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You can read the recommendations in the user guide, the technical guide or the installation guide for LUX DMH100. You'll find the answers to all your questions on the LUX DMH100 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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INSTALLATION AND OPERATING INSTRUCTIONS

LUX DMH100 SERIES
DIGITAL MECHANICAL THERMOSTAT

Easy as 1-2-3

Complete, Easy To Read Programming And Installation Instructions Inside

WARNING: Use Energizer® or DURACELL™ Alkaline Batteries Only.

IMPORTANT!

Thank you for your confidence in our product. To obtain the best results from your investment, please read this manual and acquaint yourself with your purchase before installing your new thermostat. Then follow the installation procedure one step at a time. This will save you time and minimize the chance of damaging the thermostat and the system it controls.

READ THE INSTALLATION INSTRUCTIONS FIRST.

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

FEATURES

- The unit can be used with most 24 volt gas, oil or electric heating and air conditioning systems, gas/multi-fuel heating systems, and single stage heat pumps. It cannot be used with 120 volt heating systems or two stage heat pumps. Ask your dealer for details. LUX does not sell to control these systems.
- A large easy to read display shows you the current room temperature at all times.
- The unit has a built in digital control system to accurately control the temperature in your home.
- The unit will learn the temperature characteristics of your home on a daily basis and customize the control to give you the best comfort possible from a digital thermostat.
- You can also select a higher temperature if you have a forced water system or if closer comfort is preferred over energy savings.
- Agrees if either the Temperature Up or Down key will invert the current Set Temperature.
- A minimum maximum offset in COOL prevents your air conditioning system from burning damage.
- Two Energizer® or DURACELL™ "AA" alkaline batteries (not included) are used to retain your time and temperature programs.

CAUTION

- 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 of the system. Do not turn electricity back on until work is completed.
- Do not short (jump) across electric terminals at control on furnace or air conditioner to test the system. This will damage the thermostat and void your warranty.
- Always install in a clean, dry location.
- 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 AND OPERATION

Please read all instructions carefully before beginning installation.

TOOLS REQUIRED

- #1 Phillips screwdriver (small)
- Ohm 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.

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 first box, at the circuit breaker, or at the appliance.

On new installations, follow the guidelines listed below:

1. Locate the thermostat on an inside wall, about 5 to 15 feet above the floor, and in a room that is unoccupied.
2. Do not install 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 area 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 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

1. Remove cover from old thermostat. Mark any snap-on types and simply pull off. Some have locking screws on the side. These must be loosened.
2. Switch electricity to the furnace and air conditioner OFF. Then proceed with the following steps.
3. Note the labels printed near the terminals. Attach labels (provided) to each wire for identification. 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 UNIT ON THE WALL

1. Press down on the button on top of thermostat and swing the body away from the base and down to remove the body from the base.
2. Strip insulation 1/2 in. (5.0mm) from wire ends and clean off any corrosion.
3. Fill wall opening with non-conductible insulation to prevent drafts from affecting the thermostat.

CAUTION

Be careful not to drop the body or disturb electronic parts.



[Your user manual LUX DMH100](#)

Manual abstract:

proceed with the following steps. 2. 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. **W MOUNTING THE UNIT ON THE WALL** 1. Press down on the button on top of thermostat and swing the body away from the base and down to remove the body from the base.

Y W 2. Strip insulation 3/8 in. (9.5mm) from wire ends and clean off any corrosion. Y W R 3.

Fill wall opening with non-combustible insulation to prevent drafts from affecting the thermostat. **C A U T I O N** Be careful not to drop the body or disturb electronic parts. **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 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. © COPYRIGHT 2004 LUX PRODUCTS CORPORATION. ALL RIGHTS RESERVED 1 NOTE 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. **C A U T I O N** 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 7 electrical terminal screws. **WIRING DIAGRAMS** © COPYRIGHT 2004 LUX PRODUCTS CORPORATION. ALL RIGHTS RESERVED 2 These diagrams are provided for new installations or unreferenced wires. · 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 **N O T E ON** runs your system's fan The **FAN** switch works only if your system continuously even without provides a wire for the UNIT'S "G" terminal. heating or cooling.

ADVANCED FEATURES 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 thermostat is carefully tuned to provide you with exceptional comfort as well as provide you with energy savings. Should you desire to have the temperature controlled even more tightly in your home at the expense of increased energy savings, you can change the swing value. Also users of forced hot water systems may find this setting more comfortable. Located on the back of the thermostat body are three jumpers. To change from 0.5 degree F control to 0.25 degree F control, remove the jumper indicated by 0.5 F / 0.

25 F. **INSTALLING BATTERIES/ MAINTENANCE** The unit requires batteries to operate your furnace and retain its memory. Replace the batteries when the **LO BATT** indicator appears in the display or at least once a year. If you have an electric system and the blower does not operate after installation, find the electric/gas heat selector on the back of the body. Move the selector to the **ELEC** position. 1. Remove fresh batteries from their carton. 2..



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