INSTALLATION AND OPERATING INSTRUCTIONS

SMART TEMP ELECTRONIC THERMOSTAT



Complete, Easy To Read Programming And Installation Instructions Inside LUX PRODUCTS CORPORATION • Mt. Laurel, New Jersey 08054, USA 43301-04

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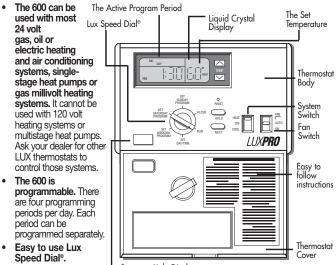
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ΙΜΡΟ ΚΤΑΝΤ

READ THE INSTALLATION INSTRUCTIONS FIRST. Thank you for your confidence in our product. To obtain the best results from your investment, please read these instructions and acquaint yourself with your purchase before installing your new thermostat. Then follow the installation procedures, one step at a time. This will save you time and minimize the chance of damaging the thermostat and the systems it controls.

These instructions may contain information beyond that required for your particular installation. Please save for future reference.

FEATURES



You can use the built-in Button to Light Display

time/temperature programs, or alter them to suit your schedule. The 600 provides separate programming for weekdays, Saturday, and Sunday — 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 600 will maintain cooler "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 600 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.
- Temperature swing adjustment lets you fine-tune your system for maximum comfort and economy.
- A 4-minute minimum off time in COOL prevents your air conditioning system from being damaged.
- Four Energizer[®] or DURACELL[®] "AA" alkaline batteries (not included) are used to retain your time and temperature program and to light the display.

- C A U T I O N • Your thermostat is a precision instrument. Please handle it with care.
- Turn off electricity to the appliance before installing or servicing thermostat or any part
- furn on electricity to the appliance before installing or servicing thermostal or of the system. Do not turn electricity back on until work is completed.
- Do not short (jumper) across electric terminals at control on furnace or air conditioner to test the system. This will damage the thermostat and void your warranty.
- All wiring must conform to local codes and ordinances.
- This thermostat is designed for use with 24 volt and millivolt systems. The thermostat should be limited to a maximum of 1.0 amps; higher amperage may cause damage to the thermostat. If you are in doubt, call your utility company.

INSTALLATION

Please read all instructions carefully before beginning installation.

TOOLS REQUIRED

#1 Phillips screwdriver (small) Drill with 3/16-in. (4.8mm) bit C A U T I O N To avoid electrical shock and to prevent damage to the furnace, air conditioner, and thermostat, disconnect the power supply before beginning work. This can be done at the fuse box, at the circuit breaker, or at the appliance.

On replacement installations, mount the new thermostat in place of the old one unless the conditions listed below suggest otherwise. On new installations, follow the guidelines listed below.

- 1. Locate the thermostat on an inside wall, about 5 ft. (1.5m) above the floor, and in a room that is used often.
- Do not install it where there are unusual heating conditions, such as: in direct sunlight; near a lamp, radio, television, radiator, register, or fireplace; near hot water pipes in a wall; near a stove on the other side of a wall.
- 3. Do not locate in unusual cooling conditions, such as: on a wall separating an unheated room; or in a draft from a stairwell, door, or window.
- Do not locate in a damp area. This can lead to corrosion that will shorten thermostat life.
- Do not locate where air circulation is poor, such as: in a corner or an alcove; or behind an open door.
- 6. Do not install the unit until all construction work and painting has been completed.
- 7. This thermostat does not require leveling.

REMOVING THE OLD THERMOSTAT

Switch electricity to the furnace and air conditioner OFF; then proceed with the following steps.



 Remove cover from old thermostat. Most are snap-on types and simply pull off. Some have locking screws on the side. These must be loosened.

 Note the letters printed near the terminals. Attach labels (enclosed) to each wire for identification. Remove and label wires one at a time. Make sure the wires do not fall back inside the wall.

3. Loosen all screws on the old thermostat and remove it from the wall.

MOUNTING THE 600 ON THE WALL



2. Fill wall opening with non-combustible insulation to prevent drafts from affecting the thermostat.

Read instructions carefully

thermostat. Wires must be

removed. When removing

wires from their terminals,

wires since these may not

comply with the standard.

ignore the color of the

labeled before they are

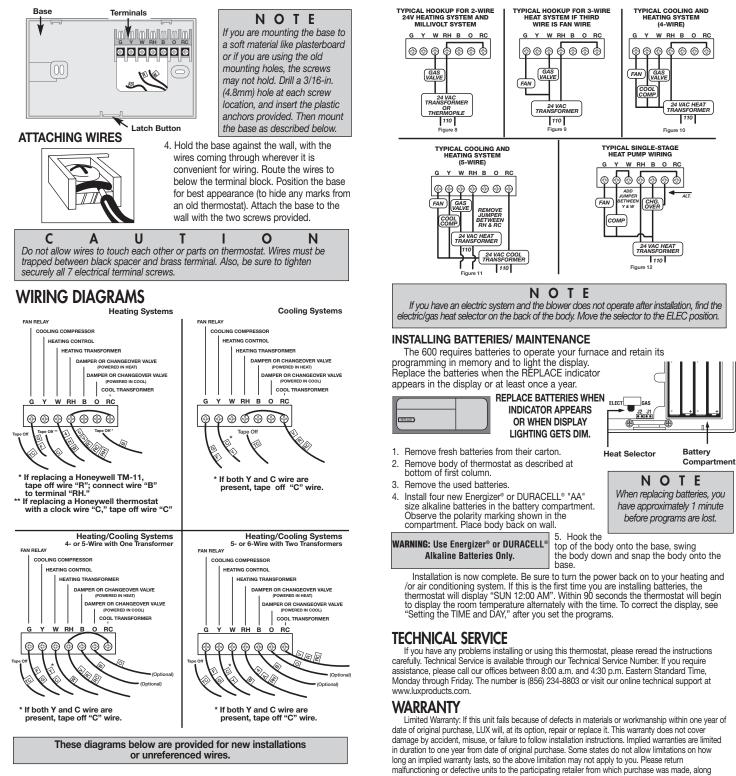
before removing any

wiring from existing

3. Press up on the button on bottom of thermostat and swing the body away from the base and up to remove the body from the base.

C /	A U not to drop	T	 or dist	N ronic part		
	cover close					

Earlay



or unreferenced wires.

with proof of purchase. Please refer to Technical Service Section before returning thermostat. Purchaser assumes all risks and liability for incidental and consequential damage resulting from installation and use of this unit. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Applicable in the U.S.A. only.



The 600 alternately displays the current time and the room

This thermostat is "armchair programmable" You can make any program or setting changes with the thermostat body off or on the wall thermostat base.

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provides a wire for the 600's "G" terminal

The FAN switch works only if your system

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 t built-in programs, rotate the d to SET WEEKDAY / SATURD/ SUNDAY PROGRAM.

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

lis		PERIOD	HEAT	COOL
the dial AY /	WEEKDAYS preprograms	Morn Day Eve Night	6:00 AM 70° 8:30 AM 60° 3:00 PM 70° 11:00 PM 65°	6:00 AM 75° 8:30 AM 85° 3:00 PM 75° 11:00 PM 80°
ge s h ne	SAT & SUN preprograms	Morn Day Eve Night	6:00 AM 70° 6:15 AM 70° 3:00 PM 70° 11:00 PM 65°	6:00 AM 75° 6:15 AM 75° 3:00 PM 75° 11:00 PM 80°

The dial must be in the RUN position to close the door.

PROGRAMMING THE 600

You can change any preset times and/or temperatures to suit your schedules for the weekday, Saturday and Sunday programs. Each period (Morning, Day, Evening, and Night) is programmed for HEAT and for COOL.

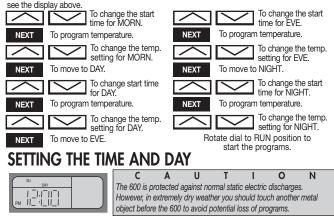
A blank programming chart is provided below for you to record your temperature settings in that chart.

PROGRAM MO TU WE TH FR FOR: MORN	SET TEMP
START AT: _ , _ _ AM	

HEAT 000

Select HEAT to program the OR Select COOL to program the 600 for controlling your heater. TX1500 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



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.

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

TEMPERATURE OVERRIDE AND TEMPERATURE HOLD

TEMPORARY TEMPERATURE OVERRIDE



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. To cancel OVERRIDE prior to next program period press UP/DOWN until original set temperature appears. OVERRIDE indicator will disappear from display.



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.

Rotate the dial to FILTER	\square	To reset the counter	
To change the FILT	ER Usage Monitor limit		
Rotate the dial to FII	TER		
NEXT Hold for seconds		To change the limit from	
		0-500 hours	RLTER

To disable the FILTER Usage Monitor set the limit to 0 hours

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."

Your system should cycle on about 3 to 6 times per hour. A smaller swing number increases the number of cycles, so room temperature is more constant. A larger swing number decreases the number of cycles, to save energy in most cases.





•	\sim	swing
	Press to s	et

TEMPERATURE CALIBRATION



Press together HOLD NEXT To adjust the thermostat

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PROGRAM LOCK

To prevent tampering with set programs.

The sequence of keys to lock and unlock the program:



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 below. This will be
- your reference to reenter the programs afterwards
- Located to the bottom left of the battery compartment are two black jumpers- J1 and J2.
- To change to Celsius, remove the left hand jumper- J2. To change to a 24HR clock, remove the right hand jumper- J1.
- · Press the reset key on the front of the thermostat for
- changes to take effect. Reprogram as necessary.

Jumpers **Battery Compartment**

PR	OGR	AMM	ING	СН	ART
DAY	PERIOD	HE	AT	CO	OL
		TEMP.	TIME	TEMP.	TIME
MON THRU FRI	MORN DAY EVE NIGHT				
SAT	MORN DAY EVE NIGHT				
SAT	MORN DAY EVE NIGHT				