



## INSTALLATION INSTRUCTIONS FOR THE THRUWALL ROOM TO ROOM FAN™

**MODEL: TW208P**

### READ AND SAVE THESE INSTRUCTIONS IMPORTANT NOTICE

**WARNING** - To Reduce The Risk Of Fire Or Electric Shock, Read These Instructions Before Installing Your ThruWall TW208P Room To Room Fan. This fan is not to be installed in an outside wall. Do not use in wet or damp locations. Do not install in fire rated walls. Do not use in a window. Do not connect to a secondary remote speed control. Not for bathroom use.

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. If you have doubts or are unfamiliar with this type of installation work, seek the services of a qualified electrician. Suncourt assumes no responsibility for installation of the ThruWall Fan™. For your safety and protection follow all instructions and adhere to applicable building and/or electrical codes.

**NEVER EXPOSE YOUR THRUWALL TO TEMPERATURES OVER 140°F (60°C)**

**Warning** - To Reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Observe The Following:

Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.

When cutting or drilling into wall, do not damage electrical wiring or other hidden utilities. Prior to installation of the TW208P fan, switch power off at service panel and lock service panel to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

### STEP BY STEP INSTRUCTIONS

**Step 1.** Depending on your needs, the ThruWall™ can be installed high or low on the wall. Please note that warm air rises, thus is found near the ceiling. Conversely, cold air falls and is found near the floor. The temperature of the air near the ceiling may be as much as 10°F to 15°F higher than near the floor. Start by making sure that there are NO studs, water, drain, electrical or other obstructions in the wall where you wish to install the unit. Please see the airflow direction label on the housing.

**Step 2.** Place template flush against wall. Check for level and tape in place. Note: The wall that the template is taped to will be the fan output side.

**Step 3.** Cut out the opening with a small drywall saw. Take care not to damage the edge of the drywall since you will be installing drywall anchors close to the hole to mount the grille.

**Step 4.** Insert the grille with fan attached into the hole that you just cut. Make sure the fan is level and that the grille completely covers the opening. Mark the location of the 4 mounting holes.

**Step 5.** Remove fan from hole and drill mounting holes with a sharp 3/16" drill bit. Insert wall anchors in mounting holes.

**Step 6.** Project the edge of the round section of the cutout onto the inside of the other wall board in three places, approximately 120° apart. Use a small square or a piece of cardboard that has an exact 90° angle to mark the cutout points on the inside of the other wall.

**Step 7.** Use a small pin or very small drill bit (1/32" or smaller) to punch or drill these three marks to the outside of the other wall.

**Step 8.** Place the sleeve without the grille attached, against the outside of the wall and center its location using the three holes that you made. Then trace the outside of the sleeve with a pencil. Cut the circular opening with a small drywall saw. Cut inside the pencil line.

Take care not to damage the edge of the drywall. You will be installing drywall anchors close to the holes to mount the grille.

**Step 9.** Take the electrical box cover off of the molded on electrical box and install a 3/8" strain relief that is appropriate for your 120VAC power supply wire and/or conduit.

**Step 10.** Insert your 120VAC power supply wires through the strain relief and use the provided wire nuts to connect the white (common), black (hot), and green (ground) wires from the TW208P ThruWall fan to the appropriate common, hot and ground wires of your incoming power wires.

**Step 11.** Check to see that your strain relief is securely fastened and re-attach the electrical box cover. **DO NOT OVERTIGHTEN!**

**Step 12.** Insert the metal sleeve with grille into the cutout opening (fan output side) and screw the grille down snugly.

**Step 13.** Insert the other metal sleeve into the cutout opening (fan suction side) and snug the flange up against the wall material.

**Step 14.** Position the unattached plastic grille over the metal sleeve that was just inserted so that the logo on the center of the grille is right side up and that one of the mounting holes is in the top center. Adjust the metal sleeve so that the three U shaped cut outs in the flange match up with the mounting holes in the grille. Mark the location of all 3 wall anchors.

**Step 15.** Drill the holes on the wall for the anchors with a sharp 3/16" drill bit. Install wall anchors and screw the grille down snugly. **DO NOT OVERTIGHTEN!**

### OPERATION INSTRUCTIONS:

The ThruWall™ is equipped with a variable speed controller.

There is a speed adjustment knob on the output side of the fan.

Turning the switch to the right will allow you to adjust speed from low to high as you desire.

The unit is in the off position when the speed control knob is turned all of the

way counter clockwise.

Thank you for buying this Suncourt product.

### PLEASE READ THESE INSTRUCTIONS BEFORE STARTING INSTALLATION

The ThruWall™ fan moves air from room to room quietly and efficiently. Simple to install in any frame wall from 3-3/4" to 6-1/2" thick. A high quality Thermally Protected motor with balanced fan blade moves up to 150 CFM. Moves heated or cooled air between rooms. Excellent for ventilation! The ThruWall™ can be mounted in any normal drywall or paneled stud construction wall up to 6-1/2" maximum total thickness.

The grilles of your ThruWall fan may be painted to suit any decor. Thoroughly wash the grilles with mild household detergent, dry completely, and spray with a quality, fast dry, spray paint.

The installation of your ThruWall™ fan is not difficult, but the cutouts must be accurate.

In the carton you will find:

(1) Telescoping metal sleeve with plastic grille attached

(1) Telescoping metal sleeve without grille attached

(1) Loose grille

(1) Template

(7) #6 Screws

(7) Wall Anchors

(3) Wire Nuts

### ONE YEAR LIMITED WARRANTY

Subject to the following limitations, Suncourt Inc. (manufacturer) warrants that the ThruWall Fan™ will, for 1 (one) year from date of original retail purchase, but not exceeding 2 (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 is limited 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, well packaged to avoid damage in transit; 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 ThruWall Fan™. Ship unit to Suncourt Inc. only after obtaining a Return Goods Authorization (RGA) number. Returns without this RGA number will not be accepted.

Actual product appearance may differ from illustrations.

Suncourt reserves the right to modify any or all of its products' features, designs, components and specifications without notice.

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