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Congratulations!

Welcome to the Hunter energy saving family of quality products.

Your Hunter Programmable Thermostat allows you to find your maximum comfort level using the least amount of fuel. Through smart programming, this thermostat should pay for itself during its first season of use.

Thank you for buying Hunter products!

Hunter Consumer Service Hotline
Weekdays 8 AM to 5 PM Central Standard Time
901-745-9222

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Read This Before Installing Thermostat

IMPORTANT

- 1 Read the installation section before installing or operating thermostat.

SELECTING PROGRAMS

- 2 You can practice setting time and selecting programs before installing your thermostat by inserting the batteries as shown on page 9, and following the instructions on page 10.

OPERATION

- 3 Your Hunter Thermostat is designed to operate with all low voltage gas, oil, electric or forced hot water heating and air conditioning systems. These have 24-volt or

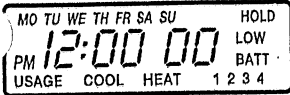
millivolt controls and represent most central heating and air conditioning units in use in the United States.
This Hunter Thermostat will not control multi-stage heating or cooling systems.

COMPRESSOR PROTECTION

- 4 A 4-minute delay switch will prevent damage to your air conditioner compressor caused by rapid cycling.

BATTERY WARNING

- 5 When the batteries are low, "LOW BATT" indicator on the display will flash. When this happens, install new batteries. Batteries are the only power source for the thermostat.

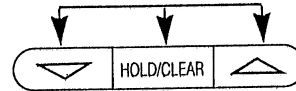
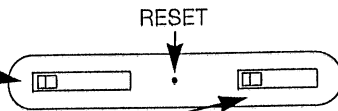


Display shows time, day, temperature, PM, program number, and hold.

Manual override buttons—to raise, lower, hold and clear manual override temperature setting.

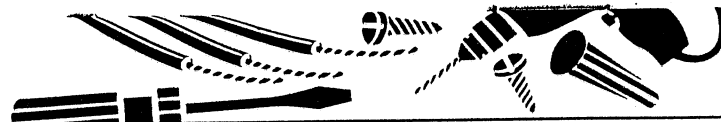
Function switch for automatic heat/cool, heat or cool operations. OFF AUTO COOL HEAT

Manual switch for automatic or continuous fan operation. AUTO FAN



For entering hour of day
 For entering minute of hour
 For entering day of week
 For reviewing or entering weekday and weekend program number from the pre-programmed table
 For selecting the program number from the table
 To review current program settings

Installation



Tools Required: ■ Slotted Screwdriver ■ Electric drill and 3/16" bit ■ Hammer

Remove Old Thermostat

CAUTION: Do not remove wiring from existing thermostat before reading the instructions carefully.

Wires must be labeled prior to removal.

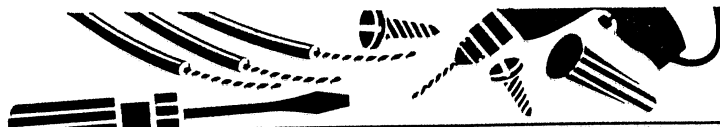
- 1 Turn your existing thermostat to OFF position. Turn off the power to the furnace at the main power panel to avoid electrical shock.
- 2 Carefully remove existing thermostat cover and thermostat.
- 3 Each wire is connected to a terminal point on that thermostat. Each terminal point is coded with a letter as shown in Table A. Apply the self adhesive labels (provided) to the wires as shown in Table A.

For 2 wire, heat only systems, simply connect either

of the wires to the "RED" terminal on your Hunter thermostat. Then connect the other wire to the "WHITE" terminal on your thermostat to complete the circuit.

Do not label or use wires that were not connected to the old thermostat.

- 4 After labeling wires, disconnect them from the existing thermostat terminals.
- 5 Remove existing wallplate. To make sure wires do not fall back into wall opening, you may want to tape them to the wall.
- 6 If hole in wall is larger than necessary for wires, seal this hole up, so no hot or cold air can enter the back of the thermostat from the wall. This air could cause a false thermostat reading.



Wire Labeling

Match the labels to the wires according to chart

NOTE: 5-Wire Systems

If your existing thermostat has separate wires going to terminals marked "R" and "RH," do this simple test—momentarily turn the main power on. Lightly scratch the two wires together, (Because this is only a 24V system, there is no danger in performing this test) then be sure to turn the power off again. If you saw a spark call 901-745-9222 for further information. If there was no spark simply connect **both** these wires to terminal marked "RED" on your thermostat. Connect only the wires that were connected to your old thermostat to your new thermostat.

TABLE A

If the code letter on your existing thermostat is then mark wire with label shown and connect to thermostat Terminal shown

RH, RC, R, M, VR, VC or 4 24 Volt		R
G or F Fan		G
Y or C (See Note) Air Conditioning		Y
W or H Heating		W

NOTE: Do not connect a "Common" wire (sometimes labelled "C") to any terminal on this thermostat. Tape it.

Mount Thermostat Wallplate

Snap open the wallplate from your Hunter thermostat. Disconnect battery and lead wire terminal connectors.

Position wallplate on wall and pull existing wires through large opening. Level thermostat by pressing tabs on side gently and lifting upward. Use any two of the many rectangular holes provided on the wallplate for mounting. Mark holes for plastic anchors provided if existing holes do not line up with Hunter thermostat holes. (Figure 2)

Drill 3/16" holes and gently tap anchors into the holes until flush with wall.

Reposition wallplate to wall, pulling wires through large opening, insert mounting screws provided into wall anchor and tighten.

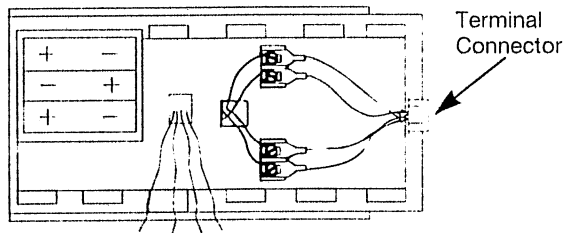
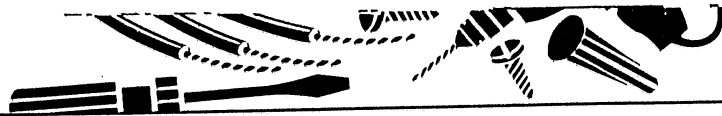


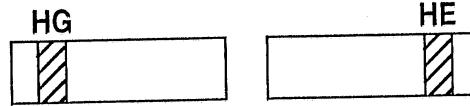
Figure 2



Heating Systems Selector

The heating system selector is a switch on the Printed Circuit Board. The switch is at "HG" position. Leave it in this position if you have a gas furnace or an oil burner.

If you have an electric furnace, check to see if the heat comes on when called for and that the blower fan will also come on. If either do not, then change the switch to the "HE" position. If the heat and fan come on normally as expected, then leave the switch in the "HG" position. The system selector has no effect in the cooling mode.



Connect Wires and Mount Thermostat Cover

- 1 Match and connect the labeled wires to the appropriate coded terminal screws on the mounting plate (Figure 4).
- 2 Push excess wire back into hole to prevent interference with mounting of Thermostat cover.
- 3 Insert three 1.5V AA batteries, observing the polarity marked on the unit.
- 4 Make sure the OFF - AUTO - COOL - HEAT switch is in OFF position and FAN - AUTO switch is in AUTO position. Push battery and lead wire connectors to their sockets. (See Figures 4 and 5).
- 5 Line up the thermostat cover with top of wallplate, rotate cover down and snap in place.
- 6 Switch on the main power. Press the reset button to reset and start the clock. Use a thin probe such as a straightened paper clip to push gently the reset button through the hole in the front panel (Figure 6). The LCD display should read 12:00 MO and show the current room temperature of your house. **If it shows random numbers, or partial digits, press the reset button once again.**
- 7 If you haven't already done so, remove the mylar label from the display window.

Spade Terminal

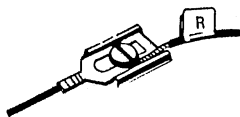


Figure 3

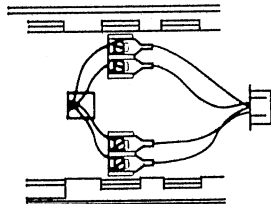


Figure 4

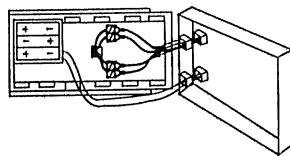


Figure 5

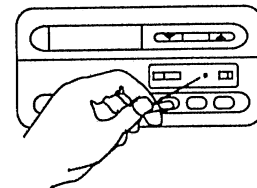


Figure 6

IMPORTANT: READ BEFORE YOU BEGIN TO PROGRAM

- 1 Turn on main power switch.
- 2 Remove mylar label covering display window.
- 3 Insert probe to gently push the reset button through the hole in the front panel. The LCD display should read 12:00 MO and show the current room temperature of your house. If it shows random numbers, or partial digits, press the reset button once again.
- 4 The PM indicator will appear between 12:00 noon and 11:59 p.m. There is no AM indicator.
- 5 When the heating or cooling system is actually operating, "HEAT" or "COOL" will appear on the display.

Setting the Time and Day of Week

To set time and day:

EXAMPLE:
If the unit is being installed at 9:15 p.m., Saturday, to set the thermostat, you would press the keys in the shown sequence.

		<ul style="list-style-type: none"> ■ Initial read-out after pressing reset button. ■ Current room temperature is 72°. ■ No indication of program number.
HOUR		<ul style="list-style-type: none"> ■ Press once. Temperature digits disappear, show time set mode.
HOUR		<ul style="list-style-type: none"> ■ Press and hold until 9:00 p.m. appears on display.
MIN		<ul style="list-style-type: none"> ■ Press and hold until 15 minutes appears on display.
DAY		<ul style="list-style-type: none"> ■ Press 5 times until Saturday appears on display.
		<ul style="list-style-type: none"> ■ Returns to normal time and temperature in 10 seconds.

Weekday Program

**WEEKDAY
WEEKEND**

MO TU WE TH FR
F1
HEAT COOL

■ Displays Mo to Fr for weekdays and current program number.

PROG
▲

MO TU WE TH FR
15

■ Press and hold until program number 15 appears.

PM **9:15** ^{SA} **72**

■ Returns to normal time in 10 seconds.
■ Program #15 is selected for weekdays.
■ Program selection is complete.

Weekend Program

**WEEKDAY
WEEKEND**

MO TU WE TH FR
15
HEAT COOL

■ Displays current weekday program number.

**WEEKDAY
WEEKEND**

SA SU
F1
HEAT COOL

■ Displays current weekend program for weekends.

PROG
▲

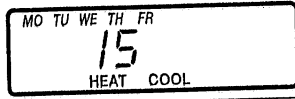
SA SU
32

■ Press and hold 32 is displayed.

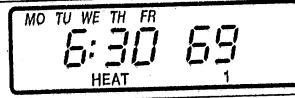
PM **9:15** ^{SA} **72**

■ Returns to normal time in 10 seconds.
■ Program #32 is selected for weekends.

To Display the Programs



■ Displays current program number for weekdays.



■ Weekday Program 1, for heat.



■ Weekday Program 2, for heat.

Continue pressing until you review all weekday and weekend programs.

• If not pressed for 10 seconds, the display will return to normal time and current room temperature.

NOTE 1: The thermostat program will NOT take effect immediately after selecting a program number but at the next programmed time/temperature change. The Thermostat is pre-set to F1 Program, 68 F for heat and 78°F for air conditioning. So if you want a temperature other than 68°F or 78°F right away, use the temporary manual override feature (described on page 19) to enter your desired temperature setting.

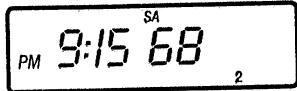
When your program becomes effective at the next time/temperature setting, the appropriate corresponding program number will appear on the display.

After programming, confirm the new programs by pressing



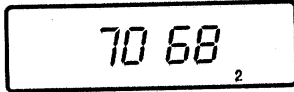
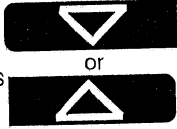
NOTE 2: If the thermostat is already in the program mode and if you change the current program number by selecting a new program number, the temperature settings of new program will not be effective until next time/temperature setting. Until then, you can use temporary manual override and when the next program time comes, the new setting will go into effect.

To Review The Temperature Setting For The Current Program Period:



■ Current time and temperature.

Press for 2 seconds or less:



- 70 indicates the current setting of the thermostat is 70°F. 68 shows the present room temperature as 68°F.
- If held for more than 2 seconds, you will manually override your present temperature to a new setting as explained below.

Manual Override of Program

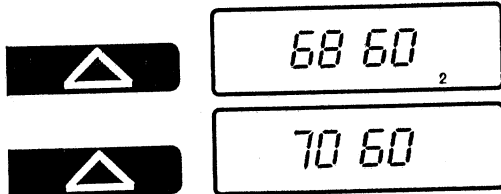
If You Want to Change the Temperature Without Affecting Your Program:

Press and hold  to raise temperature. Press and hold  to lower temperature.

Temporary Manual Override

NOTE: Temporary Manual Override will not take place in F1, F2 and F3 programs.

In the following example, the present room temperature is 60°F and we want to raise the temperature to 70°F temporarily until the next program.



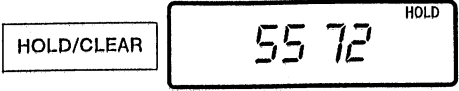
- Press arrow to display current set and room temperatures.
- Continue pressing arrow. After 2 seconds, the set temperature digits will blink and begin to increase until the button is released at the desired setting (in this case 70°F).
- Program number disappears.
- Press return or in 15 seconds it will return to showing current time and temperature.

- To display a manual override setting, press either arrow for less than 2 seconds.
- When arrow is released, the display will show current time and temperature.

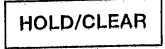
■ Your thermostat is now in manual override mode to 70°F until the next program indicator number has disappeared until the next program time comes into effect.

To Hold Permanent Manual Override

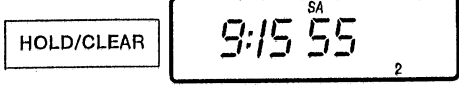
In the event you wish to hold your manual override for vacation or just an extended period of time, follow the temporary manual override instructions above, then **immediately** press HOLD/CLEAR.



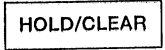
This will maintain override setting indefinitely. "HOLD" will appear on the display.



To Return
To Program*



■ To return immediately to the current program, press HOLD/CLEAR until program number appears. "HOLD" will disappear if you were in permanent manual override.



*From temporary or permanent manual override state)

Other Features

Temperature Span

Our thermostat is pre-programmed at the factory to cycle when the temperature rises 1° above

or 1° below the temperature setting. It cannot be changed.

Automatic Mode

If your function slide switch (heat-cool-auto-off) is in auto mode, the heating or cooling system will automatically switch depending upon heating and cooling temperature settings of the selected program.

In manual override mode, the system will not switch automatically but will control either heating or cooling system depending upon the system that was last run.

Problem

Solution

SCRAMBLED OR DOUBLE DISPLAY (numbers over numbers)	1. Remove clear mylar sticker.
NO DISPLAY	1. Check battery connections and batteries. 2. Press reset button once with a small pin and hold in for two seconds.
ENTIRE DISPLAY DIMS	1. Replace batteries.
PROGRAM DOES NOT CHANGE AT YOUR DESIRED SETTING	1. Check that time is set properly to "AM" or "PM." 2. Check that thermostat is not in "HOLD" mode. 3. Check for correct day setting.
HEAT/FAN DOES NOT COME ON	1. Move HG/HE system selector to opposite position.
HEATING OR COOLING DOES NOT GO ON OR OFF	1. Check that function switch is in correct position ("HEAT" or "COOL"). 2. There may be as much as 20 seconds delay in the thermostat turning the system on - wait and check. 3. Check your circuit breakers and switches to ensure there is power to the system.
HEATING OR COOLING DOES NOT GO ON OR OFF (Continued)	4. Replace batteries. 5. Make sure your furnace blower door is closed properly.
IF TEMPERATURE RISES WHEN AC IS ON/ IF THERMOSTAT CONSISTENTLY READS ROOM TEMPERATURE TOO HIGH	1. Thermister out of place. The thermister is the small red part that should fit in the slot at the bottom of the unit and be exposed to the air.
ERRATIC DISPLAY	1. Press the reset button once with a small pin and hold in for two seconds. Then reprogram.
IF UNIT CONTINUES TO OPERATE IN OFF POSITION	1. Replace unit.
THERMOSTAT READS EE, HI, LO	1. Replace unit.

If you experience any other problems, call 901-745-9222 from 8AM to 5PM Central Standard time.