HUNTER ®

ENERGY MONITOR AC™
PROGRAMMABLE THERMOSTAT
ROOM AIR CONDITIONERS

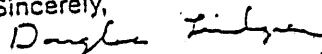## Owner's Manual   Model 42205

Congratulations!

Welcome to the Hunter energy-saving family of quality products. As an energy conscious consumer, you have purchased one of the most advanced designs in micro-electronic thermostat technology.

The Department of Energy has attributed considerable energy savings and lower utility bills to better household energy management. Your Hunter Energy Monitor allows you to find your maximum comfort level using the least amount of energy consumption. Through smart programming, the thermostat should pay for itself during the first full season of use.

This Owner's Manual has been specifically designed to help you install and program your thermostat with easy-to-follow, step-by-step illustrations. So now you can enjoy the same dependable, energy-saving performance that Hunter's fine line of ceiling fans, air-conditioners and dehumidifiers provide.

Thank you for buying Hunter.

Sincerely,

Douglas Lindgren

Douglas Lindgren, President, Hunter Fan Company

Table of Contents

1 Read the entire Owner's Manual thoroughly before you begin to operate your Hunter Energy Monitor Thermostat.

2 You can practice programming before installing your thermostat by inserting and connecting the battery as shown on page 9, and following the instructions on page 9 onward. This is a very good way to familiarize yourself with all the functions of your Hunter Energy Monitor.

4 When the battery is low, the entire display will flash. As soon as this happens install a fresh, new battery. If the battery is not replaced, the display will get dim and your air conditioner will stop operating.

5 Important: When using Energy Monitor, always set your air conditioning unit to the maximum cool position of your window air conditioning control.

3 A built-in timer prevents damage to your air conditioner compressor, caused by rapid cycling, by providing a delay of 4 minutes before it will restart.

If you have questions concerning the installation or programming of the Energy Monitor, call us at 901-745-9222 from 8AM to 5PM Central Time.

Features

The function switch selects Energy Monitor, manual or off position.

Filter review button—usage in hours and minutes.

Reset button for resetting computer back to 12:00 a.m. and clearing all programs.

Display indicates time, day, program number, hold and usage indicator.

Remote Temperature sensor.

120V receptacle.
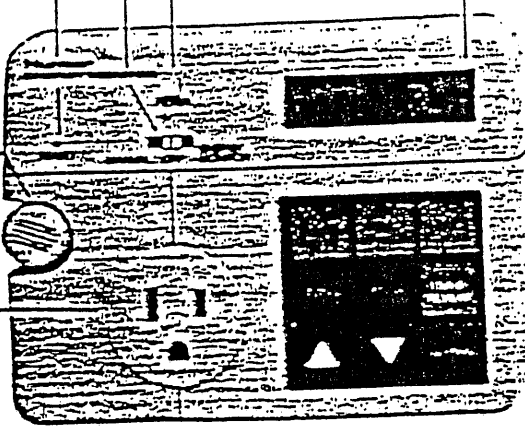
For entering minute of day.

For entering day of week.

For entering hour of day.

Energy Monitor key recalls energy usage today, yesterday and total. LCD shows energy usage in hours and minutes.

For reviewing or entering Weekday and Weekend program cycles.

| HOUR | MIN | DAY |

provides permanent temperature setting by overriding programs, or converts to manual operation of thermostat.
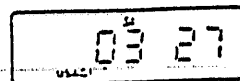
Returns display to current time and temperature. If held for 4 seconds, clears manual override.
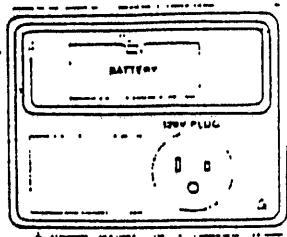
Lead wire for locating sensor to a remote location.
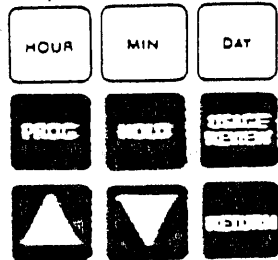
Individual keys for raising or lowering temperature settings.

NOTE: 1) The PM indicator will appear between 12 noon and 11:59 p.m.
2) There is no AM indicator.
3) When the room air conditioner is actually operating, the temperature digits will flash.

Function Switch Explanation

In the "OFF" position room air conditioner cannot be operated

MANUAL ——————— OFF ——————— ENERGY MONITOR
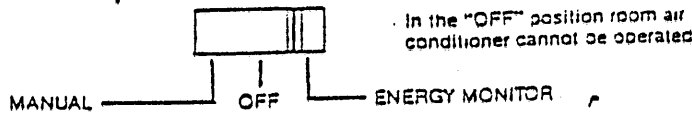
In the "manual" position the Energy Monitor is bypassed and does not take part in controlling your room air conditioner. Operation of the room air conditioner is controlled by the setting of the thermostat on the unit.

Energy Monitor controls your room air conditioner. It will switch on at 2°F above and switch off 1°F below your program temperature.

NOTE: Your Hunter Energy Monitor requires one 1.5 volt battery to power the thermostat. It is essential that you replace the battery whenever the entire display flashes or appears dim. If you do not, the thermostat will quit controlling your system.

Installation

1 Slide MANUAL/OFF/ENERGY MONITOR switch to OFF.

2 Insert 1.5V AA alkaline battery. See Fig. 2.

8 Now plug your air conditioner into the Energy Monitor. See Fig. 1.

9 Set the temperature control of your room air conditioner to

3 The display should read 12:00 a.m., Monday and indicate the room temperature.

4 Program the Energy Monitor as shown on page 10.

5 Unplug your air conditioner from the receptacle.

6 Plug the Energy Monitor into the receptacle. See Fig. 1.

7 Using the double sided tape provided, locate the remote temperature sensor at its highest possible point. Do not locate directly in air flow. Be careful not to locate the wire where it could become a safety hazard. See Fig. 1.

maximum cool position and turn the unit on.

10 Switch Energy Monitor to "Energy Monitor" position.

11 Using manual override feature (page 21) lower the temperature setting 3° or 4°F below room temperature.

The temperature digits will flash, indicating the system is on and your air conditioner should start operating. It will automatically turn off when the room temperature drops 1° below your set point.

SENSOR
THERMO
WALL RECEPTACLE
FIGURE 1

WINDOW A/C

PLACE BATTERY HERE
FIGURE 2

IV
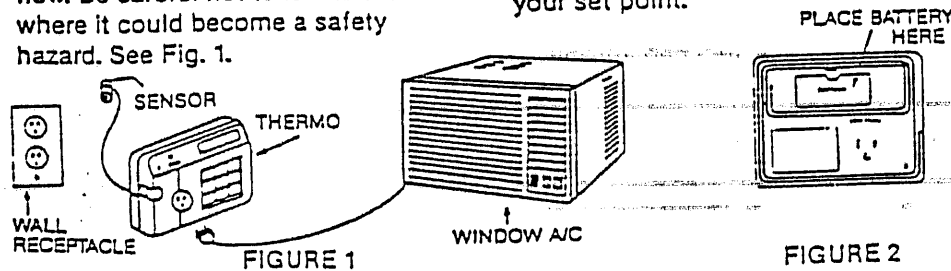
Programming The Energy Monitor First Time

When you first install the battery in your thermostat and after you press reset button, it automatically sets the day and time to Monday, 12:00 a.m., shows the current room temperature, and Filter Indicator.

`12:00 82`

■ Initial read-out after pressing reset button.
■ Current room temperature is 82°.
■ No indication of program number.
■ Filter Indicator is on.
■ There is no a.m. indicator.

Clear Filter Indication

"Filter" indication on the display indicates that you need to clean or change your filter. In order to set your filter usage counter to zero press "Filter" and continue pressing.

FILTER `0:00 00`
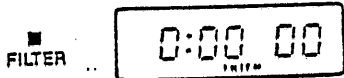
■ After 3 seconds, the counter is reset to zero.

`12:00 82`

■ Thermostat will display time and temp but no filter indication.
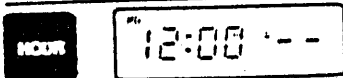
Setting the Time and Day of Week

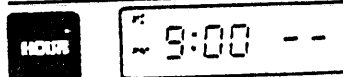When you first install the AA size battery, the thermostat automatically sets the day and time to Monday, 12:00 a.m., shows the current room temperature and is programmed for 78°. The first data you should enter is the current time and day of week. As the keys are pressed, the display will show the data being entered.
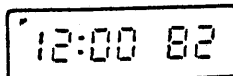
`12:00 82`

■ Initial read-out after pressing reset button.
■ Current room temperature is 82°.
■ No indication of program number.

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:

HOUR `12:00 --`

■ Press once. Temperature digits disappear, indicating time set mode.

HOUR `9:00 --`

■ Press and hold until 9:00 p.m. appears on display.

`9:15 --`
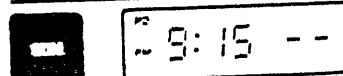
■ Press and hold until 15 minutes appears on display.

~ 9:15 --   ■ Press until Saturday appears
             on display.

~ 9:15 82   ■ Returns to normal time and temperature.
             ■ If return is not pressed it will return
               automatically in 10 seconds.

Typical Suggested Programs

Energy Monitor is capable of holding up to 4 programs for weekdays and 2 programs for weekends.

Suggested weekday programs are shown at the right.

Weekday Program (Mon.-Fri.)		
Weekday Program 1	6:00 AM	78°F
Weekday Program 2	8:30 AM	84°F
Weekday Program 3	3:00 PM	78°F
Weekday Program 4	11:00 PM	80°F

NOTE: The thermostat program will NOT take effect immediately after programming of your Energy Monitor but at the next programmed time/ temperature change. The Energy Monitor is pre-set to 78°F. So if you want a temperature other than 78°F right away, use the manual override feature (described on page 21) 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.

Weekend Program (Sat.-Sun.)		
Weekend Program 1	7:00 AM	78°F
Weekend Program 2	11:00 PM	80°F

NOTE: 1) The program time is set in increments of 15 minutes.
2) The program temperature is set in increments of 1°F.
3) When setting PM time, make sure the "PM" indicator appears on the display.

Programming Your Thermostat (Cont.)
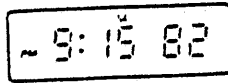
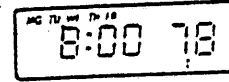|	Display	Description
	~ 9:15 82	■ Normal display of time, temperature, and day of week.
PROG	0:00 78	■ Program indicator (1) is displayed. ■ 78°F is displayed. ■ 0:00 space for time is displayed. ■ Mo-Fr is displayed.
HOUR	6:00 78	■ Press and hold until 6:00 is displayed. ■ Weekday Program 1 is complete.
PROG	0:00 78	■ Program indicator (2) is displayed.
HOUR	8:00 78	■ Press and hold until 8:00 is displayed.
■	8:30 78	■ Clock advances in steps of 15 minutes.
△	8:30 84	■ Pressing △ each time increases one degree. ■ When you reach 64°F, Program 2 is complete.
PROG	0:00 78	■ Program indicator (3) is displayed.
HOUR	~ 3:00 78	■ Press and hold until 3:00 p.m. is displayed. ■ Weekday Program 3 is complete.
PROG	0:00 78	■ Program indicator (4) is displayed.
	~11:00 78	■ Press and hold until 11:00 p.m. is displayed.
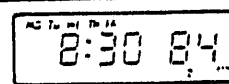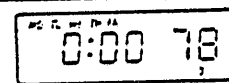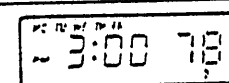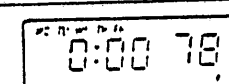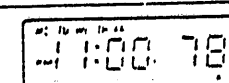
▲	`~11:00 80`	■ Pressing ▲ each time increases one degree. ■ When you reach 80°F, Program 4 is complete.
Continue for weekend programs.	**PROG** `0:00 78`	■ SA and SU displayed. ■ Program indicator (1) is displayed.
HOUR	`7:00 78`	■ Press and hold until 7:00 appears. ■ Weekend Program 1 is now complete.
PROG	`0:00 78`	■ Program indicator (2) is displayed.
HOUR	`~11:00 78`	■ Press and hold until 11:00 p.m. is displayed.
▲	`~11:00 80`	■ Pressing ▲ each time increases one degree. ■ When you reach 80°F, Weekend Program 2 is complete.

RETURN	`~9:15 82`	■ Press to return to display current time, temperature and day of week. If it is not pressed, thermostat will automatically return to current time and temperature in 10 seconds.

Now slide "MANUAL/OFF/ENERGY MONITOR" switch to "ENERGY MONITOR."

Note: If program time is left as 0:00, that particular program will not be effective; e.g., if Program #2 has time 0:00, the thermostat will jump from Program #1 to Program #3.

Reviewing Programs

You may want to review the programs to see that the settings are compatible with your lifestyle.

	`~9:15 82`	■ Normal display of current time, temperature, day of week. As shown from example on page 14.
Weekday Program	**PROG** `6:00 78`	■ 1st Weekday program is displayed. ■ Program indicator (1) appears. ■ Monday through Friday indication appears.

PROG	`8:30 84`	■ 2nd Weekday program is displayed. ■ Program indicator (2) appears. ■ Monday through Friday remains.
PROG	`3:00 78`	■ 3rd Weekday program is displayed. ■ Program indicator (3) appears. ■ Monday through Friday remains.
PROG	`11:00 80`	■ 4th Weekday program is displayed. ■ Program indicator (4) appears. ■ Monday through Friday remains.
PROG	`7:00 78`	■ 1st Weekend program is displayed. ■ Program indicator (1) appears. ■ Saturday and Sunday indications appear.
PROG	`11:00 80`	■ 2nd Weekend program is displayed. ■ Program indication (2) appears.
RETURN	`9:15 82`	■ Press to return to display current time, temperature. day of week. If it is not pressed, thermostat will automatically return to display of current time, temperature and day of week in about 10 seconds.
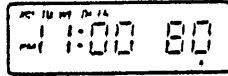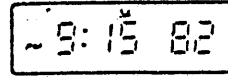
Weekend Program (label beside rows 4 and 5)

NOTE: The temperatures you have entered will NOT take effect im-mediately, but at the next program time change. The Energy Monitor is pre-set to 78°F, so if you want a temperature other than 78°F right away, you must use the manual over-ride feature described on page 21 to enter the temperature you want.

When your entered program becomes effective, corresponding program number will appear on display.

After programming. confirm the new programs by pressing —   — ".

Personal Program Schedule

Before programming, use this Energy Monitor Personal Program Schedule to determine which times and temperature settings will

best satisfy both your comfort and energy saving requirements.
Use a pencil so you can revise your records each time you change your temperature settings.
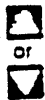
Beginning Program Date			
WEEKDAYS	TIME	AM/PM	TEMP.
PROGRAM 1			
PROGRAM 2			
PROGRAM 3			
PROGRAM 4			
WEEKEND			
PROGRAM 1			
PROGRAM 2			

To Review The Current Temperature Setting:
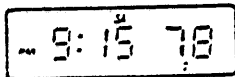
~ 9:15 78	■ Current time and temperature.

Press for
2 seconds
or less: ▲ or ▼

80 78	■ 80 indicates the current setting of the thermostat is 80°F. 78 shows the present room temperature as 78°F. ■ If held for more than 2 seconds, you will manually override your present temperature to a new setting as explained below.

NOTE:
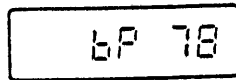
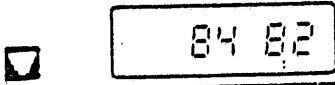| bP 78	■ bP will appear when monitor is in the "Manual" position and if you push either ▲ or ▼.

Manual Override of Program

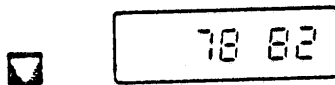Press & hold ▲ to raise temperature.

Press & hold ▼ to lower temperature.

Temporary Manual Override

In the following example, the present room temperature is 82°F and we want to lower the temperature temporarily to 78°F until the next program.

[84 82]

■ Press arrow to display current setting and
room temperature.

■ Continue pressing arrow. After 2 seconds,
the set temperature digits will blink and
begin to decrease until the button is
released at the desired setting (in this
case 78°F).

[78 82]

■ Program number disappears.

■ 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 78° until the next program
change. Please note the program indicator
number has disappeared until the next
program time comes into effect.

Permanent Manual Override
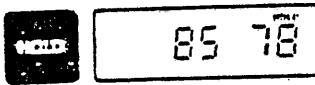
In the event you wish to hold your
manual override for vacation or just
an extended period of time, follow the
temporary manual override instruc-
tions above, then immediately press
HOLD. This will maintain override set-
ting indefinitely. "HOLD" will appear
on the display.

[85 78]

To Return To Program*

[9:15 84]
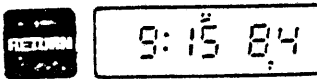
■ To return immediately to the current
program, press and hold RETURN for 3
seconds. Program number will dis-
appear. "HOLD" will disappear if you
were in permanent manual override.

(*From temporary or permanent
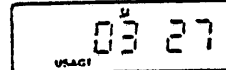manual override state)

XI

The Energy Monitor

The Energy Monitor measures and stores the amount of time the air conditioner operates. By pressing the key sequence shown, the usage can be displayed for the present day, the previous day, and the total. By monitoring on a daily basis, you can gradually adjust temperature settings and monitor the effect of your energy conserving efforts.

Using The Energy Monitor
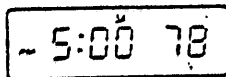
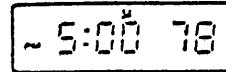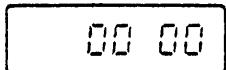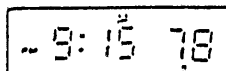|	Display	
	`~ 5:00  78`	■ Normal display of current time and room temperature on Saturday.
USAGE REVIEW	`03  27`	■ Press USAGE REVIEW to display amount of time system has run today (Saturday 12:01 a.m. through present time).
USAGE REVIEW	`08  42`	■ Press again to display amount of time system ran yesterday (Friday 12:01 a.m. through midnight).
USAGE REVIEW	`1 42  38`	■ Press again to display total usage in hours and minutes since usage counter was set to zero. (See note below.)
RETURN	`~ 5:00  78`	■ Returns to normal time and temperature. ■ Auto return after 10 seconds if no key is pressed.

NOTE: After 999.59 hours of usage the Energy Monitor will restart from zero.

Resetting Usage Monitor

To reset the usage monitor back to zero, simply press and hold the USAGE button for 4 seconds.

	Display	
USAGE	`00  00`	■ All usage monitors set to zero.
	`~ 9:15  78`	■ Return to normal time and temperature.

Energy Usage Chart

The Hunter Energy Monitor Thermostat measures, stores and displays the amount of time your air conditioner system has operated the present day, and the previous day.

This Energy Usage Chart will help you discover your most efficient energy saving comfort zone by recording your energy usage on a daily or weekly basis.

Simply enter the daily hours displayed when you press the orange Usage Review key.

Usage Review Month	Date						
	Mon.	Tue.	Wed.	Thurs.	Fri.	Sat.	Sun.
Week 1							
Week 2							
Week 3							
Week 4							
Week 5							
Week 6							
Week 7							
Week 8							
Week 9							
Week 10							
Week 11							
Week 12							

Using the Filter Review Feature

Your Energy Monitor also keeps a record of the number of hours your filter has been in use. In other words it displays the total usage in hours of the air conditiner system since the filter was replaced or cleaned and LCD counter was reset to zero.
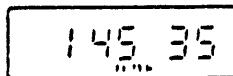
At 500 hours the word "FILTER" will appear on the display, reminding you to clean the filter and reset the counter back to zero. The "FILTER" will continue to display if the counter is not set back to zero.

Filter review will display up to 999 hours and 59 minutes of usage. Counter will start from zero at 1,000 hours of usage.

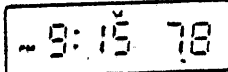To review filter usage press for less than 2 sec.   ■ FILTER | 145 35 | ■ Indicates filter usage in hours and minutes.

To Reset the Filter Counter to Zero

		■ Indicates the usage of filter in hours and minutes.
	■ FILTER `2:72 45`	
Continue pressing for 3 sec. or more.	■ FILTER `0:00 00`	■ The counter is reset to zero.
	`9:15 78`	■ To return to current time and temp.

NOTE: When filter usage counter is reset, it will reset only the filter usage. Usage for today and yesterday are not affected. However, when usage counter is reset all usages including filter counter are reset to zero.

Problem   ## Solution

| Problem	Solution
No Display	1. Check battery. 2. Press reset button once with a small pin and hold in for two seconds.
Entire Display Dims or Flashes Rapidly On and Off	1. Replace battery.
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.
Cooling Does Not Go On or Off	1. Check that function switch is in correct position. 2. There may be as much as 10 seconds delay in the thermostat turning the system on—wait and check. 3. Check your circuit breakers and switches to ensure that there is power to the system. 4. Replace battery. 5. A built-in timer prevents damage to your air conditioner compressor caused by rapid cycling by providing a four minute delay before restarting the compressor.
Erratic Display	1. Press the reset button once with a small pin and hold in for two seconds. Then reprogram.

Note: For proper operation always set the temperature control of the room air conditioner unit to maximum cool position.

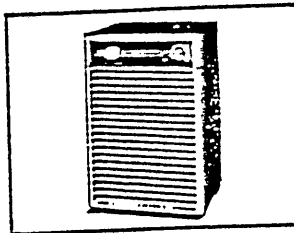If you experience any other problems, call 901-745-9222 from 8 a.m. to 5 p.m. Central time.
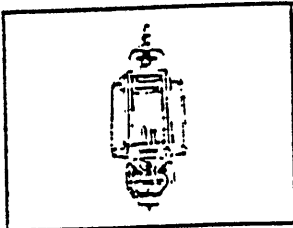
Other Home Comfort Products from Hunter
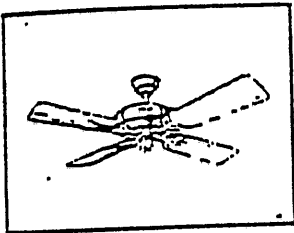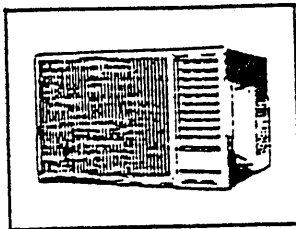
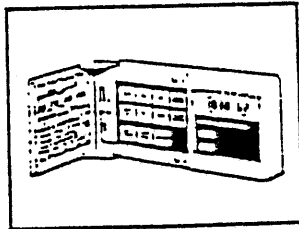|		
THE ORIGINAL	AIR CONDITIONERS	DEHUMIDIFIERS
RESIDENTIAL LIGHTING	PROGRAMMABLE THERMOSTATS	PROGRAMMABLE TIMERS
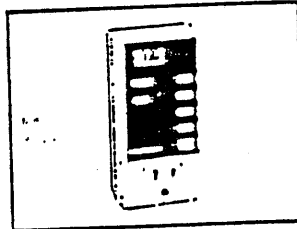
HUNTER
SINCE 1886

HUNTER FAN COMPANY
2500 FRISCO AVENUE
MEMPHIS, TN 38114

Ⓔ 1988, Hunter Fan Company Form No. 40961

XV

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com