

INSTALLATION INSTRUCTIONS FOR IN-LINE DUCT FANS™

READ AND SAVE THESE INSTRUCTIONS IMPORTANT SAFETY INSTRUCTIONS

WARNING - For General Ventilating Use Only. Do Not Use to Exhaust Hazardous or Explosive Materials and Vapors.

WARNING - TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

All electrical connections to this fan must be made in an approved type junction box. This junction box must be permanently attached to the fan at the point where the motor wires exit the metal duct pipe. The junction box must be reliably mounted to prevent it from shifting or rotating. The junction box can be attached with 2 or more sheet metal screws, rivets or machine screws with a nut and lock washer. Power to the fan must be supplied following all applicable building and electrical codes.

Before Servicing Or Cleaning Unit, 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.

Suncourt Inc. does not provide electrical connection information. For your safety and protection follow all instructions and adhere to applicable building and electrical codes.

EXPOSURE TO AIRFLOW TEMPERATURES EXCEEDING 140°F WILL PERMANENTLY DESTROY THE ELECTRIC MOTOR, VOIDING THE WARRANTY

NEVER EXPOSE YOUR IN-LINE DUCT FAN™ TO TEMPERATURES OVER 140°F (60°C)

IMPORTANT WARNING

Due to the power of a booster fan, adequate protective measures must be taken to avoid contact with the impeller blades. In-Line Duct Fans™ are designed to boost only dry (ambient) heated or cooled airflow in ducts of forced air systems with temperatures between 40°F (4°C) and 140°F (60°C).

Suncourt Inc. accepts no responsibility for use of this product in other applications.

ELECTRICAL CONNECTIONS AND WIRING

WARNING - To Reduce The Risk Of Fire, Electrical 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.

Your In-Line Duct Fan™ must be connected to a 110/120 Volt AC, 60Hz fuse or circuit breaker protected power source only in a manner approved by all applicable codes. Never connect your In-Line Duct Fan™ to a 240 Volt AC blower motor or other 240 Volt system.

All electrical connections to this fan must be made in an approved junction box. This junction box must be permanently attached to the fan at the point where the motor wires exit the metal duct pipe. The junction box must be reliably mounted to prevent it from shifting or rotating. The junction box can be attached with 2 or more sheet metal screws, rivets or machine screws with a nut and lock washer. Power to the fan must be supplied following all applicable building and electrical codes.

The ground wire (GREEN) must be terminated at the furnace or other suitable ground. The power source must be protected by a fuse or circuit breaker rated at a minimum of 15 amperes.

You may also supply power to your In-Line Duct Fan™ using the Suncourt DuctStat® Temperature Sensitive Switch™ or a standard on/off switch (Purchased Separately).

Operating range is 40°F (4°C) to 140°F (60°C). Exposure to temperatures outside this range voids the warranty.

GENERAL INSTALLATION NOTES

For maximum performance and minimum noise, the best location to install your In-Line Duct Fan™ is 6 - 10 feet from the register that needs the boost. To prevent air leaks use a good quality duct tape to seal seams in the ductwork after installing the In-Line Duct Fan™.

By utilizing tapered reducers you may install larger diameter duct fans in smaller diameter ducts.

Always leave your In-Line Duct Fan™ accessible for maintenance, cleaning or repair.

VARIABLE SPEED CONTROL

The In-Line Duct Fans™ can be speed controlled using a Suncourt solid state speed control (Purchased Separately). Please visit www.suncourt.com anytime or during business hours you may phone 1-800-999-3267 for information regarding the appropriate speed control for your In-Line Duct Fan™ model.

NEVER USE A RHEOSTAT TO CONTROL FAN SPEED.

FLEXIBLE DUCT

2a. Install connectors onto any uncrimped ends of the unit. Then simply cut the flexible duct and slide the In-Line Duct Fan™ in place by slipping the cut flexible duct ends over the connectors or crimped ends on the In-Line Duct Fan™, making sure the unit is well supported. Complete the installation by securing the In-Line Duct Fan™ to the flexible duct with a good quality aluminum foil duct tape or nylon cable ties.

METAL DUCT

2b. Install connectors onto any uncrimped ends of the unit, or crimp your existing ductwork. Then simply place the existing duct over the crimped ends of the unit, or the existing crimped ductwork into the unit. Secure the In-Line Duct Fan™ to the metal duct with the supplied #6 sheet metal screws spaced evenly around the circumference on each end of the unit.

3. Finish the installation by covering the seams in the duct with a good quality aluminum foil duct tape.

CLEANING AND MAINTENANCE

Suncourt Inc. recommends that you clean your In-Line Duct Fan™ at regular intervals, similar to what is recommended for the fan of your furnace, no less than twice a year. Keep your In-Line Duct Fan™ free of lint, dust, and debris. The In-Line Duct Fan™ must never be exposed to temperatures over 140°F (60°C).

ONE YEAR LIMITED WARRANTY

Subject to the following limitations, Suncourt Inc. (manufacturer) warrants that the In-Line Duct 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 In-Line Duct 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.