Features

This iComfort® E30 smart thermostat is an electronic, color display touchscreen and 7-day programmable interface which communicates directly with the Smart Hub Controller. The system settings are stored in non-volatile memory (i.e., retains data when electrical power fails or is turned off). After on-line registration is completed, the system may then be accessed by the homeowner from anywhere via computer or mobile device (Internet connection required). This system supports the following features:

- Wireless bands 802.11b, 802.11g or 802.11n
- The iComfort E30 smart thermostat supports three languages (English, Français and Español)
- Works with Amazon® Alexa. Allows the homeowner to ask Alexa to adjust the temperature;
- Perfect Temperature (Single Set Point) - This allows a single temperature setting to be used to cool or heat the home;
- Smart Away™ - Uses the thermostat to control the home temperature while unoccupied (geo-fencing)
- FEELS LIKE™ - Controls the system using outdoor / indoor temperatures and indoor humidity to create the optimal comfortable conditions in the home
- Schedule IQ™ - This schedule operates in heat / cool mode and answering a few simple questions will allow the system to know how to set the temperature for the home based on time settings.
- Perfect Temperature - Allows a single temperature setting to be used to cool or heat the home
- Air conditioning or heat pump units with up to four stages of heat / two stages of compressor operation (2 stages of heat pump heating, 2 stages of auxiliary back-up heating, 2 stages of emergency heating)
- Indoor air quality with time-based notification of consumables including media filters, UV-C lights, humidifier pads, and PureAir® system catalyst service / replacement
- Humidification measurement and control
- Dew point adjustment control
- Humiditrol® Enhanced Dehumidification Accessory (EDA)
- Equipment maintenance reminders
- Heat/Cool mode -- Permits control of heating, cooling, humidification, and dehumidification without user involvement
- Performance reports are available through the homeowner web portal
**IMPORTANT**

Due to Lennox’ ongoing commitment to quality, features and options are 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 or servicing agency.

**WARNING**

This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Home Screen

**TEMPERATURE DIAL FEATURE**

A. This is the maximum heat position indicator on the dial. This object will be red/white in color. Selecting this object will bring up the temperature adjustment dial for the heat-to setting adjustment.

B. This is the maximum cool position indicator on the dial. This object will be blue/white in color. Selecting this object will bring up the temperature adjustment dial for the cool-to setting adjustment.

C. This is the location where no system demand will be active. For example, in figure 1, the system would be off between A and B locations.

**NOTE:** By default, the system is configured not to allow the heating and cooling settings to be any closer than three degrees when the system is running in heat / cool mode (auto-changeover).

D. When there is an active call for heating, this area of the dial will have a red background with yellow and dark red flames animation.

E. When there is an active call for cooling, this area of the dial will have a blue background with snow flakes animation.

F. The yellow line indicates the actual room temperature on the temperature dial indicator.

**SCREEN ELEMENTS**

A. The **MENU** button is for accessing notifications and settings.

B. A circle with a number indicates new notifications. Touch **menu > notifications** to display active notifications. Types of notifications include: critical, warnings, reminders, and general information. This can also be sorted by last 24 hours, last 30 days, last 12 months or all notifications.

**NOTIFICATIONS**

**Table 1. Notification Types**

<table>
<thead>
<tr>
<th>Notification Type</th>
<th>Color</th>
<th>What it means</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical</td>
<td>Red</td>
<td>Indicates something has malfunctioned and needs immediate attention. Contact your service technician.</td>
</tr>
<tr>
<td>Warnings</td>
<td>Orange</td>
<td>Indicates an emerging or developing issues that will require attention. One example is excessive run times. Contact your service technician.</td>
</tr>
<tr>
<td>Reminders</td>
<td>Yellow</td>
<td>Indicates filter, UVA light replacement or maintenance is needed, based on run time or calendar schedule. See table 2 service codes.</td>
</tr>
<tr>
<td>Info</td>
<td>Blue</td>
<td>Indicates various system modes, for example away mode.</td>
</tr>
</tbody>
</table>

**NOTE:** Selecting the ALL option displays all of the above.
### Table 2. Reminders (Service Alerts)

<table>
<thead>
<tr>
<th>Number</th>
<th>Reminder</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000</td>
<td>Filter 1</td>
</tr>
<tr>
<td>3001</td>
<td>Filter 2</td>
</tr>
<tr>
<td>3002</td>
<td>Humidifier Pad</td>
</tr>
<tr>
<td>3003</td>
<td>UV Light</td>
</tr>
<tr>
<td>3004</td>
<td>Maintenance</td>
</tr>
<tr>
<td>3005</td>
<td>PureAir Maintenance</td>
</tr>
<tr>
<td>4001</td>
<td>User Wi-Fi state change, disable</td>
</tr>
<tr>
<td>4002</td>
<td>Firmware download failed</td>
</tr>
<tr>
<td>4003</td>
<td>Image file download failed</td>
</tr>
</tbody>
</table>

C. This is the current time, day of the week and date (month/day/year). This information can be adjusted from menu > settings > general > date & time screen.

D. This will display the system name and if there is more than one iComfort E30 smart thermostat installed in the home. If there are dots underneath the name that indicates there are other systems accessible from the home screen display. The system name on display indicates which system is active on the HOME screen.

System names can be changed by going to menu > settings and on the menu on the left side of the screen, select name.

E. This area displays various functions that are either pending or currently active. Indicators are: humidifying, dehumidifying, cooling, heating, ambient lockout, emergency heat, cleaning air, transitioning to next schedule, load shedding and fan is running. Indicators are:

- **Heating** - System is heating the home.
- **Cooling** - System is cooling the home.
- **Humidifying** - If humidification equipment is installed and configured, the system will display this message when adding humidity to the air in the home.
- **Dehumidifying** - The system can be used in cooling mode to help remove excessive humidity as determined by the user setting. Go to menu > settings > humidity > and turn on dehumidify. Then adjust the acceptable low and high humidity levels in the home with the dehumidification set-point slider.
- **Defrosting** - The system is heating the outdoor coil to melt build-up frost or ice.
- **Emergency heat** - All heat pumps operating in northern climates - below 35°F (1.7°C) normally need a supplemental heating source. Usually it is in the form of electric heating provided by the indoor unit. Other sources could be gas, oil, or hot-water back-up systems as well. The supplemental heat is also referred to as “second-stage” or “back-up” heating, with “first-stage” being the heat pump only. Emergency heat is when you use your supplemental heat (2nd stage) by itself, without the use of your heat pump (1st stage heat). This feature is not available for non-heat pump systems.
- **Aux. heat** - Is only available with heat pump system. If outdoor temperature is above the high balance point, only the heat pump will operate (Default 50°F high). If outdoor temperature is below the low balance point, only auxiliary heating will operate - default 25°F (-4.0°C) low. If outdoor temperature is in-between the high and low balance point, both the heat pump and auxiliary heat sources can operate.
- **Will start soon** - A 5 minute safety delay prevents the compressor from operating too soon after shut-down to allow internal pressures to equalize.
- **Ambient lockout** - This indicates that either the outdoor temperature is above or below the balance point temperature settings. The low balance point setting prevents heat pump heating below the set point and back up heat will be used. Typically the default is 25°F (-4.0°C), but that setting can be adjusted by your dealer. At 25°F (-4.0°C) or below for example, only auxiliary heating (electric or gas) is used. If the high balance point is set to 50°F (10°C) for example, which is also adjustable by your dealer, then auxiliary heat will not be allowed. Only heat pump heating will be used. Anytime the outdoor temperature is below or above the balance point temperature settings, the ambient lockout notice will appear on the home screen.
Transiting to next schedule - The system is following an active schedule and is transitioning to the next temperature setting based on a time indicator.

Fan is running - Displayed whenever the system is heating or cooling.

Allergen Defender is working - When Internet weather is enabled and pollen count is high in the home's location, the fan will run between heating or cooling systems to help clean the air.

F. Away - When away icon is touched, the system will automatically use energy saving settings (heat-to 62 and cool-to 85). Temperatures can be adjusted by pressing on the available temperature setting (i.e., heat-to or cool-to). To exit away, press the cancel icon. Note that when manually selecting Away from the home screen, the Smart Away feature (if enabled under settings) will be temporally disabled until Away is canceled. See page 10 for additional information.

G. Pressing on the heat-to area will allow the temperature setting to be changed.

H. Pressing on the cool-to area will allow the temperature setting to be changed.

NOTE: If the system is running on a schedule, any adjustment will display schedule will hold until next period or select duration of hold. Touch hold or duration to select the desired time. The hold period can be canceled by pressing the cancel icon on the right side of the Home Screen.

I. Select Mode: Touch modes/schedules to select the system mode of operation, run a schedule, fan mode operation and turn the system off. To exit this screen, press the home icon.

"Figure 4. Select Mode" on page 5 shows the various modes of operation that may be available. To select a mode for the system or a specific zone, press the desired operation. The gray shaded area indicates the item has been selected.

NOTE: Options are dependent on system configuration. For example, emerg heat (emergency heat) will be auxiliary heat for heat pump systems only.

Fan Operations

There are three fan modes of operation, which are auto, on and circulate. Pressing on the fan icon will allow selection of the desired fan mode.

Table 3. Fan Operations

<table>
<thead>
<tr>
<th>Fan Icon</th>
<th>Fan Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>![fan is running]</td>
<td>ON</td>
<td>Fan is NOT following the schedule and runs continuously until it is changed from the selected mode.</td>
</tr>
<tr>
<td>![fan is running]</td>
<td>AUTO</td>
<td>Fan will follow the fan setting in the selected schedule.</td>
</tr>
<tr>
<td>![fan is running]</td>
<td>CIRC</td>
<td>Fan is following schedule and cycles during periods of equipment inactivity. Circulate run time is dependent on user settings.</td>
</tr>
</tbody>
</table>

Schedules

When selecting schedules, the available options are Schedule IQ, summer, winter, spring/fall and save energy. Schedules are all predefined and can be changed or renamed by selecting edit schedules.

Schedule IQ - This schedule operates in heat / cool mode and answering a few simple questions will allow the system to know how to set the temperature for the home based on time settings.

By default there are two time and temperature settings which can be adjusted using the edit schedules option.

@ home day - default time is 7:00AM with a low temperature setting of 67°F (19.5°C) and high temperature setting of 80°F (26.5°C).
@ home night - default time is 11:00PM with a low temperature setting of 66°F and high temperature setting of 84°F (29°C).

away - Smart Away is used to set the temperature while the home is unoccupied. Default low temperature setting of 62°F (16.5°C) and high temperature setting of 85°F (29.5°C).

Temperatures for “home day”, “home night” and “away” can be adjusted by sliding the low and high temperature circle left or right on the slider.

For each time setting, a specific fan operation can be set as well. Options are on, auto and circulate. Other options are rename the schedule and restore defaults. Press the home icon to exit the screen.

J. Indicates the actual mode of operation the system is running.
K. This is the “inside” room temperature.

NOTE: If the “feels like” option is enabled, feels like will appear above the temperature. This feature can be enabled in the user settings.

L. This icon and number represents the humidity level inside the home at the thermostat location only. This will only be displayed if enabled in the user settings for display. The rain drop will be displayed as different levels based on humidity percentage are detected in the home.

M. Items that may appear in this area of the screen are as follows:

N. This area of the screen will display either the outdoor temperature or weather forecast depending on system settings. The outdoor weather option under menu > settings > display > outdoor weather has to be ON and outdoor temperature is set to either Internet (AccuWeather) or sensor.

Press on the weather section of the Home screen to display detail information concerning local weather. The weather displayed is also dependent on the user correctly adding the home info. Go to menu > settings > home info and verify or add the home information. If only the outdoor sensor is to be used, go to outdoor temperature and set to sensor.

NOTE: If Internet and weather provider are selected, weather information will only be displayed once the thermostat has been set up, connected to the Internet and user login to their account.

Settings

The setting screen will allow the homeowner to connect to their home Wi-Fi router and give their system a name. See list of settings for options.

WI-FI

This is for connecting the thermostat to a secure home wireless network.

NOTE: A router with Bonjour capabilities is required for this function. Check the router functions if Smart Hubs do not connect. Apple Bonjour® is an implementation of zero-configuration networking (Zeroconf), a group of technologies that includes service discovery, address assignment, and host name resolution.

NOTE: Never use a home guest account. Never use an open router connection (non-secure). Always use a secure connection physically located in the home where the thermostat is located.
**Access Point is Visible**

1. Slide the option to ON to enable Wi-Fi.
2. Wi-Fi network will show not connected. Press on not connected.
3. Select a network will be displayed listing all detected networks within range. Select your home network by pressing on the network name.

**NOTE:** The thermostat can connect to a home wireless router that uses up to 32 characters in the access point name (visible or hidden).

4. When connecting to a secure home Wi-Fi network, a password will be requested. Enter your home Wi-Fi network password and press join to continue.

**NOTE:** If you wish to see the characters you are typing, check show password. The thermostat will support up to a 63 character password.

**Access Point is Hidden**

1. Slide the option to ON to enable Wi-Fi.
2. Wi-Fi network will show not connected. Press on not connected.
3. Select other.
4. The “enter new network information” screen will appear. Enter the name of the hidden network.

**NOTE:** The thermostat can connect to a home wireless router that uses up to 32 characters in the access point name (visible or hidden).

5. Select Security. Options are: none, WEP, WPA and WPA2. If your home Wi-Fi connection is unsecured, then Wi-Fi security must be enabled using WEP, WPA or WPA2 via the router before proceeding. Consult your router documentation on how to enable Wi-Fi security.

6. Once security type is selected, a password field will appear. Enter the password to access your home Wi-Fi network.

**NOTE:** If you wish to see the characters you are typing, check show password. The thermostat will support up to a 63 character password.

7. Press join.

Whether connecting to a visible or hidden network, if successful, a check mark will appear above both the router and Internet icons.

---

**Troubleshooting Wi-Fi Connection**

The following terminology is used in this troubleshooting section:

- **Received Signal Strength Indication (RSSI).** RSSI is an indication of the signal strength of the Wi-Fi router being received by the scanning device (i.e., smartphone). Therefore, the higher the RSSI number (or less negative in some devices), the stronger the signal.
- **Wireless Bands 802.11a, g and n.** These are wireless networking standards that extends bandwidth throughput up to 130 mbps using the 2.4 GHz band.
- **Internet Protocol Address (IP address).** This is an address assigned by your home router for each network device (e.g., computer, printer, thermostat).

**Electromagnetic Interference Causing Poor Connectivity:** Locate the thermostat and router away from other devices that could possibility interfere with wireless communications. Some examples of other devices that could interfere are:

- Microwave ovens
- Wireless cameras
- Portable phones and bases
- Baby monitors
- Wireless speakers
- Bluetooth devices
- Garage door openers
- Neighbor’s wireless devices

To eliminate a possible source of interference, temporarily disable any devices and see if Wi-Fi performance has improved.

**Received Signal Strength Indication (RSSI)**

The ideal signal strength range for the thermostat is -1 to 69 RSSI. The signal strength can be viewed from the thermostat interface.

1. Press NETWORK SETTINGS; this screen shows a graphical view of buttons representing OPEN and SECURE wireless networks, along with button for adding a network.

2. Select the access point that has already been established and connected. When selecting the info icon, a screen will appear which will display an option to forget the network and IP address assigned to the thermostat by your router, sub-net mask, router, DNS and RSSI. If the RSSI signal strength is anywhere between -9 to -69, then the signal strength is sufficient. If outside this range, then either relocate the router closer to the thermostat, add a repeater, or move the Smart Hub. Adjusting antennas on router and/or Smart Hub may resolve the issue.
HOME INFO

Selecting this option will allow the home information to be verified and corrected if necessary. If the home information is missing, then enter the information now. This information is required to register the system when creating an account. The information is also used to determine the local weather if the outdoor temperature display is set to AccuWeather.

Remove Home

There is also a selection option called remove home. Using this feature will remove the system information from the consumer portal account. This will only remove the system that is currently being accessed.

ACCOUNT

The account screen will allow the user to set up an account so they may access their system remotely from the consumer portal. Reasons to create an account:

- To enable remote access to the system using a mobile device with the iComfort Thermostat App installed. This will allow remote adjustment for temperature settings and other features.
- To enable the Smart Away feature discussed later in this instruction.
- To directly communicate to the Dealer any issues the system may be incurring.

This menu allows three options:

Using Existing Account

If an E30 account has already been created, then use the sign in option to access your account. Enter your email address and password to connect your system to your on-line account.

Creating a New Account

1. Use this option to create an account. Enter your email address and desired password. Select create new account.

2. The new account screen will appear. Enter your first name, last name and phone number (optional).

3. Enter an email address and repeat to verify.

4. Create a password under the set password location. Retype the password to verify.

5. Check the box that will allow your dealer to receive service alerts and possibly fix your issue remotely (recommended).

6. Check that you agree to the Lennox EULA. Press on LENNOX EULA to read the end-user license agreement.

If the setup and connection to the Lennox server is successful, a green check mark will appear above the server icon under the Wi-Fi menu option.

Generate Pin

If you do not wish to create your account using the Creating a New Account screen, then you will need to select the Generate Pin option and write down the pin number that appears on the screen. The pin number will be used to associate your system to your user account. First, create your account using either the iComfort Thermostat App or consumer website. The first time you login to your account the screen will indicate no iComfort detected. Press on the thermostat image, enter your pin number, and press add. If you enter the number incorrectly the screen will indicate the number entered is invalid. Retry again. When successful, the setup will continue on to the next applicable screen. If you are adding an additional system to your account, press on the menu and select add iComfort.

NOTE: The generate pin option is not required if the account is setup from the thermostat or this is a new additional system, login to the account from the new thermostat.

Move Out

There is also a selection option after the account is set up and active which is called move out. Using this feature just like the remove home feature, will remove the system/home address information from the consumer portal account or mobile application. This will only remove the system that is currently active. Your account is still valid.
AWAY

Away (Smart Away) is a feature that can be enabled once you have created and registered your account. Both Home Info and Account menu options must be completed before this option can be enabled. Once enabled, you can set the low and high temperature settings when smart away determines that no one is home. The Smart Away feature depends on the Lennox iComfort Thermostat App running on your mobile device (smart phone or tablet).

**NOTE:** When Away is selected on the home screen, Smart Away is disabled until Away is canceled from the home screen.

Smart Away can also be enabled from your mobile device, once you have installed the Lennox iComfort Thermostat App and logged in. Go to the menu > settings > away and turn ON smart away. To allow the mobile device you are on to use this feature, turn ON participate. The away fence option will appear and by default, the setting is for one mile. The range for this setting is 1/4 to 4 miles (0.40 to 6.43 kilometers).

It is also recommended to enable location services on your mobile device to enhance the location accuracy when traveling away from home. Consult your mobile device user guide for instructions.

**FEELS LIKE**

The feels like feature uses a combination of outdoor temperature and indoor humidity to come up with the feels like comfort level in the home.

**NOTE:** Feels Like is not a temperature setting but the temperature that the space feels like based on current outdoor temperature and indoor humidity. To adjust Feels Like, lower indoor temperature, or both indoor temperature and humidity percentage settings.

**NOTE:** When Feels Like is set to on, the words Feels Like will appear above the indoor temperature display on the home screen.

**FEELS LIKE SCREEN**

Please make sure to install the iComfort S30 mobile App to participate in Smart Away. You can also configure the away fence in the mobile App. There are currently 2 mobile devices participating.

**FAN**

Go to menu > settings > fan to turn on or off Allergen Defender. Fan mode options for circulate can be adjusted on this screen as well. Adjustments between 9 to 27 minutes on how long the air will circulated each hour. The circulate option runs during any mode selected except when the system is turned off.

**Allergen Defender:** When Internet weather is enabled and pollen count is high in the home’s zip code, the fan will run between heating or cooling systems to help clean the air.

**HEAT & COOL**

This screen allows changes to how the system operates. Options are single set-point, heat pump mode (normal or comfort), auxiliary heat and safety protection.

1. **Perfect Temp:** Option will only be available in non-zoning systems. This option allows the user to control both heating and cooling temperatures with one single temperature setting. Factory default is off.
NOTE: When set to Perfert Temp, the heat / cool position indicator changes. The blue color (cooling) indicator is on the left and heating (red) indicator is on the right. This is just the opposite on how it is displayed in normal heat/cool mode. Also the heat / cool mode indicator will display Auto instead.

2. Select Heat Pump Mode: (only available with system using a heat pump). Options are normal and comfort. Default is normal. Descriptions for what each setting does is displayed on the screen.

3. Wider Set-Point Range: Changes the default low and high maximum temperature setting from 60-90°F to 40-99°F (15.5-32.0°C).

4. Auxiliary Heat*: (only on heat pump systems): An additional heat source will be used automatically when the indoor temperature drops to a temperature that can be adjusted using the slider temperature setting tool.

5. Safety Protection: Alerts you if the home gets too cold or hot. This is set under this menu option on the setting for both low and high temperatures. The system will automatically turn on either cooling or heating if the home’s interior temperature reaches either the low or high setting. A notification is also sent to the Home screen notification area and iComfort Thermostat App.

MORE ON AUXILIARY HEAT

Auxiliary heat is the use of an additional heat source, when the heat pump BTU capacity is not sufficient to keep up with the home’s heating demand; sometimes it is also called supplemental heat.

When used in a dual-fuel mode, auxiliary heating is accomplished with a gas or oil fired unit. In this mode of operation, the heat pump must shut down and uses just the auxiliary heating unit for heating.

If the system is an air handler with electric heat, the auxiliary heat will be in conjunction with the heat pump when the home heating requires it.

Another use of auxiliary heat with heat pump systems includes a setting called balance point. Balance point puts temperature limits on when the heat pump and electric heat work together or independently. When the outdoor temperature is above the default high balance point of 50°F (10°C) (default), only the heat pump will be allowed to run (no auxiliary heat). When the outdoor temperature is below the default low balance point of 25°F (-4.0°C) (default), only the auxiliary heat is allowed to run (no mechanical heat pump operation). When the outdoor temperature is between the low and high balance point settings both heat sources are allowed to satisfy the heating demand.

HUMIDITY

Some options that are available under this section are dependent on whether humidification or dehumidification accessories are installed. Available options which are dependent on configuration options are:

Humidity Control

- Off
- Humidify (option available when humidification accessory is installed)
- Dehumidify
- Humidify + dehumidify (option available when humidification accessory is installed)

Humidification Control Center

When humidify is enabled, the options are as follows and are dependent on equipment type and accessory installed.
- Normal — Recommended for moderate climates. This runs the humidifier when there is a call for heat and humidification.
- Max — Recommended for drier climates. This runs the humidifier when there is a call for humidification only.

Dehumidification Control Center

When dehumidify is enabled, the options are as follows and are dependent on equipment type and accessory installed.
- Normal — Recommended for moderate climates. This runs the dehumidifier when there is a call for cooling and dehumidification.

- Max
  » Single and Two-Stage Outdoor Units or Modulating outdoor units without a Discharge Air Temperature Sensor (DATS) Installed. Recommended when outdoor air is excessively humid. May cool your home below the set temperature.
  » Modulating Outdoor Units with DATS installed. Recommended when outdoor air is excessively humid. Adjusts cooling based on duct sensor data. May cool your home below the set temperature.

Humidification Accessory Installed

Humidity Control: Options are: off, humidify, dehumidify and humidify + dehumidify when a humidifier is installed. When installed, a dew point slider bar option will appear under the humidity menu. By default the dew point slider is set to OFF.

Humidify
- When Humidify is selected, options under Humidification Control Center are normal, max and dew point option to ON or OFF. Default is OFF.
- Humidification set points are adjustable. Range is 15% to 45% humidity. Default is 40%.
- When dew point is set to ON, the slide bar adjustment appears with a range of -15% to 15%. Default is 0%.

Dehumidify
- When Dehumidify is selected, options under Dehumidification Control Center are normal, max and Climate IQ (Auto), depending on hardware configuration.
- In addition, dehumidification set-point is adjustable. Range is 40% to 60% humidity. Default is 50%.

**Humidity + Dehumidify**
- When Humidify + Dehumidify is selected, options under Humidification Control Center are normal and max.
- Options under Dehumidification Control Center are normal, max, and Climate IQ (Auto), depending on hardware configuration.
- When dew point is set to off, the option for set points on the slider is Humidification (left slider) and Dehumidification (right slider). Range is 15% to 60% humidity.
- When dew point is set to on, the range is -15% to 15%.

<table>
<thead>
<tr>
<th>Humidification Control Modes of Operations</th>
<th>Humidification Only</th>
<th>Dehumidification Only</th>
<th>Humidification + Dehumidification</th>
<th>Dew Point</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Humidification Only</strong></td>
<td>Normal</td>
<td>Max</td>
<td>Normal</td>
<td>Normal</td>
</tr>
<tr>
<td></td>
<td>These thermostat modes allow the homeowner to control the relative humidity (RH) between 15% and 45%. The following conditions must be met for either mode to operate:</td>
<td>Humidification mode has been enabled</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Unit is in HEAT mode</td>
<td>Humidification demand exists</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Additionally, the NORMAL mode requires that heat demand exists.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Humidification set-point" /></td>
<td><img src="image" alt="Dehumidification set-point" /></td>
<td><img src="image" alt="Humidification set-point + dehumidification set-point" /></td>
<td><img src="image" alt="Dew point" /></td>
</tr>
<tr>
<td><strong>Dehumidification Only</strong></td>
<td>Normal</td>
<td>Max</td>
<td>Adjust only available with Max setting selected.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Both Staged and Modulating Outdoor Units: This setting is recommended when the air outside is not too humid.</td>
<td>Staged Outdoor Unit: This setting is recommended when the outdoor air is excessively humid. This setting may cool your home below the set temperature in order to remove excessive indoor humidity.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>NOTE:</strong> Discharge air temperature sensor (catalog number 88K38) is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Overcooling" /></td>
<td><img src="image" alt="Dehumidification set-point" /></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Humidification + Dehumidification</strong></td>
<td>Humidification + dehumidification set-point</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dew Point</strong></td>
<td>Dew point adjustment mode will change the humidification set point based on the outdoor temperature and a user-defined dew point adjustment setting.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NOTIFICATIONS

This section allows the user to set up reminders for various accessories. By default all listed items are disabled. The reminders can be set for 3, 6, 12 or 24 months and a custom reminder by specific date can be set.

ADVANCE SETTINGS

This section is for installers and technicians ONLY to customize system settings and run various diagnostic tests.

• View dealer control center - allows installers and technicians to perform custom configurations tailored for the homeowners unique requirements.
• Restart - Options are to restart Smart Hub or thermostat or both.
• Pair Smart Hub to iComfort Dealer Mobile Setup App - this allows an installer to pair their mobile device to start the initial commissioning of the system, or a technician to use a mobile device to perform custom configurations or troubleshooting.

GENERAL

This section provides information and setting changes for various displayed items.

About

This page will provide detailed information concerning the HD Display (thermostat info) and Smart Hub. Provided are: model number, serial number, hardware, software and Wi-Fi revisions.

In addition, for thermostat and Smart Hub, a software update option is listed. Select software update and set Automatic Updates to YES or NO (default is NO). You can also select check for updates now.

Dealer Info

This page will display or allow information to be changed concerning the dealer. Items included on this page are name, address1, address2, city, state, zip code, country/region, phone, email and website. There is a dealer access option at the bottom of the page. Press the > button to access the dealer access page.

Dealer Access

1. Remote View: This option allows the dealer access to remotely view your system. Options are ON and OFF. Default is OFF.
2. Remote Control: There are two options under this section, OFF and ON/ALWAYS. Selecting the desired option will place a green check mark next to the feature.
3. Alerts and Notifications: Default is OFF. Turning on this feature will allow automatic notifications to be sent to your dealer concerning maintenance.

Screen Lock

There are three options for screen locking. Default is unlocked.

• Unlocked - Changes can be made to any settings.
• Partially Unlocked - Screen is locked but temperature settings can be changed.
• Locked - No changes can be made.

To unlock partially locked or locked, press anywhere on the screen and hold for five seconds.

Date & Time

The following items can be set on this screen:
1. The clock can be changed to 24 hour (military). Default is OFF.
2. The following settings are only available if the system is not connected to the Internet.
   • Daylight Savings - ON or OFF. Default is ON.
   • Time Zone: Options are Pacific, Mountain, Central and Eastern. Default is Central. Select time zone and press SET.
   • Set Time - Local time can be adjusted. Press SET to finish.
   • Set Date - Current date can be set. Press SET to finish.

NOTE: If the system is connected to the Internet, only changing to the 24 hour clock can be selected.

Language

This allows the language used on the screen to be changed. Options are English, Français and Español. Default is English.

DISPLAY

The following setting options available are:
1. Outdoor Weather - Turn ON to display weather on the HOME screen.
2. Outdoor Temperature Display - Options are:
   • Internet (AccuWeather) - Will display weather provided by AccuWeather for the local area based on the homeowner zip code.

NOTE: Thermostat has to be connected to the Internet, system is registered, and you are logged into myicomfort.com for this feature to work. See menu > system settings > account to verify.

   • Sensor - Display outdoor temperature only from installed remote outdoor sensor connected directly to the E30 Smart Hub.
3. Outdoor Air Quality - Turn ON to display outdoor air quality on the weather screen.
4. Indoor Humidity - Turn ON to display indoor humidity above the indoor temperature on the HOME screen.
5. **Proximity Sensor** - When turned ON, the display will wake up automatically upon approach.

6. **Screen Saver** - Options for this feature are:
   - **Off**
   - **Weather** - If turned on, will allow up to 26 animated weather screen savers based on the AccuWeather outdoor weather forecast for the local zip code.

   **NOTE:** The thermostat has to be connected to the Internet, system is registered, and you are logged into myicomfort.com for this feature to work. See menu > system settings > account to verify.

   - **Power Save** - Screen is blank until the screen is touched or activated by proximity sensor if enabled.
   - **Logo** - Displays the Lennox Logo.

7. **Screen Brightness** - Options are ON or OFF.
   - If set to ON, control of screen brightness is automatically controlled by the system.
   - If set to OFF, screen brightness can be adjusted using the sliding scale adjustment tool.

8. **Temp Scale** - User can set to either Fahrenheit or Celsius temperature display.

9. **Clean Screen** - Locks the screen and allows user 30 seconds to clean the screen. During this period, the screen will not respond to any input.

### Using the Secure Web Portal

Access all the great Wi-Fi enabled features on your iComfort® thermostat from our secure web portal.

www.myicomfort.com

After signing in from your computer, tablet or smart phone, you will be able to view your iComfort system settings, adjust the temperature and view reminders and alerts – just as you would on your iComfort thermostat at home. With a familiar look and settings this simple, you should feel right at home.

From the web portal welcome page, you may also click on links to launch an interactive demo or learn more about iComfort.

### Installation Report

Installation report is only available to the installer (dealer). Please contact your dealer for a copy of your report.

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### Performance Reports

Performance reports are only available through the consumer portal at www.myicomfort.com. Your dealer also has access through the dealer dashboard.

**NOTE:** Your dealer has the ability to view and generate reports (PDF) for up to 12 months to email to homeowner.

### Mobile Applications

The iComfort® Thermostat App (homeowner app) is available for use on iPhone®, iPad® and Android™ devices.

The Amazon Alexa mobile app is available for use on iPhone®, iPad® and Android™ devices.

Apple, the Apple logo, iPhone and iPad are trademarks of Apple Inc. registered in the US and other countries.

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

Amazon, Echo, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
Amazon Alexa Enabled Devices

This section provides basic information on how to connect Amazon Alexa for your iComfort E30 Thermostat. Also provided are the basic voice commands that works your E30 Smart Thermostat.

As of the date of this publication, Amazon asserts that Alexa is not available for purchase from amazon.ca. Therefore, this reference is intended for use with US-based thermostats only.

SETUP

First you must have an Amazon Alexa enabled device installed and connected to your home Wi-Fi network. Use the following procedure to enable the iComfort E30 Smart Thermostat Skill using the Amazon Alexa mobile app.

1. Download and install the Amazon Alexa app on your mobile device.
2. Start the Amazon Alexa app.
3. Search for “Lennox” in the Skills or Smart Home Skills section of the Amazon Alexa app and ‘Enable Skill’ for the Lennox iComfort Skill.
4. Login with your Lennox iComfort user name and password.
5. Your Lennox account should now be successfully linked with Amazon Alexa.
6. You can now add your iComfort thermostat to Alexa by either of the following options:
   - Clicking on “Discover Devices” in the Smart Home section in the Alexa app OR
   - Ask Alexa to discover your iComfort Thermostat by saying, “Alexa, discover my devices”.

Under “Smart Home” in your Alexa app, you should see a list of discovered devices with your thermostat name(s). You can see your system name on the E30 home screen above the indoor temperature display.

IMPORTANT

If the system name displays the default “System” then it will be called “Thermostat” in Alexa. If you changed the system name to a custom name other than “System”, then that custom name will be used for Alexa.

So only use the exact name(s) you see on the E30 screen when speaking your command. For example, “Alexa, change the “Hallway” to 68 degrees” will work, but “Alexa, change the “Hallway thermostat” to 68 degrees” will not.

In a situation when you may have two or more thermostats in your home, each thermostat must have a unique name.

If your thermostat is using the “Feels Like” feature, Alexa supports that mode of operation as well.

NOTE: You can change your system name by going to the thermostat home screen, select menu > settings > name.

ALEXA VOICE COMMANDS FOR LENNOX SKILL

1. Turn on will set your device to heat and cool mode: “Alexa, turn on (thermostat name)”
2. Turn off will set your device to off mode: “Alexa, turn off (thermostat name)”
3. Set your device to a specific temperature:
   “Alexa, set (thermostat name) to 75 degrees”
   “Alexa, set (thermostat name) temperature to 75”
   “Alexa, set (thermostat name) to 75”
   “Alexa, change temperature to 75”. Alexa will ask you to confirm which device, just say your thermostat’s name.
   “Alexa, turn temperature to 75”. Alexa will ask you to confirm which device, just say your thermostat’s name.
4. Turn UP the temperature a set amount:
   “Alexa, increase (thermostat name) by 3 degrees”
   “Alexa, increase (thermostat name) temperature by 3 degrees”
   “Alexa, raise (thermostat name) by 3 degrees”
5. Turn UP the temperature by 2 degrees:
   “Alexa, increase (thermostat name) temperature”
   “Alexa, heat up (thermostat name)”
6. Turn DOWN the temperature a set amount:
   “Alexa, decrease (thermostat name) by 3 degrees”
   “Alexa, lower (thermostat name) temperature by 3 degrees”
   “Alexa, decrease (thermostat name) temperature by 3 degrees”
7. Turn DOWN the temperature by 2 degrees:
   “Alexa, lower (thermostat name) temperature”,
   “Alexa, cool down (thermostat name)”
   “Alexa, make (thermostat name) colder”
8. Ask for the current temperature:
   “Alexa, what is the temperature of (thermostat name)” Alexa will reply with current temperature.
9. Ask for thermostat set points:
   “Alexa, what is the (thermostat name) set to?” Alexa will reply with the current thermostat setpoints and the thermostat mode (heat, cool or auto).

If you ask Alexa to raise or lower the temperature without specifying by how much, it will change the temperature by two degrees.
CHANGING TO CELSIUS

Using your Amazon Alexa mobile app, select the three bar icon in the upper left-hand of the screen.

1. Select **Settings**.
2. Choose your Amazon device
3. Select **Measurement Units** from the menu.
4. Toggle **ON** Temperature Units - Use metric measurements for temperature units.

**NOTE:** Even though your Lennox thermostat supports half degree settings in Celsius, Alexa only supports whole degrees. The first temperature adjustment that gets made will set the temperature to a whole degree, if it was not already.

HEAT AND COOL MODE

Alexa will control your thermostat a bit differently when it’s in Heat / Cool mode. In Heat / Cool mode the system can automatically switch between heating and cooling as needed.

For instance, if you ask Alexa to set the temperature to 70 degrees, “Your thermostat will use this as a midpoint temperature, setting the Heat setpoint to 69 and Cool setpoint to 72”. Alexa will confirm your request, saying “Hallway is in Heat / Cool mode, aiming for 70 degrees”.

**NOTE:**
1. Saying “Alexa, turn on (thermostat name)” will set your thermostat in Heat / Cool mode.
2. You cannot change the mode (heat only, cool only, etc.) of your thermostat using Alexa.
3. If your thermostat is in ‘away’ or ‘smart away’ mode, any Alexa commands to change thermostat temperature will not work in this mode. In this case, you can ask Alexa to ‘turn on (thermostat name)’ which will cancel the ‘away’ mode on your thermostat. And then ask Alexa to set to desired temperature.
4. Currently, you can pair only one home that is listed in your Lennox iComfort Account with Alexa. In the situation where you have multiple homes associated with your iComfort account, you will not have a choice to choose the home for Alexa. You can check the homes on your account by visiting:

```
https://ic3consumer.myicomfort.com/Dashboard/MyHomes
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**FCC Compliance Statement — Part 15.19**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

**FCC Interference Statement — Part 15.105 (b)**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**RF Exposure Information**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm during normal operation.