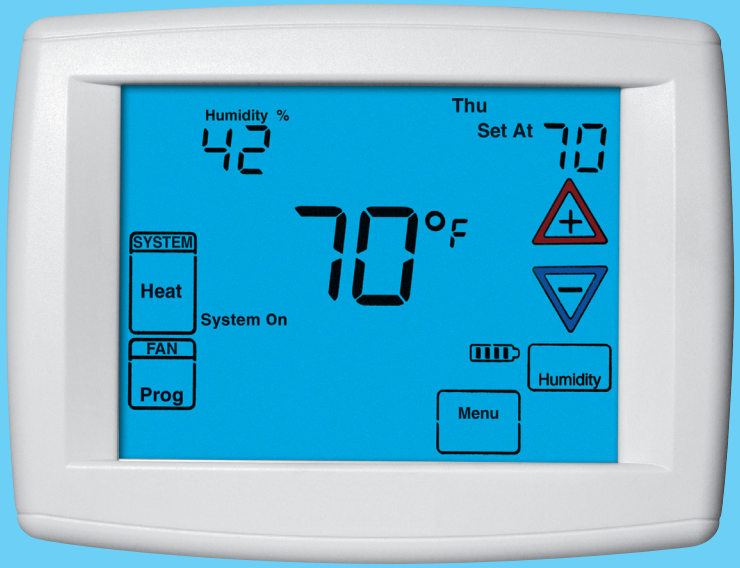
Quick Set-up Thermostat Guide

Touchscreen Programmable Thermostats



for MODELS:

*HC-TST305UNMS • *HC-TST314UNMS • *HC-TST412MDMS • *HC-TST422DFMS
*HC-TST501CMMS (programming section only)

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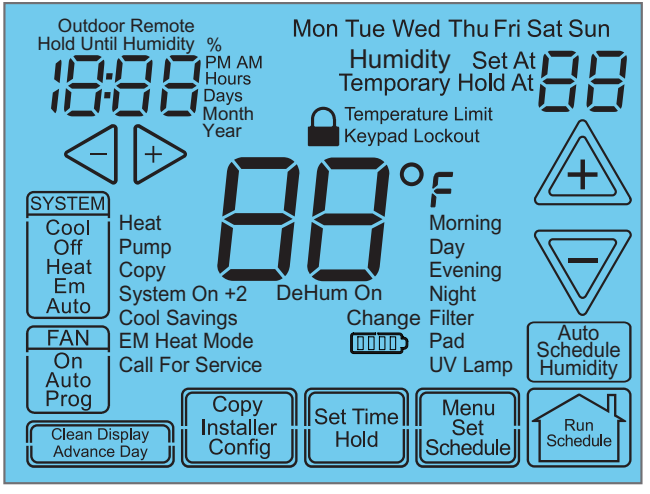
Quick Set-Up Guide for Touchscreen Thermostats

NOTE: These instructions are to be used for very basic installation only; they are intended to help the installer to quickly set-up for basic operation and not set-up special features.

Installation Instructions for models:

- *HC-TST305UNMS
- *HC-TST314UNMS
- *HC-TST412MDMS
- *HC-TST422DFMS
- *HC-TST501CMMS(programming section only)



SYSTEM/REMOTE SENSOR CONFIGURATION

Installer, please perform the following steps.

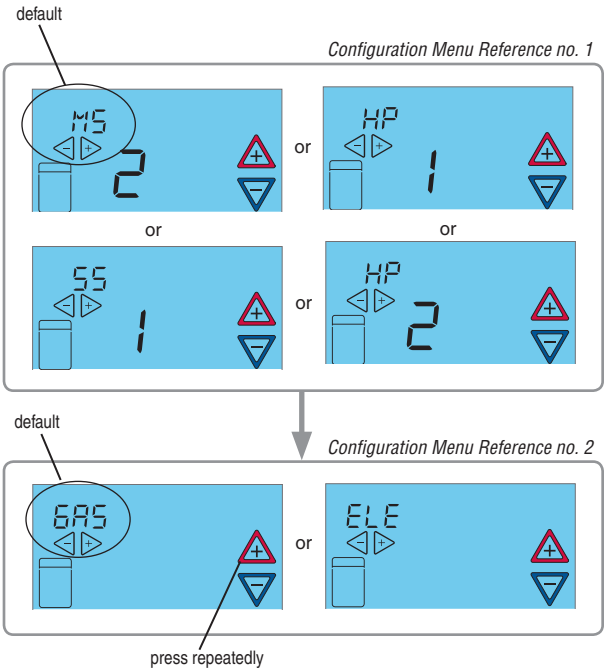
1. Press the Menu touch key.
2. Press and hold for 5 seconds the Installer Config touch key.
3. This displays Menu Reference number 1 from the Installer Configuration Menu. The default is **MS2** (Multi-stage selection). Use the ◁ or ▷ touch keys to select to make a selection of system type.
4. Press ⚠ once to continue to Menu Reference number 2 (GAS or ELE).
5. The default is **GAS** (gas furnace selection. Use the ◁ or ▷ touch keys to select **ELE** (Electric furnace selection).
6. Press ⚠ repeatedly to change to the Remote sensor screen.

   Menu Reference item no. 25 for:

   *HC-TST314UNMS
   *HC-TST412MDMS
   *HC-TST422DFMS

   Menu Reference item no. 27 for:

   *HC-TST305UNMS

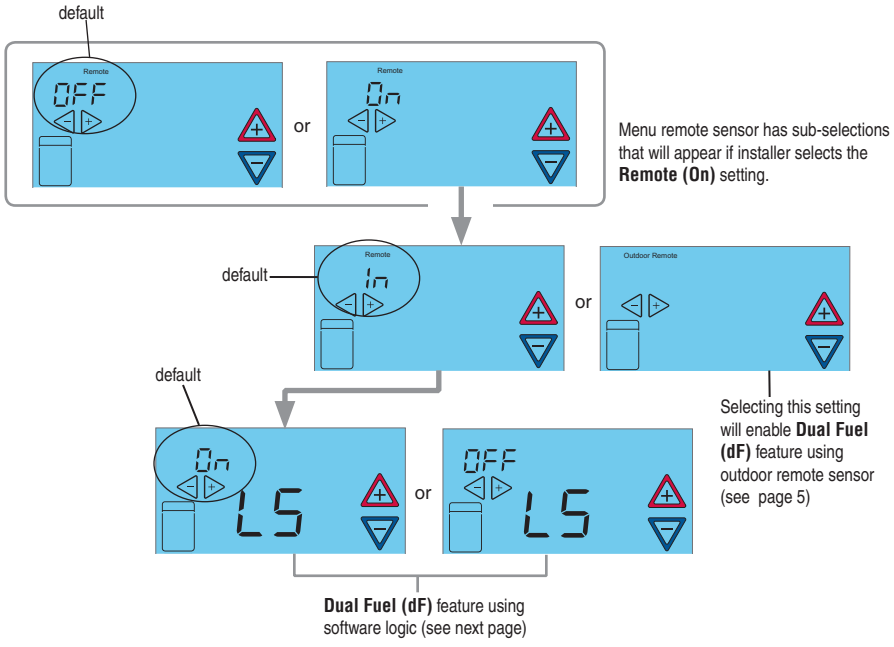


SYSTEM/REMOTE SENSOR CONFIGURATION

7. The default is **Remote OFF** for (remote sensor disabled). If no change is required, then press ⚠ once to move to the next Menu Reference number; otherwise, use the ◁ or ▷ touch keys to select **Remote On** (enables the remote sensor).

8. Press ⚠ once to move to Menu sub-selection for setting remote sensor location. The default is **Remote In** (Indoor remote sensor). Use ◁ or ▷ touch keys if **Outdoor Remote** (Outdoor remote sensor) is desired.

9. Press ⚠ once. If **Remote In** sub-selection will change to choose local sensor. Default is **Ls On** – Local sensor enabled. Use ◁ or ▷ touch keys to change to **LS OFF** – Local sensor disabled.



NOTES

A. Menu selection will skip Dual Fuel setup if Menu Reference number 1 was not changed to HP1 or HP2. If HP1 or HP2 was selected, then Menu selection for Dual Fuel using software logic or Dual Fuel using outdoor remote sensor will appear on the display depending on the remote sensor selection.

B. Press Run Schedule touch key to exit the Installer Configuration Menu.

DUAL FUEL CONFIGURATION

Dual Fuel Using Software Logic (No outdoor sensor)

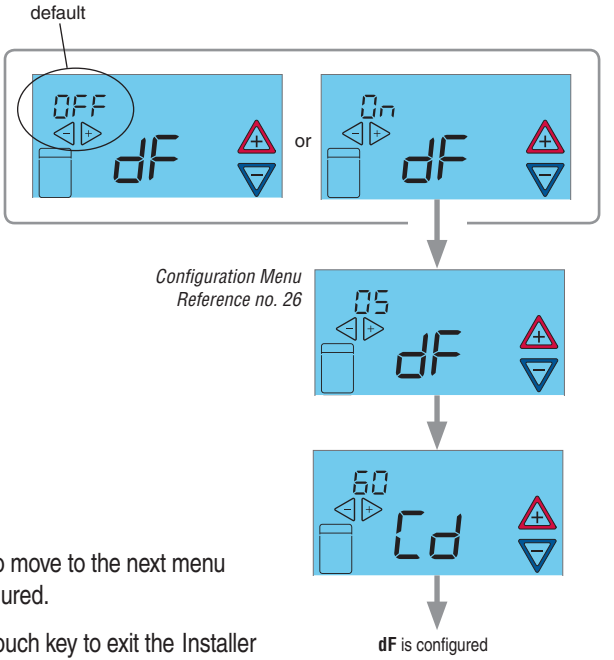
Menu Reference item no. 26 for:

*HC-TST314UNMS
*HC-TST412MDMS
*HC-TST422DFMS

Menu Reference item no. 28 for:

*HC-TST305UNMS

1. With Remote sensor **OFF**, press ⚠ to display Menu Reference item **dF** (Dual Fuel feature using software logic).
2. The default is **dF OFF** for Dual Fuel feature disabled. Use the ◁ or ▷ touch keys to select **dF On** to enable the Dual Fuel feature using the software logic.
3. Press ⚠ once to move to sub-selection: **dF 05**. Use the ◁ or ▷ touch keys to set the dual fuel setpoint.
4. Press ⚠ once to set **Cd** (Compressor delay). After the Auxiliary heat is turned on, the compressor shutdown is delayed for the time selected (default is 60 seconds).
5. Press ⚠ once to move to the next menu item, **dF** is configured.
6. Press the Run Schedule touch key to exit the Installer Configuration Menu.



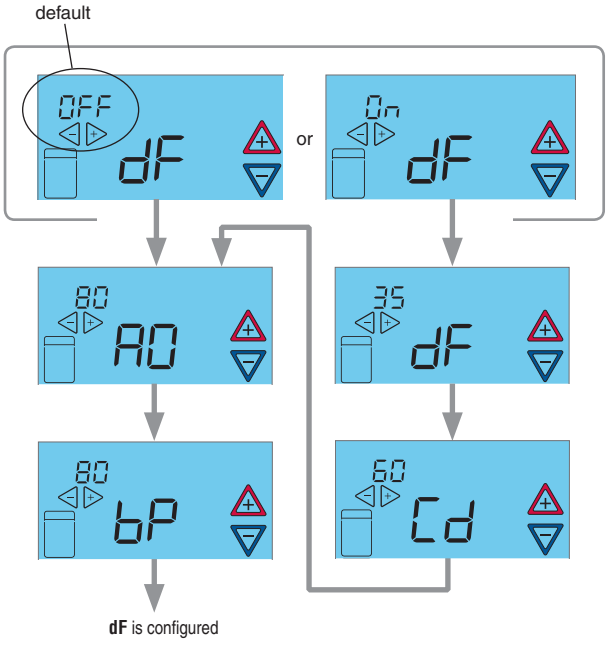
DUAL FUEL CONFIGURATION

Dual Fuel Using Outdoor Remote Sensor

Menu Reference item no. 29 for:
*HC-TST305UNMS

Dual Fuel (dF) On

1. In Menu Reference number 26, use the ◁ or ▷ touch keys to select **Remote On**. This enables the remote sensor.
2. Press ⚠ once to move to sub-selection: **Remote In**. Use the ◁ or ▷ touch keys to select **Outdoor Remote,** this sets the sensor to outdoor.
3. Press ⚠ to move to Menu Reference number item **dF**.
4. The default is **dF OFF**. Use the ◁ or ▷ touch keys to select **dF On**; this enables the dual fuel feature using the outdoor remote sensor.
5. Press ⚠ once to move to sub-selection **dF 35**. Use the ◁ or ▷ touch keys to change the dual fuel setpoint above or below 35°F; the thermostat will change the system over to gas heat from heat pump when the temperature falls below the setpoint.



DUAL FUEL CONFIGURATION

6. Press ⚠ once to set **Cd** (Compressor delay). After the Auxiliary heat is turned on, the compressor shutdown is delayed for the time selected (default is 60 seconds).
7. Touch ⚠ once to display **Auxiliary Off (AO)**. Using ◁ or ▷ touch keys set the temperature to 80°. As long as the outdoor temperature is above the selected temperature, the auxiliary heat will not turn on.
8. Pressing ⚠ once will enable the **Blower Balance Point (bP).** Toggle ◁ or ▷ to set the **bP** to 80°, this feature de-energizes the DHM terminal to operate the blower at a slower speed for first stage heat when the outdoor temperature is below the temperature selected.
9. Press ⚠ once to move to next menu item. **Dual Fuel (dF)** is configured.
10. Press the Run Schedule touch key to exit the Installer Configuration Menu.

Dual Fuel (dF) OFF

1. With remote sensor enabled and **dF(OFF)**, pressing ⚠ once will change to **Auxiliary Off (AO)**. As long as the outdoor temperature is above the selected temperature, the auxiliary heat will not turn on. Using ◁ or ▷ touch keys, set the temperature, default is 80°.
2. Pressing ⚠ once will enable the **Blower Balance Point (bP).** Toggle ◁ or ▷ to set the bP. This feature de-energizes the DHM terminal to operate the blower at a slower speed for first stage heat when the outdoor temperature is below the temperature selected. Default is 80°.
3. Press ⚠ once to move to next menu item. **Dual Fuel (dF)** is configured.
4. Press the Run Schedule touch key to exit the Installer Configuration Menu.

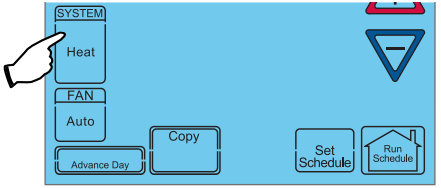
PROGRAMMING YOUR THERMOSTAT

1. Press the Menu touch key.

2. Press the Set Schedule touch key.

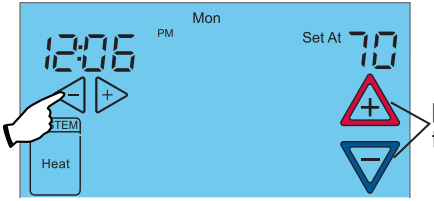
3. Press the SYSTEM Heat touch key to select **"Heat"** programming.

NOTE: You can switch to **"Cool"** mode by pressing the **System** touch key at a time.

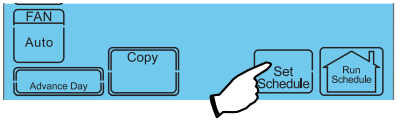


3.1. Press + or − touch keys to change the temperature to your selected temperature for the 1st heating period.

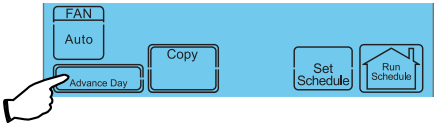
3.2. Press ◁ or ▷ touch keys to adjust to start time for the period. The time will change in 15 minute increments.



4. Press the Set Schedule touch key to advance to the next program period and repeat steps until all the program times and temperatures are set for all program periods on that day.



5. Press the Advance Day touch key to advance to the next program period and repeat steps until all the program times and temperatures are set for all program periods on that day.

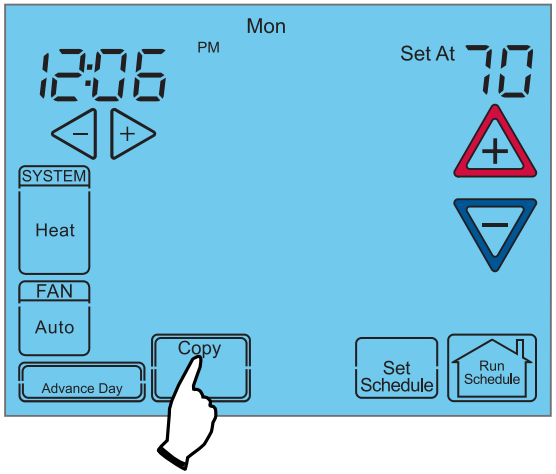


PROGRAMMING YOUR THERMOSTAT

When programming your thermostat, you may copy the program from one day to another day or group of days using the Copy *key. In 7-day programming mode, a day can be copied to another day or all six other days. In 5/1/1 day programming mode the weekday (Mon-Fri) program can be copied into Sat and Sun or either Sat or Sun.*

To Copy a Program from day to another

1. In Set Schedule mode, enter the program for the day or select the day you wish to copy by pressing Advance key.
2. Press Copy. The display will show **"Copy"** next to the SYSTEM key and the day of the week that will be copied.
3. Press Advance Day. The day being copied will be indicated and the other days will be flashing.
4. If you wish to copy to all days skip to next step or press Advance Day until the day you wish to copy to is flashing.

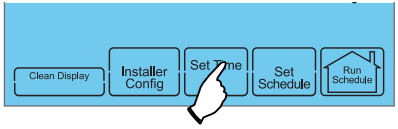


5. Press Copy. **"Copy"** will disappear, the day you copied from will disappear and the day(s) you copied to will be on.
6. If you wish to copy this same program into other day, press Copy and repeat steps 3, 4, and 5.
7. Press Run Schedule touch key to return to normal operation.

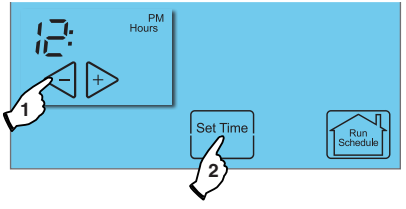
SET CURRENT TIME AND DAY

On Home Screen display, touch the Menu key to display additional key choices.

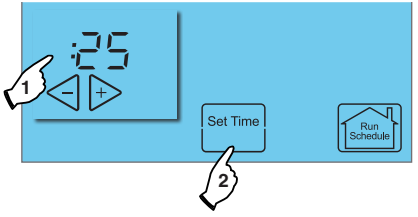
1. Touch Set Time once to display hour and AM or PM designation in clock display.



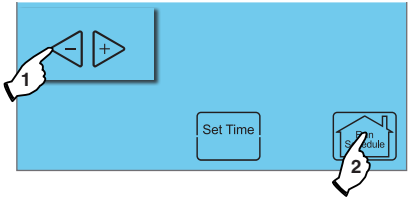
2. Touch either the − or + key until you reach the correct hour and AM or PM designation.
   Then touch Set Time again to display minutes only in clock display.



3. Touch and hold either the − or + keys until you reach the correct minutes. Then touch Set Time once again to display the day of the week.



4. Touch either the − or + key until you reach the correct day.
   Touch Run Schedule to save the Time and Day settings and return to the Home Screen display.



Choose the System Setting (Cool, Off, Heat, Em, Auto)

Touch the SYSTEM key to select:

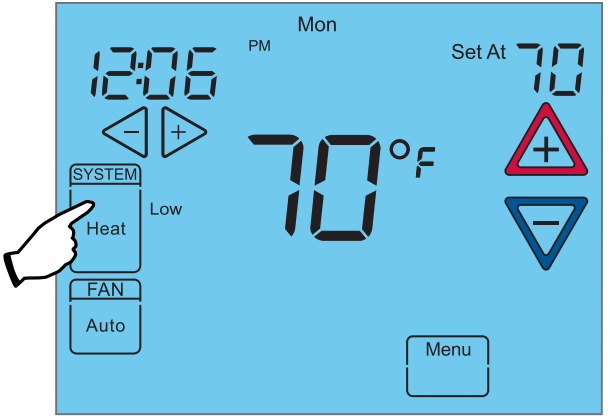
Cool: Thermostat controls only the cooling system.

Off: Heating and Cooling systems are off.

Heat: Thermostat controls only the heating system.

Em: Thermostat controls emergency heating only.

Auto: Auto Changeover is used where both heating and cooling may be required during the same day. Auto allows the thermostat to automatically select heating or cooling depending on the indoor temperature and the selected heat and cool setpoints. This thermostat will not allow you to program a conflict between Heating and Cooling setpoints.



Energy Saving Factory Pre-Program

This touchscreen thermostat is programmed with the energy saving settings shown in the table below for all days of the week. If this program suits your customer's needs, simply touch the

key.

Factory Pre-Programmed heating and cooling Schedule for all days of the week								
Program	Wake Up (Morning)		Leave For Work (Day)		Return Home (Evening)		Go To Bed (Night)	
Heating Program	6:00 AM	70°F	8:00 AM	62°F	5:00 PM	70°F	10:00 PM	62°F
Cooling Program	6:00 AM	75°F	8:00 AM	83°F	5:00 PM	75°F	10:00 PM	78°F