

Installer Set-Up Guide

Quiet Mode

Available on 850 and 1050 Comfort Controls

ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES

⚠ WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

APPLICATION

Quiet Mode limits compressor operation (Heating and Cooling Mode) % Demand to meet local sound requirements required in certain jurisdictions.

The Quiet Mode feature is available on the 850 and 1050 comfort controls.

CHARACTERISTICS OF QUIET MODE

- When active, the QM symbol will be displayed on the 850/1050 Home Screen.
- When enabled, Quiet Mode limits both heating and cooling modes.
- Quiet mode may be configured to only limit Daytime operation, only limit Nighttime, or limit Daytime and Nighttime to different % demands.
- Night mode affects operation from 10 PM until 9 AM, at which point Day settings for Quiet Mode take over.
- During heating mode, indoor supplemental heat is allowed if the system cannot maintain space conditions while Quiet Mode is active.
- Local code may require auxiliary heat lockout to be configured.

NOTE: Quiet Mode is disabled by default in the homeowner system options. The option to Disable or Enable Quiet Mode is always available to the homeowner. This functionality is accessed from the Home Screen by pressing System Mode> System Options>Enable on the Quiet Mode option. If Quiet Mode is enabled without installer setup, Night operation allows only the minimum % Demand and Day operation allows maximum % Demand. To optimize Quiet Mode performance, the installing dealer must make the changes to the setup found in this document.



INSTALLER SET-UP OF QUIET MODE

From the Home Screen press Menu > Service > Technician Access (hold for 5 seconds) > Proceed > Installer Setup > Lockouts.

INSTALLER NOTES

NOTE 1: On the 1050 control, if zoning is not enabled in group 2, the Quiet Mode may be configured in group 7.

NOTE 2: On the 1050 control, if zoning is enabled in group 2, the Quiet Mode may be configured in group 8.

NOTE 3: On the 850 control the Quiet Mode may be configured in group 7.

Press “Edit” to navigate Lockouts options. Quiet Mode should be first.

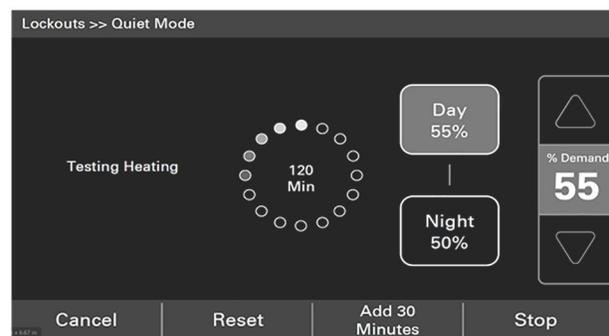
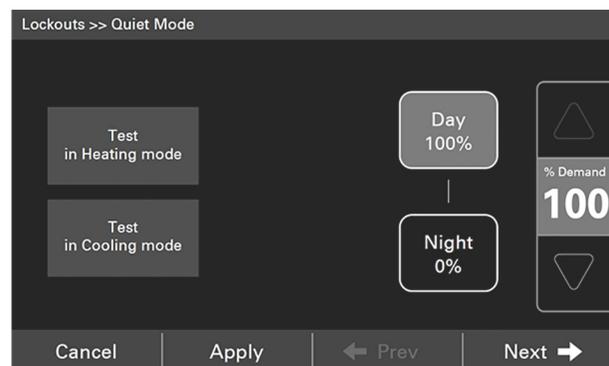
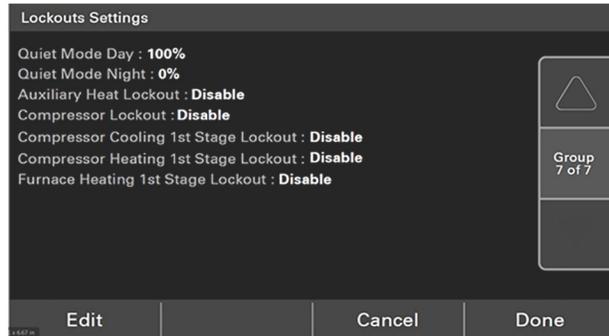
NOTE 4: Quiet Mode is disabled by default in the user menu. Values should be, but are not required to be, configured in the installer set-up menu before enabling Quiet Mode. If Quiet Mode is enabled without the installer configuring the proper settings, the default values will be used. The defaulted Daytime setting has no restrictions and the Nighttime setting is the most restrictive which sets the OD speed at minimum capacity.

NOTE 5: The Quiet Mode % Demand values may be adjusted without starting the Test Mode.

Find the current DB level by running the Test in the mode that the current conditions allow. Wait 20 minutes for system to stabilize. Take sound measurement at property line. Note measured % Demand versus DB level.

Consult % Demand vs. DB chart in the unit specific Service Facts for how much to reduce system % Demand to meet applicable code requirements. Make sure the appropriate Day or Night button is selected. Adjust the % Demand then choose Apply at the bottom of the screen to save the selection. Note % Demand correlation to how much to reduce DB in chart found in the Sound Pressure Level section of the outdoor unit Service Facts.

Validate the adjustment by running the Test again if changes were made to the % Demand. Allow about 5 minutes for the system to settle before retaking sound

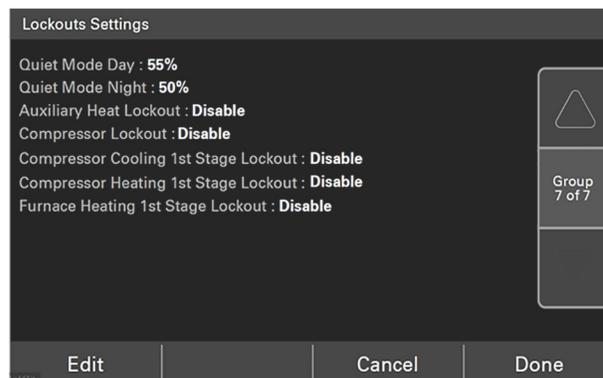
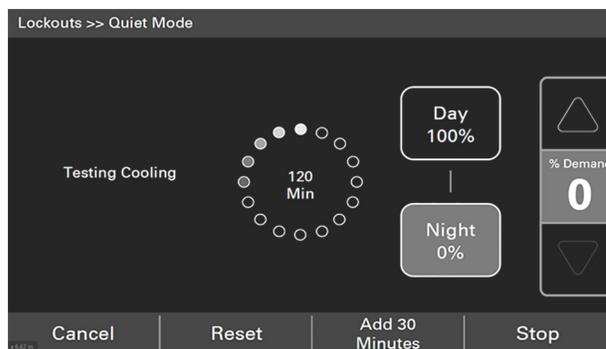


measurements. Repeat as needed.

Example: If you need to change the sound measurement by -5 DB on a unit. Reduce the % Demand setting based on the chart found in your outdoor unit Service Facts. Enter % Demand into Quiet mode adjustment screen. Wait 5 minutes. Verify DB level at property line meets ordinance.

NOTE: Adjustments will need to be made for both the Day and Night percentage values to meet applicable code requirements.

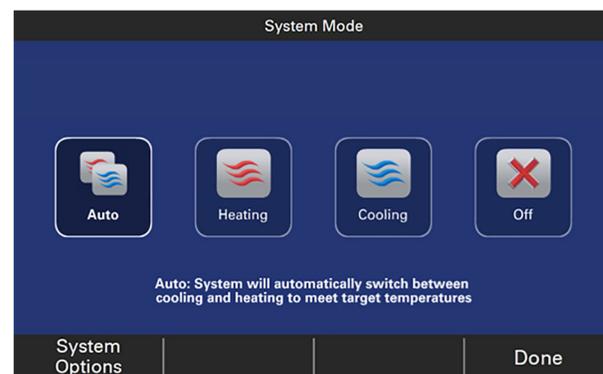
Follow the same procedure to set both Day and Night % Demand values.



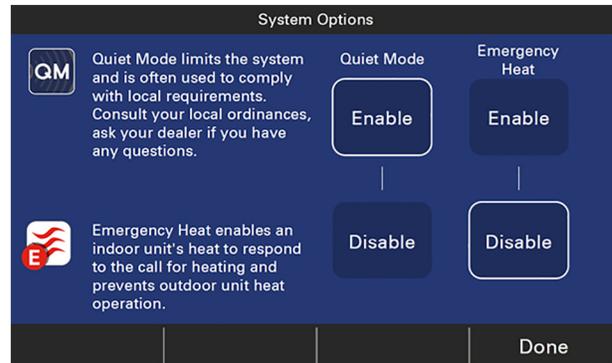
ENABLING QUIET MODE ON THE THERMOSTAT

To enable from Home Screen press System Mode> System Options>Enable in Quiet Mode options.

NOTE: Quiet Mode function can be Enabled and Disabled by the homeowner or installer.



If system is a variable speed system the Quiet Mode option is shown. The home owner may Enable or Disable the option.



Quiet Mode is Disabled by default.

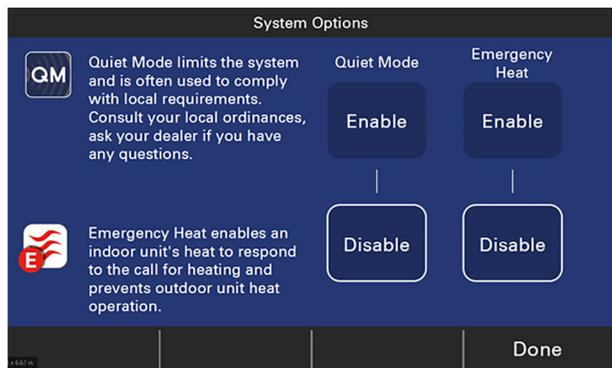


Illustration shows the QM icon for Quiet Mode.



About Trane and American Standard Heating and Air Conditioning
Trane and American Standard create comfortable, energy efficient indoor environments for residential applications. For more information, please visit www.trane.com or www.americanstandardair.com

The manufacturer has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.