




## LENNOX S30 Smart Hub User Guide

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**LENNOX S30 Smart Hub**



## Mounting the Smart Hub

Mount the smart hub to a vertical surface such as a wall stud or roof truss web, or to a horizontal surface such as a floor or ceiling joist, or a roof rafter.

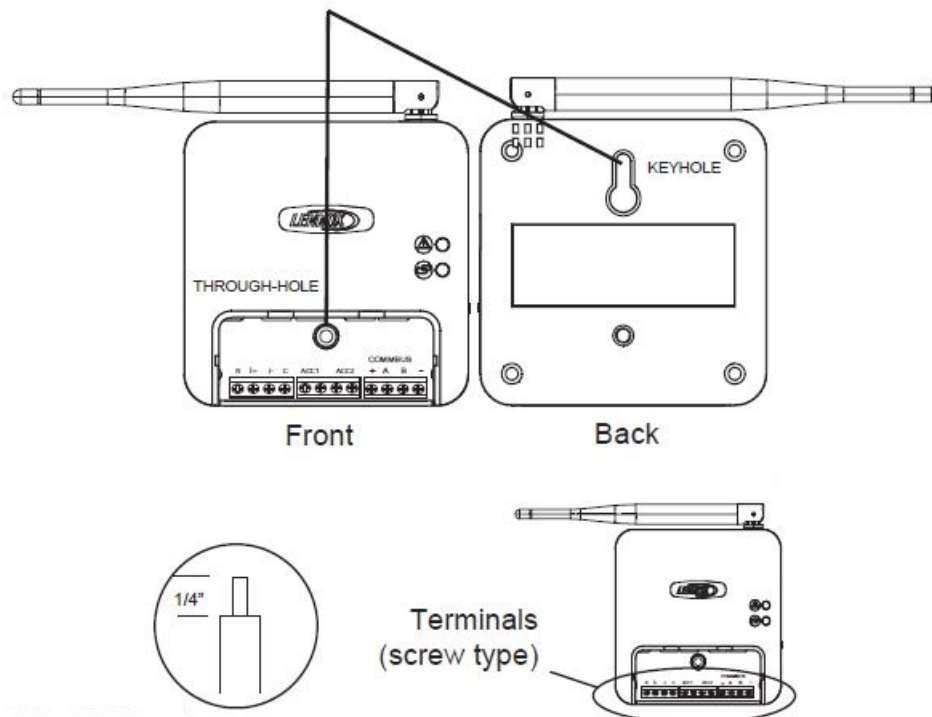
### **NOTE:**

To ensure reliable connectivity, do not mount to a metal surface, air handler, furnace, or ductwork.

### **WARNING**

Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Installation and service must be performed by a licensed professional HVAC installer (or equivalent) or a service agency.

- Use the smart hub as a template to mark required mounting holes on vertical surfaces.
- Secure the smart hub to the wall with field-provided fasteners.
- Strip 1/4" insulation back from the end of each control wire.
- Make connections to smart hub screw terminals using the wiring diagram in step 3.

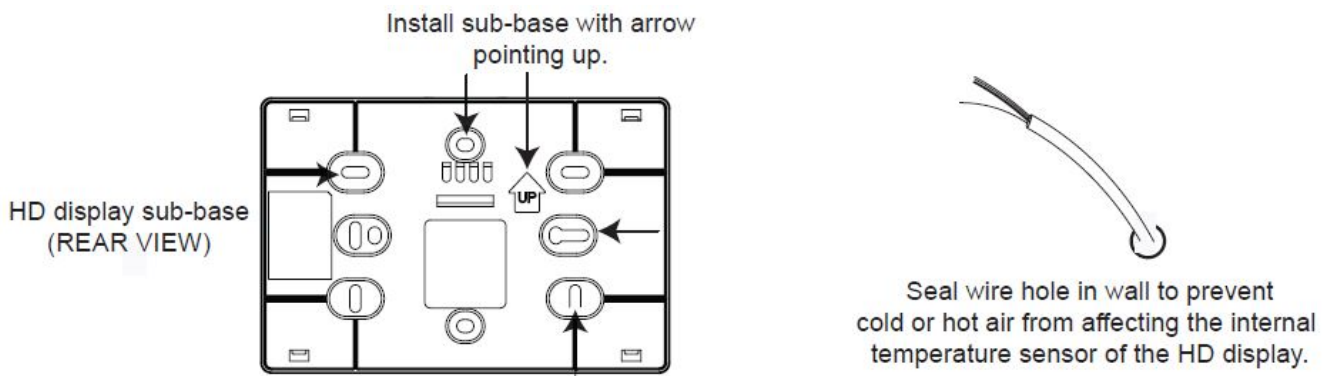


### WARNING

Do not overtighten the lower mounting screw, doing so may damage the smart hub.

### Running Wire and Mounting Sub-base

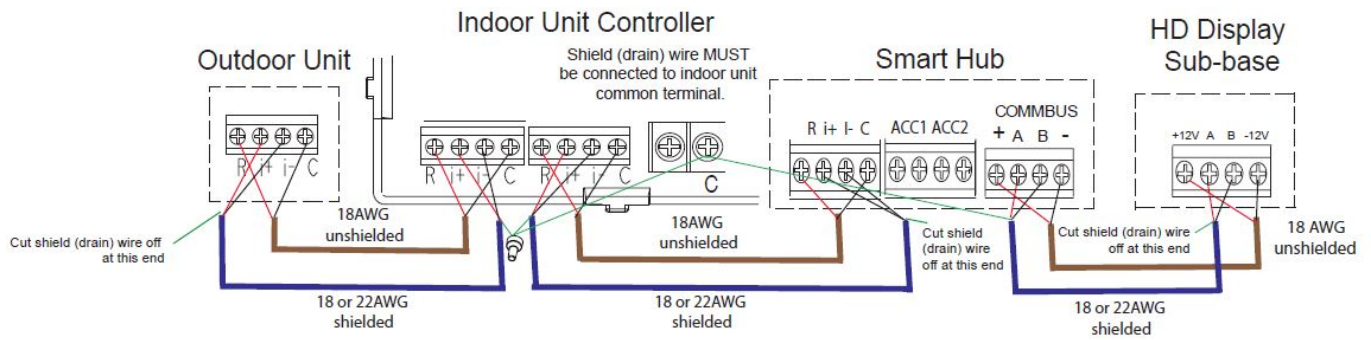
- Use the sub-base as a template to mark the desired mounting hole locations on the wall.
- Pull about three inches (75mm) of thermostat wire through the opening and remove the outer thermostat wire jacket.



### Making Wiring Connections and Attaching Thermostat

#### NOTE:

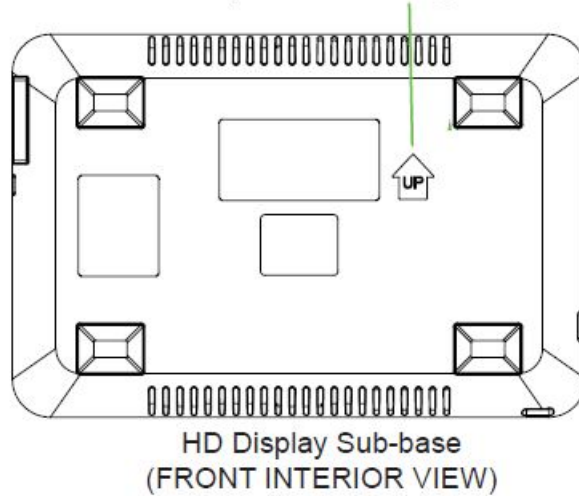
For detailed wiring on different equipment configurations, please reference the S30 Installation and Setup Guide. Shielded wiring is highly recommended for all communication connections.



## IMPORTANT

Use 1-pair, 18AWG unshielded thermostat cable (field-provided) for power terminals (R, C, 12+, and 12-). We highly recommend using 18 – 22AWG shielded thermostat cable for communications terminals (I+, I-, A, and B) which will help eliminate any noise interference.

Install HD display with UP arrow pointing up when attaching to sub-base

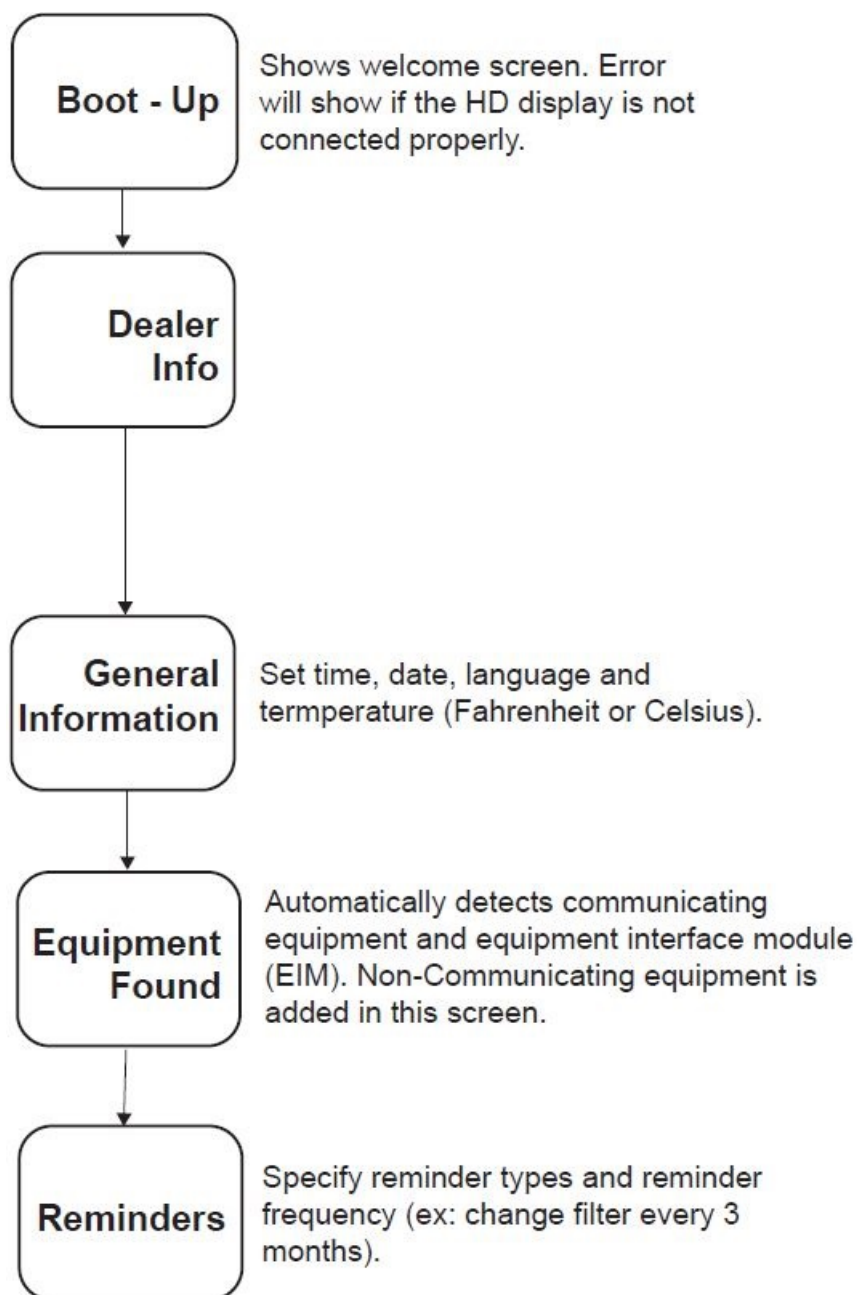


## IMPORTANT

Be careful not to bend the four connection pins protruding from the back side of the HD display. DO NOT lay the display down on the side with pins. Damaged pins could cause power and communication issues between the HD display and the smart hub.

## Commissioning the S30 Thermostat

### Using the Thermostat



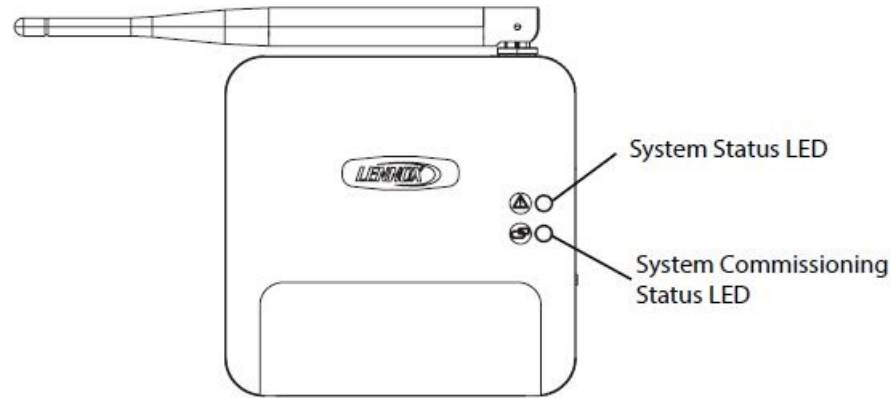
### IMPORTANT

Enter dealer ID number. If not available, enter the phone number associated with the dealer account. This will enable the ability to do advanced diagnostics and remote sharing if permitted by the homeowner.

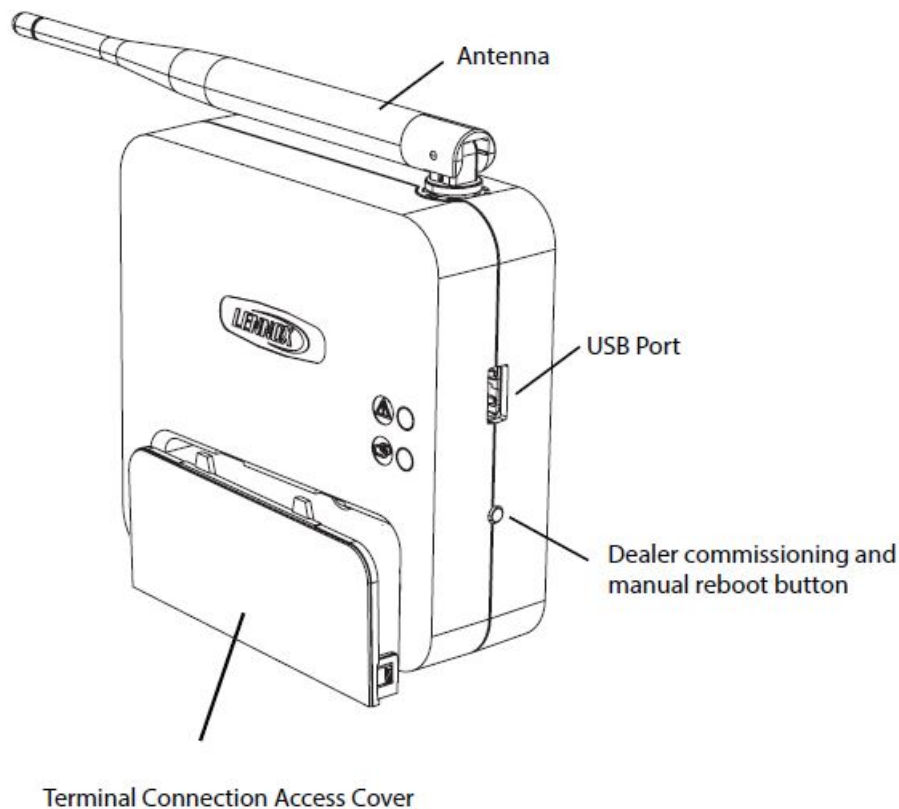
### Using the iComfort Dealer Setup App

1. Download and install the iComfort Dealer Setup App if not already installed.
2. Apply power to the system. Cancel the Apple HomeKit screen for now. Remove the S30 HD display from the subbase. Once commissioning is completed, then the HD display can be reattached to the sub-base.
3. On the smart hub, press the commissioning button located on the side of the unit.
4. The commissioning status LED will start blinking green and the smart hub will broadcast its Wi-Fi identifier (SSID) for 2 minutes.
5. Go to your mobile device's Wi-Fi connection tool and locate the smart hub Wi-Fi broadcast identifier. The example identifier (SSID) is DIRECT-XY12-3456.
6. Connect to the smart hub by using the last eight digits of the smart hub SSID as the password. In this example, it would be XY123456).

7. Once the mobile device is connected to the smart hub, the commissioning status LED will turn solid green.



8. Start the iComfort Dealer Mobile Setup App and validate the serial number of the hub matches what is in the mobile app to ensure connection.
9. Touch the remote-in tab on the Comfort Dealer Setup application home screen to begin commissioning.



## Helping Homeowner Connect to Wi-Fi

1. From the thermostat's home screen, go to Menu > Settings > Wi-Fi.
2. Slide the option to ON to enable Wi-Fi.
3. Wi-Fi network will show not connected. Press on not connected to display a list of available access points.
4. A list of networks that have been found within range will be displayed. Select your home network by pressing on the network name.
5. Enter your home Wi-Fi network password and press join to continue. If successful the Thermostat Connective Status indicator illustrated below will show checkmarks across all connections.

### NOTE:

Whether connecting to a visible or hidden network, if successful, a checkmark will appear above both the router and Internet icons. For information on connecting to hidden networks, please reference the S30 Homeowner Guide page.



**NOTE:**

Installer, please share the homeowner quickstart guide with the homeowner.

**Scan QR Code for S30 Installation and Setup Guide**



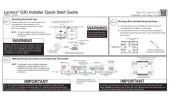
**IMPORTANT**

**ADVANCED DIAGNOSTICS & REMOTE SHARING**

Protect homeowner investment and peace of mind with active monitoring of system operations through the Lennox S30 Smart Thermostat. This feature is free of charge and provides basic maintenance reminders, alerts homeowners of potential issues, and can even allow the homeowner to remotely share diagnostics with the Lennox dealer to troubleshoot and fix problems. This proactive care helps eliminate downtime and avoid unnecessary service visits and repair costs, ensuring nothing short of perfect air.

Please share this information with the homeowner as you ask them to accept the Advanced Diagnostics & Remote sharing permissions.

**Documents / Resources**

	<a href="#">LENNOX S30 Smart Hub</a> [pdf] User Guide S30 Smart Hub, S30, Smart Hub, Hub
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