

INSTALLATION AND OPERATING INSTRUCTIONS

LUX[®] 605/2110 SERIES PROGRAMMABLE HEAT PUMP THERMOSTAT



Complete, Easy To Read Programming And Installation Instructions Inside

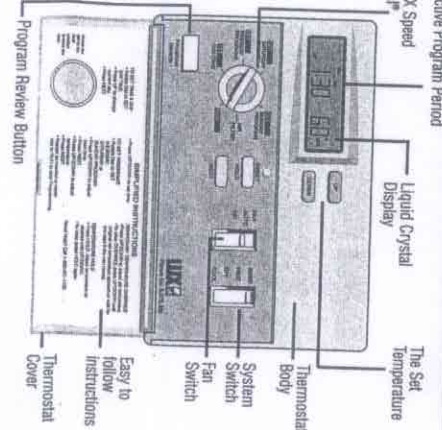
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WARNING: Use Energizer[®] or DURACELL[®] Alkaline Batteries Only.

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FEATURES

- This unit was specifically designed for use in 24 volt, two stage heat pumps. It may also be used to control 24 volt gas, oil or electric heating and single stage air conditioning systems, single stage heat pumps or gas/fueloil heating systems.
- The unit is programmable. There are four programming periods per day. Each period can be programmed separately.
- You can use the built-in three temperature programs, or alter them to suit your schedule. The unit provides separate programming for every day of the week - for both heating and cooling. You can override the programmed temperatures for as little as one programming period or for an entire vacation.
- In cool weather, when the system switch is set to HEAT, the unit will maintain warmer "set back" room temperatures to save energy. It will then change to warmer "comfort" settings - all automatically, at specified times during the day.
- In warm weather, when the system switch is set to COOL, the unit will maintain warmer "set back" room temperatures to save energy. It will then change to cooler "comfort" settings - all automatically, at specified times during the day.
- A large liquid crystal display shows time, day of the week, and room and set temperatures. It will remind you when the filter should be changed in your blower and track your system's energy usage.
- Temperature swing adjustment lets you fine-tune your system for maximum comfort and economy.
- A 4-minute minimum on/off time in COOL prevents your air conditioning system from being damaged.
- Two Energizer[®] or DURACELL[®] AA alkaline batteries (not included) are used to retain your time and temperature programs.



OPERATION

The unit alternately displays the current time and the room temperature. It also displays the day of the week and the currently active program period that is controlling the temperature: MORN, DAY, EVE, or NIGHT.

The set point temperature will appear in the right side of the display. In the winter, set the system switch to HEAT to control your heating system. In the summer, set the switch to COOL to control your air conditioner. In spring and fall or when windows are open, you can set the system switch OFF.

Setting the FAN switch to AUTO automatically runs your system's fan during heating and cooling. Setting the FAN switch to ON runs your system's fan continuously even without heating or cooling.

THE BUILT IN PROGRAMS

Push in the RESET key. This sets the built-in heating and cooling programs. To review the built-in programs, press NEXT or PREVIOUS repeatedly. When you are done, press RETURN.

You can use the built-in programs as shown, or change them as you wish. Each day is divided into four periods. Each period has its own starting time and temperature.

PROGRAM REVIEW

While the dial is in the RUN position, you may press the PROGRAM REVIEW button. The Thermostat will show the entire week's programming one period at a time in the display. This is very helpful to review the thermostat's current programming before making adjustments.

DAY	PERIOD	HEAT TIME		COOL TIME	
		TEMP	TIME	TEMP	TIME
MONDAY THROUGH FRIDAY	MORN				
	EVE				
	NIGHT				
SATURDAY	MORN				
	EVE				
	NIGHT				
SUNDAY	MORN				
	EVE				
	NIGHT				

PROGRAMMING THE UNIT

You can change any preset times and/or temperatures to suit your schedule for the weekday, Saturday and Sunday programs. Each period (Morning, Day, Evening, and Night) is programmed for HEAT and for COOL. A blank programming chart is provided for you to record your temperature settings in that chart.

Select HEAT to program the unit for controlling your heater. OR Select COOL to program the unit for controlling your air conditioner.

Rotate dial to SET WEEKDAY PROGRAM. To program SATURDAY or SUNDAY, rotate the dial to SET SATURDAY or SET SUNDAY PROGRAM. With dial on SET WEEKDAY PROGRAM, you will see this display:

- UP: To change the start time for MORN.
- DOWN: To program temperature.
- UP: To change the temp. setting for MORN.
- DOWN: To move to DAY.
- UP: To change start time for DAY.
- DOWN: To program temperature.
- UP: To change the temp. setting for DAY.
- DOWN: To move to NIGHT.
- UP: To change the start time for NIGHT.
- DOWN: To program temperature.
- UP: To change the temp. setting for NIGHT.

SETTING THE TIME OF DAY

The unit is protected against normal static electric discharges. However, in extremely dry weather you should touch another metal object before the unit to avoid potential loss of programs.

Open the drop-down door on the front of the thermostat. Rotate the dial to the SET DAY/TIME position. You should see the display pictured above with a day of the week flashing. When you are finished setting the day and time, rotate the dial to RUN to return to normal operation or to another position to continue programming.

UP: To change current day. NEXT: To set current time. The (e.g. "12:00") will be flashing. DOWN: To change the current time.

TEMPERATURE OVERRIDE AND TEMPORARY HOLD

These features let you change the current Set Temperature without changing the programs stored in your thermostat's memory.

Press UP/DOWN to change the current temperature setting. The OVERRIDE indicator appears on display. The Override feature will be automatically canceled at the start of the next program period.

VACATION TEMPERATURE HOLD

Press HOLD. Adjust temperature as desired with UP/DOWN. Temperature setting will not change even after next program period begins. To clear, press HOLD again.

ADVANCED FEATURES

FILTER USAGE MONITOR

The Filter Monitor counts the hours since the filter in your blower was last changed. After 250 hours of use, FILTER will appear in the display. After you change the filter, set the thermostat's FILTER Monitor back to zero as follows.

TEMPERATURE SWING

A thermostat works by turning your heating or cooling system on and off whenever the room temperature varies a certain number of degrees from the set-point temperature. This variation is the swing.

TEMPERATURE CALIBRATION

Rotate the dial to SET DAY/TIME. Press together HOLD, UP, and DOWN keys to adjust the thermostat.

PROGRAM LOCK

To prevent tampering with set programs. The sequence of keys to lock and unlock the program: NEXT, NEXT, NEXT, HOLD.

You must press "RESET" after enabling the features below. This will require you to reprogram your thermostat. Please copy your programs into the blank chart provided to assist reprogramming. Please refer to the figure under "INSTALLING BATTERIES" which shows the JUMPER LOCATIONS.

CHANGING FROM °F TO °C AND A 12HR CLOCK TO A 24HR CLOCK

- WARNING: Making these changes will require you to reset the thermostat. Copy any of your customized programs onto the chart. This will be your reference to reenter the programs afterwards.
- To change to Celsius - remove jumper - J2.
- To change to a 24HR clock - remove jumper - J1.
- Press the reset key on the front of the thermostat for changes to take effect.
- Reprogram as necessary.

DEFAULT PROGRAM CHANGES

This ENERGY STAR qualified thermostat has a new default program to save you even more energy. The new default program is as follows:

	Heat	Cool
MORN	6:00 AM	78°
DAY	8:00 AM	85°
EVE	6:00 PM	78°
NIGHT	10:00 PM	82°