INSTALLATION AND OPERATING INSTRUCTIONS
SMART TEMP ELECTRONIC THERMOSTAT

• Four Energizer® or DURACELL® "AA" alkaline batteries
• A 4-minute minimum off time
• Temperature swing adjustment
• A large liquid crystal display

When the system switch is set to COOL, the 600 will maintain
Easy as 1-2-3

INSTALLATION

These instructions may contain information beyond that required for your particular installation.

FIRST.

The 600 is

1. 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.
2. Do not locate where air circulation is poor, such as: in a corner or an alcove; or
behind an open door.
3. Do not install the unit until all construction work and painting has been completed.
4. Do not locate in a damp area. This can lead to corrosion that will shorten
thermostat life.
5. Do not operate the thermostat in areas where the temperature will exceed 100°F
(38°C) for an extended period. This may reduce the thermostat life.

CAUTION
Read instructions carefully before beginning installation.

TOOLS REQUIRED
#1 Phillips screwdriver (small)
Drill with 3/16-in. (4.8mm) bit

THERMOSTAT LOCATION

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.
2. 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.
4. Do not locate in a damp area. This can lead to corrosion that will shorten
thermostat life.
5. Do not operate the thermostat in areas where the temperature will exceed 100°F
(38°C) for an extended period. This may reduce the thermostat life.

CAUTION

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.

REMOVING THE OLD THERMOSTAT

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

1. 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.
2. Note the letters printed near the terminals. Attach labels (enclosed) to each wire for identification.
3. Remove and label wires one at a time. Make sure the wires do not fall back inside the wall.
4. Loosen all screws on the old thermostat and remove it from the wall.

MOUNTING THE 600 ON THE WALL

1. Strip insulation 3/8 in. (9.5mm) from wire ends and
clean off any corrosion.
2. Fill wall opening with non-combustible insulation to prevent
drafts from affecting the thermostat.
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.
If you are mounting the base to a soft material like plasterboard or if you are using the old mounting holes, the screws may not hold. Drill a 3/16-in. (4.8mm) hole at each screw location, and insert the plastic anchors provided. Then mount the base as described below:

**ATTACHING WIRES**

4. Hold the base against the wall, with the wires coming through wherever it is convenient for wiring. Route the wires to below the terminal block. Position the base for best appearance (to hide any marks from an old thermostat). Attach the base to the wall with the two screws provided.

**CAUTION**

Do not allow wires to touch each other or parts on thermostat. Wires must be trapped between black spacer and brass terminal. Also, be sure to tighten securely all electrical terminal screws.

**WIRING DIAGRAMS**

**Heating Systems**

1. **FAN RELAY**
2. **COOLING COMPRESSOR**
3. **HEATING TRANSFORMER**
4. **DAMPER OR CHANGEOVER VALVE**
5. **COOL TRANSFORMER**

**Cooling Systems**

1. **FAN RELAY**
2. **COOLING COMPRESSOR**
3. **HEATING TRANSFORMER**
4. **DAMPER OR CHANGEOVER VALVE**
5. **COOL TRANSFORMER**

* If replacing a Honeywell TM-11, tape off wire “R”; connect wire “B” to terminal “RH.”

**TYPICAL HOOKUP FOR 2-WIRE HEATING SYSTEM AND MILLIVOLT SYSTEM**

G Y W R H B O R C

**5. Hook the top of the body onto the base, swing the body down and snap the body onto the base.**

Installation is now complete. Be sure to turn the power back on to your heating and/or air conditioning system. If this is the first time you are installing batteries, the thermostat will display “SUN 12:30 AM”. Within 30 seconds the thermostat will begin to display the room temperature alternately with the time. To correct the display, see “Setting the TIME and DAH” after you set the programs.

**TECHNICAL SERVICE**

If you have any problems installing or using this thermostat, please reread the instructions carefully. Technical Service is available through our Technical Service Section if you require assistance, please call our offices between 8:00 a.m. and 4:30 p.m. Eastern Standard Time, Monday through Friday. The number is (888) 234-8803 or visit our online technical support at www.luxproducts.com.

**WARRANTY**

Limited Warranty: If this unit fails because of defects in materials or workmanship within one year of date of original purchase, LUX will, at its option, repair or replace it. This warranty does not cover damage by accident, misuse, or failure to follow installation instructions. Limited warranties are limited in duration to one year from date of original purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Please return malfunctioning or defective units to the participating retailer from which purchase was made, along with proof of purchase. Please refer to Technical Service Section before returning thermostat.

Purchaser assumes all risks and liability for incidental and 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.

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OPERA-TION

The 600 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: MON, TUE, WED, THU, FRI, SAT, SUN, or OFF.

The set point temperature will appear in the right side of the display. In the winter, the system switch is to HEAT to control your heating system. In the summer, the set 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, rotate the dial to SET WEEKDAY / SATURDAY / SUNDAY PROGRAM.

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.

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 weekdays, Saturday and Sunday programs. Each period (Morning, Day, Evening, and Night) is programmed for HEAT and for COOL.

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

<table>
<thead>
<tr>
<th>WEEKDAY</th>
<th>HEAT</th>
<th>COOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>MON</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TUE</td>
<td></td>
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<tr>
<td>WED</td>
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<td>THU</td>
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<tr>
<td>FRI</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To change the current time, the (e.g. "12:00") will be flashing. To change the current time, press UP/DOWN.

TEMPERATURE OVERRIDE

These features let you change the current set temperature without changing the programs stored in your thermostat's memory. When the OVERRIDE indicator appears on display, the Overide 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.