 characters).

- Restore Defaults button resets schedules to factory settings

FEATURES

USER SETTINGS (continued) SETTINGS (USER SETTINGS) SCREEN



Access to all user settings

- Wi-Fi
- Name
- Away
- Feels Like™
- Fan
- Heat/Cool
- Humidity
- Notifications
- Advanced Settings (Installer Settings)
- General
- Display
- Home Info
- Account

 Touch a parameter on the left side of the screen to display that particular screen.

WI-FI SCREEN



A graphical representation of the home network showing the connection status from the High Definition Display to the Smart Hub to the Internet to the Lennox server.

- Wi-Fi (on/off)
- Wi-Fi Network

 Touch **wi-fi network** to see a list of available networks or to add a network connection not shown (other). Also displays network status (secured/unsecured), strength.

 Touch the **i** button for additional information about a particular network (name, SSID, security, RSSI, etc.).

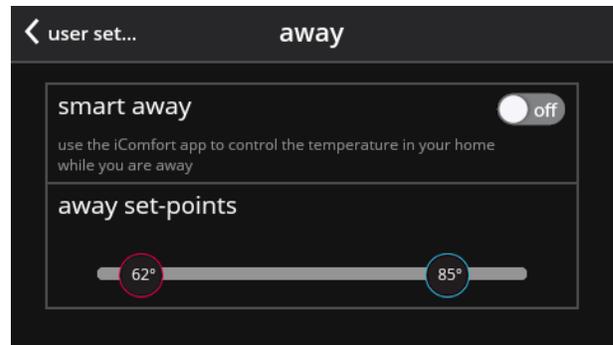
 Touch a particular network ID to connect to that network. Enter password to connect.

 A red "X" means that there is an issue with a connection point that must be resolved.

NAME

- Enter system name (Home 1, Home 2, etc) using the keyboard tool

AWAY SCREEN



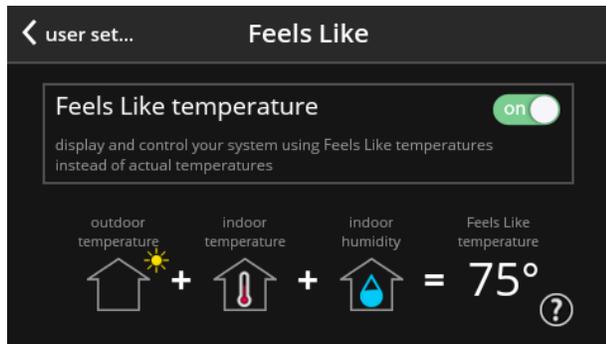
Controls the temperature in the home while away.

- Smart Away™ On/Off (use the iComfort mobile app to control temperature in the home while away)
- Reset Smart Away (turns off all mobile devices)
- Away Setpoints
(60 to 90°F, **62°F heating** and **85°F cooling**)

FEATURES

USER SETTINGS (continued)

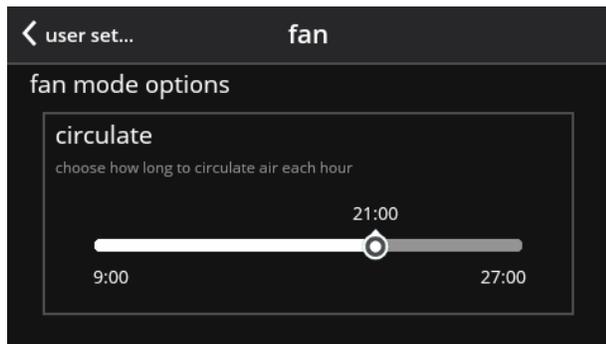
FEELS LIKE SCREEN



Accurately controls temperature in the home by determining the “feels like” temperature based on outdoor temperature, indoor temperature plus indoor relative humidity.

- On/Off

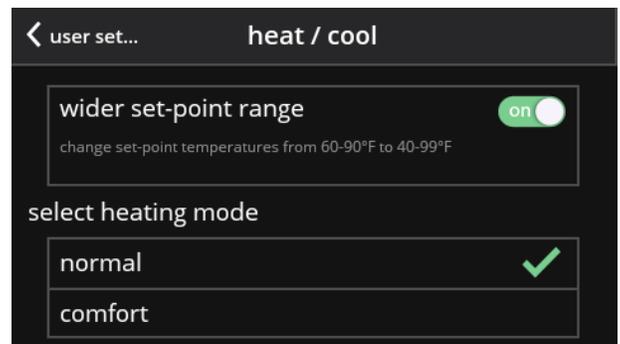
FAN SCREEN



Set how long to circulate the air each hour.

- Circulate
(9 to 27 minutes, **21 minutes**)

HEAT/COOL SCREEN



Adjustments for heating and cooling setpoints, auxiliary heat, safety protection and other settings.

Depending on system mode setting, **heat/cool, heat only or cool only** is displayed in the User Settings.

Wider Setpoint Range

Control heating and cooling temperatures with a wider setpoint range

- On/Off
(Changes temperature range from 60-90°F to 40-99°F)

Select Heating Mode (Heat Pump Systems Only)

- Normal (heats home to desired temperature)
- Comfort (2-stage heating or cooling, 2nd stage is locked in until demand is satisfied)

Auxiliary Heat (Heat Pump Systems Only)

- On/Off
- Allows auxiliary heat operation if temperature drops below set balance point
(-20 to 75°F, adjustable)

Selecting **Auxiliary Heat** displays a slider to adjust balance point levels.

Safety Protection

- Safety Protection
(30 to 100°F, adjustable)

Safety Protection alerts the homeowner if the house is too cold or hot.

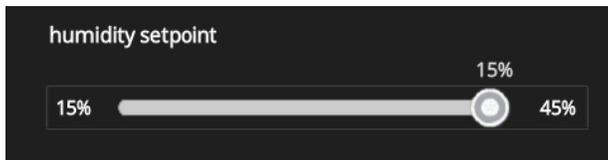
FEATURES

USER SETTINGS (continued)

HUMIDITY SCREEN



- **Off**
- **Humidify**
 - Setpoint - **45%** adjustable RH (15 to 45%)
- **Dehumidify**
 - Setpoint - **50%** adjustable RH (35 to 60%)
- **Humidify + Dehumidify**

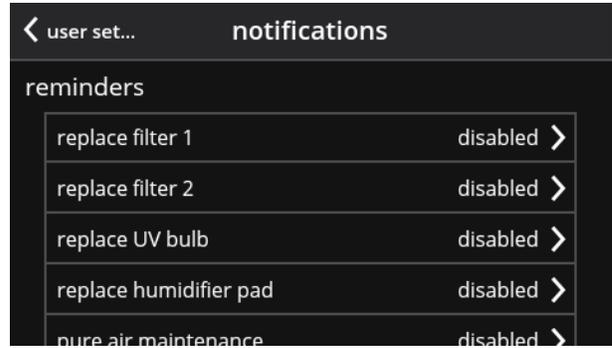


❓ Selecting **humidify** or **dehumidify** displays a slider to adjust the desired levels. Selecting **humidify + dehumidify** displays a slider to adjust both levels (humidification-left, dehumidification-right).

❓ **Dewpoint** setting is only available with optional remote Outdoor Temperature Sensor (-15 to 15%, adjustable, **0%**).

❓ **Humidification Control Center**
normal setting is recommended for moderate climates. Operates the humidifier when there is a call for heating and humidification.
max setting is recommended for drier climates. Operates the humidifier when there is a call for humidification only.

NOTIFICATIONS SCREEN



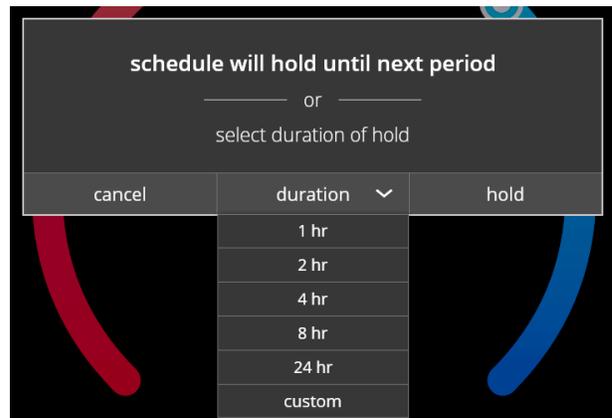
- Replace Filter 1
- Replace Filter 2
- Replace UV Bulb
- Replace Humidifier Pad
- PureAir™ Maintenance
- Maintenance Reminder Settings
- Settings for all Reminders:
 - **Disabled**
 - 3, 6, 12, 24 Months or Custom date
 - Set for Calendar Time or Runtime

❓ Touch **custom** to access the **Set Date Tool** screen to input custom date settings.

ADVANCED SETTINGS SCREEN

See page 11.

SCHEDULE HOLD SCREEN

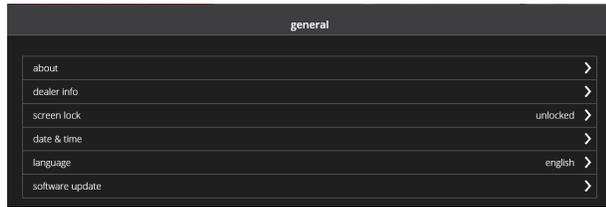


❓ The **schedule hold** screen is displayed after changing the temperatures on the heating or cooling screens while a schedule is running. Preset 1, 2, 8, 24 hours or custom setting (using the Time Tool) sets and hold the temperature for a preset or custom time period until the next time period setting. **Cancel schedule hold** button on Home Screen cancels the held setting.

FEATURES

USER SETTINGS (continued)

GENERAL SCREEN



- About
 - Thermostat model number
 - Control model number
 - Control serial number
 - Control hardware revision
 - Control software revision
 - Software revision
 - Last updated
 - Software Update
 - Automatic Updates (on/off)
 - Check for Updates Now Button
 - Dealer Information
 - Dealer ID
 - Name
 - Country/Region
 - Address 1
 - Address 2
 - City
 - State
 - Zip/Postal Code
 - Phone
 - Email
 - Website

 Input dealer information using the keyboard tool. Dealer can also input information during installer setup.

- Dealer Access
 - Remote View (on/off)
 - Alerts and Notifications (on/off)

 Homeowner can allow/disallow dealer access to system information, alerts and notifications for troubleshooting.

- Screen Lock (Prevents tampering with thermostat settings)
 - Unlocked (no security)
 - Partially Locked (prevents tampering with the menu settings, setpoints can be adjusted)
 - Locked (prevents tampering with the thermostat)

 Lock icon on Home Screen indicates a locked or partially locked screen. To unlock, touch and hold the lock icon for 5-6 seconds.

- Date & Time
 - 12 or 24 Hour setting

 Date and time is automatically set if there is a wi-fi connection to the thermostat.

- Language
 - **English**
 - Français
 - Español

DISPLAY SCREEN



- Outdoor Temperature Display
 - Off
 - Internet
 - Sensor
- Indoor Humidity
 - On
 - Off
- Screen Saver
 - On
 - Off

 Default screen saver blanks the screen display (if enabled). Touch the screen to display.

- Screen Brightness

 Slide control allows screen brightness adjustment (0 to 100%).

- Temperature Unit
 - °F
 - °C
- Clean Screen

 30 Second Countdown timer without affecting settings to allow cleaning of the display.

FEATURES

INSTALLER SETTINGS



After power is applied to the thermostat for the first time it displays the Lennox® “splash screen”.

The Installer is then presented with the several Setup Screens to configure the system prior to operation.

INSTALLER / ADVANCED SETTINGS

MENU	SETTING (default is bold)	Notes:		
INSTALLER SETTINGS (INITIAL SETUP)				
DEALER INFO	Dealer ID Number	enter id	installer can input the dealer number and phone number using the keyboard tool.	
	Dealer Phone Number	enter phone		
	Language	English		
		Français		
		Español		
	Country/Region	United States		
		Canada		
		Australia		
	Date and Time	Time		input the date and time using the set date and set time tools.
		Date		
		Time Zone	Atlantic	Note - Date and Time is automatically set when connected to the Internet.
Eastern				
Central				
Mountain				
Pacific				
Alaska				
Hawaii				
Samoa				
Chamorro (Guam)				
Daylight Savings	On or Off			
Temperature Units	°F or °C			
TERMINAL SETTINGS	(See Terminal Settings on page 11)			
SYSTEM SETUP	(See System Setup on page 11)			
OUTDOOR SENSOR	(See Outdoor Sensor on page 11)			
HUMIDITY	Humidity Control	Off		
		Dehumidify		
REMINDERS	Replace Filter 1	disabled	adjustable 3, 6, 12, 24 months or custom date, can be set to calendar time or run time touch custom to access the Set date Tool screen to input custom date settings	
	Replace Filter 2	disabled		
	Replace UV Bulb	disabled		
	Replace Humidifier Pad	disabled		
	PureAir Maintenance	disabled		
	Maintenance Reminder	disabled		

INSTALLER / ADVANCED SETTINGS

MENU	SETTING (default is bold)	Notes:	
ADVANCED SETTINGS			
SYSTEM SETUP	Outdoor Unit Setting	No Outdoor Unit	
		Air Conditioner	
		Heat Pump	
		Compressor Stage - 1 or 2	
		Outdoor Unit Capacity - 36 kBtu	adjustable 18 to 60 kBtu
		Outdoor Unit 1st Stage Capacity - 70%	Two-Stage only, adjustable 3- to 100%
	Indoor Unit Setting	No Heat	
		Gas	
		Oil	
		Electric	
		Indoor Heat Stage - 1 or 2	Gas, oil or electric heat
	Humidifier	Not Installed	
		Humidification	
	Dehumidifier	Not Installed	
Humiditrol			
Auxiliary Dehumidifier			
OUTDOOR SENSOR	Yes or No		
RESIDUAL COOL	0 , 30, 60, 90, 120 seconds		
BALANCE POINT	Disabled or Enabled	Heat Pump	
	Low Balance Point - 25°F	adjustable -40°F to 48°F	
	High Balance Point - 50°F	adjustable 50°F to 75°F	
DEADBAND	3°F	adjustable (3 to 8°F)	
SMOOTH SETBACK RECOVERY	Enable or Disable		
OFFSET	Temperature Offset - 0°F	adjustable (-5 to 5°F)	
	Humidity Offset - 0%	adjustable (-10 to 10%)	
STAGE DIFFERENTIAL	Stage 1 - 1.0°F	adjustable (0.5 to 8.0°F)	
	Stage 2 - 1.0°F	adjustable (0.5 to 8.0°F)	
	Stage 3 - 0.5°F	adjustable (0.5 to 8.0°F)	
	Stage 4 - 0.5°F	adjustable (0.5 to 8.0°F)	
STAGE DELAY	On or Off		
	Stage 2 through 4 - 20 min.	adjustable (5 to 120 minutes)	
H/C STAGES LOCKED IN	Enable or Disable	turns heating stages off separately	
STAGE 2 HP LOCK TEMP	Off , 40°F, 45°F, 50°F, 55°F	Heat Pump - for dual-fuel applications (locks in 2nd stage compressor)	
COMPRESSOR PROTECT	On or Off		
DISPLAY PERFORMANCE REPORT	On or Off		
TERMINAL SETTINGS	H/D	Off	
		Humidify	
		Dehumidify	
	ACC	Off	
		Humidify	
		Dehumidify	
		Ventilation	
	O/B	O (energized during cooling)	Heat Pump
		B (energized during heating)	
RESET SETTING	Confirm Button	resets all parameters to factory settings	
RESTART	Confirm Button	restarts thermostat	
SYSTEM TEST MODE	Confirm Button	installer run tests to check all output relays. Tests confirm signals between thermostat/unit are being sent/received. Stops system to run system tests	

FEATURES

SPECIFICATIONS

NOTE - For use with residential equipment only.

Order No. - **15Z69**

Temperature Setting Range

- Heating - 45 to 90°F
- Cooling - 45 to 99°F

Humidity Settings

- Operating range - 10 to 90% relative humidity
- Humidity setpoint (Humidification mode) - 15 to 45% relative humidity
- Humidity setpoint (Dehumidification mode) - 35 to 60% relative humidity

Power Supply

- 24VAC (18 to 30VAC maximum), 50/60Hz

Clock Accuracy

- ± 10 minutes per year

Terminals

4 heat / 2 cool multi-stage

- Tc - Outdoor Temperature Sensor Common
- To - Outdoor Temperature Sensor
- ACC 1/ACC 2 - For optional dehumidifier or humidifier accessory (default is ¹ dehumidifier)
- R2 - Secondary 24VAC power for accessories (connected by jumper to ACC 1)
- H/D - Humidification/Dehumidification Relay
- W2 - 2nd Stage Heating (AC) or 4th Stage heating (Heat Pump)
- Y2 - 2nd Stage Heating or Cooling
- O/B - Reversing Valve (Cooling/Heating)
- C - Common 24VAC
- G - Fan
- W1 - 1st Stage Heating (AC or Emergency Heat) or 3rd Stage Heating (Heat Pump)
- Y1 - 1st Stage Heating or Cooling
- R - 24VAC power

¹ Configured in advance settings > terminal settings.

Dimensions

- Thermostat (H x W x D) - 3-5/16 x 4-5/16 x 7/8 in. (84 x 110 x 22 mm)
- Wallplate (W x H) - 5-3/4 x 4-1/2 in. (146 x 114 mm)

Backup

- Non-volatile memory maintains all programming in the event of a power outage

Optional Accessories

Outdoor Temperature Sensor

When installed outdoors, sensor (**X2658**) allows thermostat to display outdoor temperature.

NOTE - Sensor is required for dual fuel operation if thermostat controls dual-fuel system operation. Also required with Humiditrol® applications and Humidity Settings / Humidity / Dewpoint operation.



MOBILE APPS

iComfort® Thermostat App

The free iComfort® Thermostat app is available for use on iPhone® and iPad®, Android™ devices.

Control cooling/heating temperatures, fan operation, set programs and set Away mode for multiple locations.



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Android is a trademark of Google Inc. Use of this trademark is subject to Google permission.



HOME AUTOMATION

Amazon® Alexa

The iComfort® M30 Ultra Smart Thermostat is an Amazon® Alexa-enabled, smart-home-compatible thermostat. It works with Amazon Echo, Echo Dot and Tap devices allowing the homeowner to tell Alexa to adjust the temperature.

Works in conjunction with the Amazon Alexa app (click icon):



See User Guide for additional information about device setup and available voice commands.

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Google Assistant

Control basic functions of the M30 thermostat using Google Assistant.

Download the Google Home app from Google Play or the App Store™ on a compatible phone or tablet. Then follow the on-screen steps to finish setup.

Once you have added the thermostat to your Google Home app, then install the Google Assistant app (Android and IOS) to enable voice control.

NOTE - The Google Assistant app may already be installed on the Android device.

For additional information please visit the [iComfort® Support Website for Google Assistant Integration](#).



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IFTTT



IFTTT, an acronym for If This Then That, is a free service that automates connectivity between apps and services, enabling users to utilize "recipes" that will coordinate small tasks between Internet and web services.

Download the IFTTT app from Google Play or the App Store™ on a compatible phone or tablet. Then follow the on-screen steps to finish setup.

For additional information please visit the [iComfort® Support Website for IFTTT Integration](#).



REVISIONS

Sections	Description of Change
Document	Added Google Assistant and IFTTT integration.



Visit us at www.lennox.com

For the latest technical information, www.LennoxPros.com

Contact us at 1-800-4-LENNOX

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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