



Part Number P274-0150

IMPORTANT: Read entire instructions before programming the thermostat.

GENERAL

Totaline® thermostats are wall-mounted, low-voltage thermostats which maintain room temperature by controlling the operation of an HVAC (heating, ventilation and air conditioning) system using separate heating and cooling set points and auto-changeover capability.

Batteries are not required. During power interruption the internal memory stores set points indefinitely.

OPERATION

Thermostat Display — The thermostat display is located in the top center of the thermostat. See Fig. 1. The following information can be displayed on the screen:

- mode (OFF, COOL, AUTO, or HEAT)
- fan setting (ON or AUTO)
- room temperature
- desired temperature
- clean filter status
- outdoor temperature (optional)

Thermostat Buttons and Operation — The Up and Down Arrows are used to change the current, desired temperature set point. The Up and Down Arrows are accessible from the outside of the thermostat. Press the up or down arrow. The LCD readout will be illuminated and the heating or cooling temperature set point will be displayed, but will not change. HEAT, or COOL next to the temperature display indicates which temperature set point is being displayed. Continue to press up or down arrows until desired heating or cooling temperature set point is displayed. Press the Mode button to select the second temperature setting (either HEAT or COOL).

NOTE: Your COOL setting must be at least 2 degrees higher than the HEAT setting. The thermostat will automatically change the previously set temperature to maintain that 2-degree difference.

FAN BUTTON OPERATION — The Fan button selects fan operation. When the fan is set to ON, the fan will run continuously for improved air circulation. The FAN icon will be displayed on the LCD. When the fan is set to AUTO, the fan will run during heating and cooling operation only and provides energy savings.

MODE BUTTON OPERATION — The Mode button selects the operating mode of the thermostat. If OFF is selected, the thermostat will not enter Heating or Cooling mode. If HEAT is selected, the thermostat will only enter Heating mode (if the room temperature is below the heating set point). If COOL is selected, the thermostat will only enter Cooling mode (if the room temperature is above the cooling set point). If AUTO is selected, the thermostat will enter Heating or Cooling mode based on the room temperature and the heating and cooling set points.

Auto-Changeover — When the thermostat mode is set to AUTO, the thermostat will provide automatic changeover from Heating to Cooling mode and Cooling to Heating mode when required. The thermostat will automatically switch to maintain the desired temperature setting. The thermostat does not need to be manually changed from heating to cooling or cooling to heating operation.

When the auto-changeover mode is selected, a change from heat to cool (or vice versa) will not occur until an opposite mode demand has existed for 20 minutes. If the set point is changed, the 20-minute requirement is ignored.

NOTE: It is recommended that auto-changeover mode not be used if the outdoor temperature is consistently lower than 50 F or greater than 80 F. In these cases, select Heating or Cooling mode only.

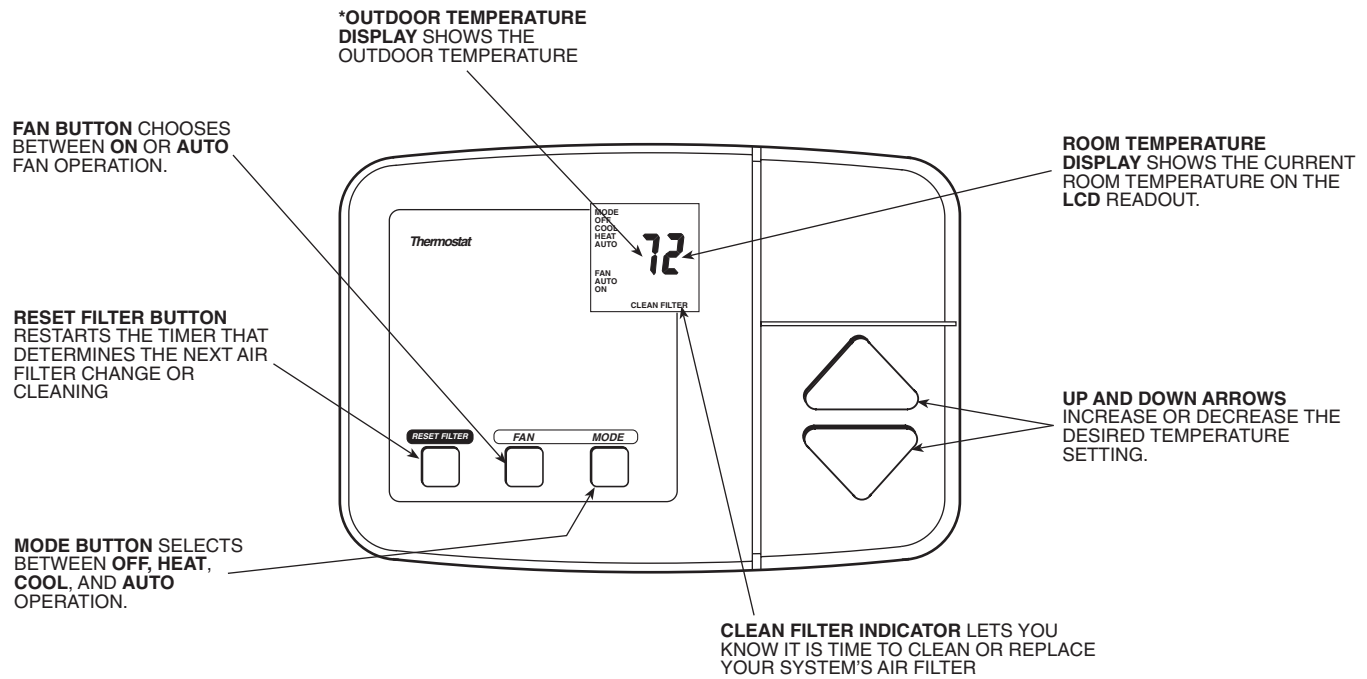
Reset Filter — The CLEAN FILTER icon reminds the user when it is time to change or clean the filter of the unit. The Reset Filter function is initiated by Pressing the RESET FILTER button after you have changed or cleaned your filter to restart the timer. The Reset Filter function is used to clear the CLEAN FILTER icon on the display screen.

Display Outdoor-Air Temperature — When the Up and Down Arrows are pressed at the same time, the display will show the temperature of the sensor wired to the thermostat. The display then returns to normal. If a sensor is not connected, then "--" is displayed.

The valid temperature range for the outdoor-air sensor is -38 to 145 F.

POWER OUTAGE — An internal power source maintains the desired temperature settings indefinitely.

System Error — The temperature sensor failure indicator sends a -- reading to the LCD display. This indicates your thermostat's internal or outdoor temperature sensor is no longer able to measure temperatures. An E2 reading on the LCD display means there is not enough voltage for the system to operate.



*AVAILABLE AS AN ACCESSORY.

NOTE: Not all messages displayed in the above illustration will appear at once in any situation.

Fig. 1 — Thermostat Display and Buttons



**RESIDENTIAL THERMOSTAT
LIMITED FIVE-YEAR WARRANTY**

FIVE-YEAR WARRANTY — This CARRIER CORPORATION product is warranted to be free from defects in material and workmanship under normal use and maintenance for a period of five years from the date of original installation. A new or remanufactured part to replace the defective part will be provided without charge for the part itself, through a qualified servicing CARRIER CORPORATION dealer or service, PROVIDED the defective part is returned to our distributor. The replacement part assumes the unused portion of the warranty.

THIS WARRANTY DOES NOT INCLUDE ANY ADDITIONAL LABOR ALLOWANCE OR OTHER COSTS incurred for diagnosis, repairing, removing, installing, shipping, servicing, or handling of either defective parts or replacement parts. SUCH COSTS MAY BE COVERED BY a separate warranty provided by the installer.

LIMITATIONS OF WARRANTIES — ALL IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY) ARE HEREBY LIMITED IN DURATION TO THE PERIOD FOR WHICH THE LIMITED WARRANTY IS GIVEN. THE EXPRESSED WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON WHATSOEVER.

CARRIER WILL NOT BE RESPONSIBLE FOR:

1. Normal maintenance as outlined in the installation and servicing instructions or owner's manual.
2. Damage or repairs required as a consequence of faulty installation or application by others.
3. Failure to start due to voltage conditions, blown fuses, open circuit breakers or other damages due to the inadequacy or interruption of electrical service.
4. Damage or repairs needed as a consequence of any misapplication, abuse, improper servicing, unauthorized alteration, or improper operations.
5. Damage as a result of floods, winds, fires, lightning, accidents, corrosive atmosphere, or other conditions beyond the control of CARRIER CORPORATION.
6. Parts not supplied or designated by CARRIER CORPORATION.
7. CARRIER CORPORATION products installed outside the continental U.S.A., Alaska, Hawaii, and Canada.
8. Electricity or fuel costs or increases in electricity or fuel costs from any reason whatsoever including additional or unusual use of supplemental heat.
9. ANY SPECIAL INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER. Some states do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply to you.

Model No.	Unit Serial No.
Date of Installation	Installed by
Name of Owner	Address of Installation

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discontinue, or change at any time,
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and without incurring obligations.

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