INSTALLATION AND OPERATING INSTRUCTIONS



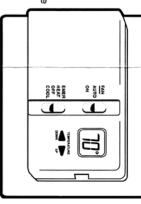
HERMOSTAT

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MPORTAN

NSTALLATION confidence in our product **NSTRUCTIONS** Thank you for your please read these from your investment, To obtain the best results

damaging the thermostat and the systems it procedures, one step at a time. This will save thermostat. Then follow the installation purchase before installing your new instructions and acquaint yourself with your you time and minimize the chance of



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

- with 120 volt heating systems. Ask your dealer for other LUX thermostats to control those systems. The thermostat can be used with most Two Stage Heat, One Stage Cool Heat Pump Systems. It cannot be used
- A large easy to read display shows you the current room temperature at all times.
- Indicators in the display show current system status.
- The thermostat has a built in digital control system to accurately control the temperature in your home.
- The thermostat will learn the temperature characteristics of your home on a cialy basis and customize the control to give you the best comfort possible from a digital thermostat.
- You can also select a tighter temperature control if comfort is preferred over energy savings
- A press of either the Temperature Up or Down key will reveal the current Set Temperature.
- A 4-minute minimum off time in COOL prevents your air conditioning system from being damaged
- Two "AA" batteries are required.
- Your thermostat is a precision instrument. Please handle it with care. 0 z
- 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. control on furnace or air conditioner to test the Do not short (jumper) across electric terminals at
- to a maximum of 1.0 amps; higher amperage may ordinances. All wining must conform to local codes and system. This will damage the thermostat and void call your utility dompany. cause damage to the thermostat. If you are in doubt This thermostal is designed for use with 24 volt and your warranty. millivoit systems. The thermostal should be limited

beginning installation. Please read all instructions carefully before

TOOLS REQUIRED

prevent damage to the furnace,

To avoid electrical shock and to

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iir conditioner, and

mermostat,

9570

#1 Phillips screwdriver (small

Drill with 3/16-in. (4.8mm) bit

THERMOSTAT LOCATION

refore beginning work. This can be

isconnect the power supply

thermostat in place of the old one unless the On replacement installations, mount the new

conditions listed below suggest otherwise. On new installations, follow the guidelines listed below breaker, or at the appliance. done at the fuse box, at the circuit

Locate the thermostat on an inside wall, about 5 ft. (1.5m) above the floor, and in a room that is Do not locate in a damp area. This can lead to Do not locate where air circulation is poor, such a draft from a stairwell, door, or window. as: in a corner or an alcove; or behind an open corrosion that will shorten thermostat life.

Do not install it where there are unusual heating lamp, radio, television, radiator, register, or conditions, such as: in direct sunlight; near a fireplace; near hot water pipes in a wall; near a Do not install the unit until all construction work

Do not locate in unusual cooling conditions, such 7. This thermostat does not require leveling. as: on a wall separating an unheated room; or in stove on the other side of a wall. and painting has been completed.

REMOVING THE OLD THERMOSTAT

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

- Remove cover from old thermostat. Most are snap-on types and simply
- Note the letters printed near the terminals. Attach labels (enclosed) to sure the wires do not fall back inside the wall. each wire for identification. Remove and label wires one at a time. Make pull off. Some have locking screws on the side. These must be loosened
- Loosen all screws on the old thermostat and remove it from the wall

MOUNTING THE UNIT ON THE WALL

- Strip insulation 3/8 in. (9.5mm) from wire ends and clean off any corrosion.
- Fill wall opening with non-combustible insulation to prevent drafts from affecting the
- Press in on the button on the right of the thermostat and swing the body away from the base and left to remove the body from the base

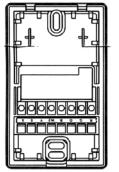
provided. Then mount the base as described below each screw location, and insert the plastic anchors the screws may not hold. Drill a 3/16-in. (4.8mm) hole at plasterboard or if you are using the old mounting holes, If you are mounting the base to a soft material like

ATTACHING WIRES

Hold the base against the wall, with the wires an old thermostat). An optional wall plate is coming through the hole provided. Route the screws provided. available. Attach the base to the wall with the two base for best appearance (to hide any marks from wires to below the terminal block. Position the



may not comply with the color of the wires since these before they are removed.
When removing wires from





RATION

- Press either the TEMPERATURE UP or DOWN key in order to show the current SET TEMPERATURE.
- Press TEMPERATURE UP or DOWN keys again until your desired temperature is displayed The display will show the current room temperature again after two seconds.

If you have an electric system and the blower does not operate after installation, find the electric/gas heat jumper on the back of the body. Move the jumper to the two pins indicated by ELEC.

ANCED FEATURES

EMPERATURE SWING

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

savings, you can change the swing value. Also users of forced hot water systems may find this setting more Should you desire to have the temperture controlled even more tightly in your home at the expense of increased energy Your thermostat is carefully tuned to provide you with exceptional comfort as well as provide you with energy savings.

Located on the back of the thermostat body are two jumpers

To change from 0.5°F control to 0.25°F control, remove the jumper indicated by 0.5°F / 0.25°F.

now control you home to 0.5 degrees. Press the small unmarked button on the front of the thermostat with a paper clipfor the cange to take affect. The unit will

CHANGING FROM °F TO °C

- To change to Celsius remove the jumper marked C/F.

 Press the small unmarked button on the front of the thermostat for the changes to take effect

TECHNICAL SERVICE

Eastern Standard Time, Monday through Friday. The number is (856) 234-8803 you require assistance, please call our offices between 8:00 a.m. and 4:30 p.m. tions carefully. Technical Service is available through our Technical Service number. If If you have any problems installing or using this thermostat, please reread the instruc-

WARRANTY

within one year of date of original purchase, LUX will, at its option, repair or replace it. This warranty does not cover Limited Warranty: If this unit fails because of defects in materials or workmanship

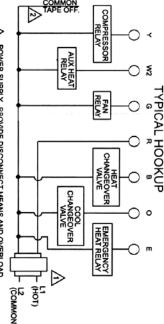
participating retailer from which purchase was made, along with proof of purchase. states do not allow limitations on how long an implied warranty lasts, so the above warranties are limited in duration to one year from date of original purchase. Some damage by accident, misuse, or failure to follow installation instructions. Implied limitation may not apply to you. Please return malfunctioning or defective units to the Please refer to Technical Service Section before returning thermostat.

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

> terminal screws. 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 5 electrical

TERMINAL DESIGNATIONS AND DESCRIPTIONS

Craye z reality relay or advillary rear relay	77.2	V C4 14, 110, 1
Stage 2 heating relay or auxilliary heat relay	CM	Y EW 18 CH CM
24V system or heating transformer	ZD.	R,∨
Cooling Chageover Valve	0	0
Check Heat Pump indicator	Tape Off	L, A, A1
Fan Relay	G	G, F
Emergency Heat Relay.	т	E, K
Common	Tape Off	C, X, X1, X2, Z
Heating Changeover Valve	В	В
TYPICAL CONNECTION	DESIGNATIONS	DESIGNATINS
	TERMINAL	OLD TERMINAL
	NEW THERMOSTAT	



POWER SUPPLY. PROVIDE DISCONNECT MEANS AND OVERLOAD PROTECTION AS REQUIRED.

SETTING THE FAN AND SYSTEM SWITCHES

IF YOUR OLD INSTALLATION HAS A "C" WIRE (COMMON WIRE FROM THE TRANSFORMER, TAPE IT OFF. IT IS NOT USED ON THIS THERMOSTAT

EAN AUTO Normal setting. Fan is energized with the system. EMER Auxilliary Heat is used for heating. The compressor is deenergized. HEAT The thermostat controls your heating. OFF Both heating and cooling are off. COOL The thermostat controls your cooling.	FAN ON	The fan runs continuously for increased air circulation.
	FAN AUTO	Normal setting. Fan is energized with the system.
		Auxilliary Heat is used for heating. The compressor is deenergized.
	·	The thermostat controls your heating.
	OFF	Both heating and cooling are off.
	COOL	The thermostat controls your cooling.

INSTALLING BATTERIES/ MAINTENANCE

The DMH100 requires batteries to operate your furnace. Replace the batteries when the REPLACE indicator appears in the display or at least once a year.

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If you have an electric system and the blower does not operate after installation, find the electric/gas neat selector on the back of the body. Move the selector to the ELEC position

- Remove fresh batteries from their carton.
- Remove body of thermostat as described during installation
- Remove the used batteries

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- Install TWO new "AA" size alkaline batteries in the battery compartment. Observe the polarity marking shown in the compartment
- Place the body back on the wall. Hook the top of the body onto the base, swing the body Installation is now complete. Be sure to turn the power back on to your heating and/or air conditioning system. Within 90 seconds the thermostat will begin to display the room down and snap the body onto the base. temperature