

# OPERATION INSTRUCTIONS FOR THE EQUALIZER® EQ2 REGISTER BOOSTER™

## READ AND SAVE THESE INSTRUCTIONS

With the use of any electrical appliance, it is important to observe all basic precautions to minimize the risk associated with use, such as electrical shock, fire, or injury to persons. Read these instructions before using your Equalizer® EQ2 Register Booster™.

**NEVER EXPOSE YOUR EQUALIZER® EQ2 TO TEMPERATURES OVER 140°F (60°C)**

## INSTALLATION

### FLOOR REGISTERS

1. Follow the directions for Operation Settings.
2. Position the Equalizer® EQ2 over any 6" x 12" (or smaller) register.
3. Plug the power cord into the nearest 110-120 Volt AC outlet..



### WALL REGISTERS

In some instances, when wall mounting the Equalizer®, the lettering on the Control Panel label will be upside down.

1a. Installing over an existing register grill (see figure 1) Using the template, mark the screw hole positions and then install two #6 screws (not included) into the top frame of the register grill. Leave 7/16" of the screw protruding.

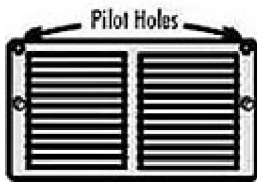


Figure 1

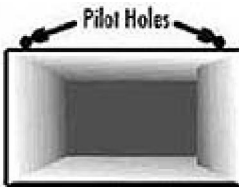


Figure 2

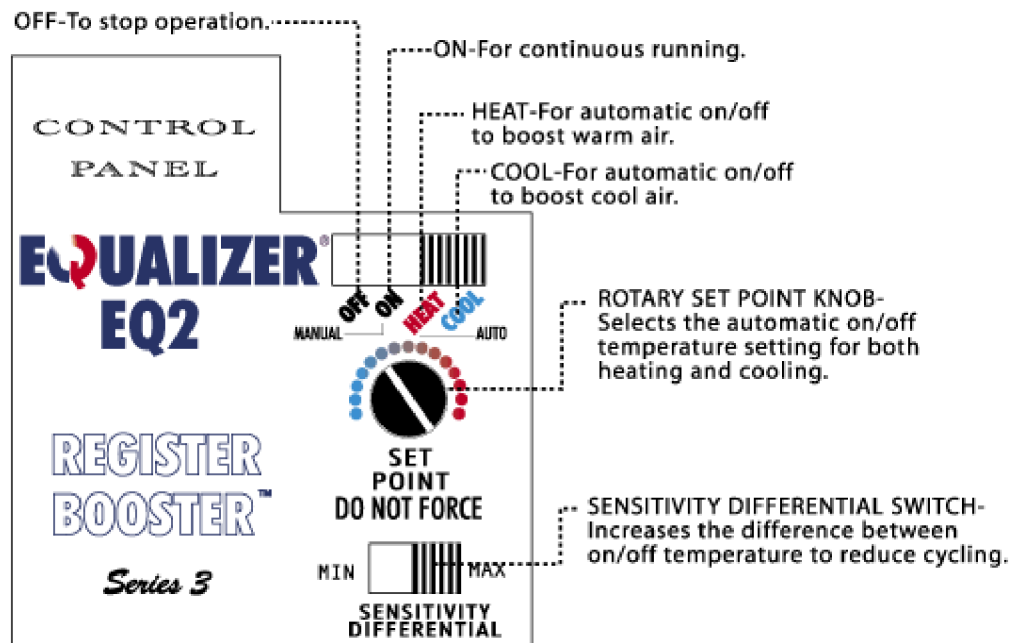
1b. Installing over a register boot without a register grill (see figure 2 above). Using the template, mark the screw hole positions and then install two #6 screws not (not included) above the edge of the register boot (plastic expanding plugs may be needed). Leave 7/16" of the screw protruding from the wall surface.

2. Install the Equalizer® EQ2 over the screws by placing the two evenly positioned keyhole slots over the screw heads. Make sure the unit slips down over the screws.
3. Plug the power cord into the nearest 120 Volt AC outlet.

### CLEANING AND MAINTENANCE

Before cleaning the Equalizer® EQ2 always disconnect the power cord from the outlet. Dust may be removed from the exterior surfaces using a soft cloth, the round brush attachment of your vacuum or using a cloth that has been lightly moistened with water and a mild non-abrasive detergent.

Dust accumulation in the interior of the Equalizer® EQ2 may be removed by using the round brush attachment of your vacuum cleaner, or by attaching your vacuum cleaner hose to the blower side and blowing dust out. Accumulation of dust in the interior will be minimized by regular replacement of your furnace filter as recommended by its manufacturer.



1. Make sure your furnace is not running.
2. Set the Sensitivity Differential switch to the MIN position.
3. Place the unit over the register and plug it in. Set the Function switch to Auto Heat (winter) or Auto Cool (summer).

4. To adjust the fan motor ON/OFF point rotate the Set Point knob in the proper direction for your heating or cooling application until the fan motor switches ON, then slightly turn the control knob in the opposite direction until the fan motor stops. **DO NOT FORCE.**

**FOR HEATING** Position the Function switch to AUTO HEAT.



**STEP ONE** Turn counter clockwise until fan motor runs



**STEP TWO** Turn clockwise to point where the fan motor stops

**FOR COOLING** Position the Function switch to AUTO COOL.



**STEP ONE** Turn clockwise until fan motor runs



**STEP TWO** Turn counter clockwise until fan motor stops

### **IMPORTANT NOTE**

To shorten the length time that your Equalizer® EQ2 Register Booster™ continues to run after the forced air furnace or air conditioner has shut off, rotate the Set Point knob control slightly further, as in Step Two. Should you experience frequent On/Off cycling, move the Sensitivity Differential switch to the MAX position.

### **IMPORTANT WARNINGS**

- 1) Your Equalizer® EQ2 will be as warm as the air that is delivered from the register of your forced air furnace and/or cooling system. The maximum temperature for a register is 140° Fahrenheit or 60° Centigrade. Your Equalizer® EQ2 should never be exposed to higher temperatures or temperatures below freezing.
- 2) Do not in any way block the air grills of the Equalizer® EQ2.
- 3) Unplug the Equalizer® EQ2 when not in use. Turn the unit off before unplugging.
- 4) Do not operate the Equalizer® with a damaged plug or cord, if the unit malfunctions, becomes noisy when operating, has been dropped or otherwise damaged, or if the housing is damaged or broken.
- 5) The Equalizer® should never be exposed to moisture. Do not use the unit in an open window, bathroom, or laundry area where it may come in contact with water.

- 6) The Equalizer® is designed for indoor use only.
- 7) Place the Equalizer® and the electrical cord where it will not be tripped over, and is out of the traffic pattern.
- 8) Never insert any object or allow any object to enter the Equalizer® through the grills, as this may damage the unit or cause it to malfunction.
- 9) The motor of the Equalizer® is equipped with a thermal fuse. Blocking rotation of the fan or airflow may cause the motor to overheat. Should the motor overheat and the fuse open, the motor can not be reset.
- 10) Do not use the Equalizer® near flammables such as gasoline, paint, or natural gas.
- 11) The Equalizer® is intended for use as described in the instructions only. Other use may cause fire, electrical shock, damage to the unit, or injury to persons and will void any warranty by the manufacturer.
- 12) The Equalizer® has a polarized plug (one blade is wider than the other). To reduce the risk of shock, this plug is intended to fit into a polarized outlet only one way. If the plug does not fit into the outlet fully, reverse the plug. If it still does not fit contact a qualified electrician. DO NOT attempt to defeat this safety feature.
- 13) If it is necessary to use an extension cord, use a heavy duty approved cord with adequate wire size.
- 14) Pressure on the grills of the Equalizer® may cause the fan impeller to contact these grills and damage the unit.
- 15) Do not use strong detergents or flammable liquids to clean the Equalizer®.
- 16) The housing of your Equalizer® is sealed at the factory. THERE ARE NO SERVICEABLE PARTS INSIDE. Attempting to open the housing will expose you to dangerous electricity, may cause fire, and will void any and all warranty.
- 17) To reduce the risk of fire or electrical shock, do not use the Equalizer® with any solid state speed control device.

#### **ONE YEAR LIMITED WARRANTY**

Subject to the following limitations, Suncourt Inc. (manufacturer) warrants that the Equalizer® EQ2 Register Booster™ will, for 1(one) year from date of original retail purchase, but not exceeding two years from date of manufacture, remain free from appearance of defects in workmanship or materials. This warranty is subject to the following limitations: (a) manufacturer's liability to the replacement or repair of the unit

as decided by the manufacturer; (b) a defective unit must be returned, prepaid, with proof of purchase; and (c) this warranty does not apply to defects resulting from the alteration, abuse, accidental damage, unauthorized repair, or misuse of the unit. This warranty is given in lieu of all other warranties, guarantees, and conditions on manufacturer's part, and the manufacturer shall have no tortious or other liability in respect to this Equalizer® EQ2 Register Booster™.

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