



READ AND SAVE THESE INSTALLATION INSTRUCTIONS  
FOR INDUCTOR® IN-LINE DUCT FANS™



## IMPORTANT WARNINGS

If you have doubts or are unfamiliar with this type of installation work, seek the services of a qualified electrician. Suncourt & REG; Inc. assumes no responsibility for installation of the In-Line Duct Fan™.

Suncourt & REG; Inc. does not provide electrical connection information beyond what is provided here.

For your safety and protection follow all instructions and adhere to all applicable building and/or electrical codes and Codes.

Operating range is 50°F to 140°F. Exposure to temperatures outside this range voids the warranty.

Due to the power of a booster fan, adequate protective measures must be taken to avoid possible contact with impeller blades. In-Line Duct Fans™ are designed to boost only dry (ambient) heated or cooled airflow in the conduits of forced air systems with temperatures between 50° F and 140° F. Use in applications other than the intended purpose voids the warranty, may cause a dangerous situation resulting in fire, possibility of electrical shock, or other hazard. Suncourt Inc. accepts no responsibility for use of this product in other applications.

The electrical connections of the In-Line Duct Fan™ must conform to all National and Local Standards and Codes.

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

### ELECTRICAL CONNECTIONS AND WIRING

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 220/240 Volt AC blower motor or other 220/240 Volt systems.

The wiring installation must be of an approved type and terminate at a junction box (not included) at the In-Line Duct Fan™ and furnace. Consult your furnace wiring diagram to locate the furnace fan power supply wires. To install a variable speed furnace fan, please consult a qualified installer. The ground wire (Green) must be terminated to a furnace or other suitable ground. The power source must be protected by a fuse or circuit breaker rated at 15 amperes or less.

You may also supply power to your In-Line Duct Fan™ via a [DuctStat® Plug-In Thermostat™](#) available at [www.suncourt.com](#).

Suncourt® Inc., or a standard on/off switch.

**IMPORTANT NOTICE**

**Single Speed**

The motor of your In-Line Duct Fan™ may have 1 white and 1 black wire or 2 black wires. If you have a motor with 1 White and 1 Black wire, connect the White motor wire to the White supply wire and the Black motor wire to the Black supply wire. If you have a motor with 2 Black wires, connect either of the Black wires to the White supply wire and the other Black wire to the Black supply wire.

**Two Speed**

Make sure you connect the colored wires as shown below. Failure to connect correctly will destroy the warranty claim for an incorrectly wired motor will be accepted by Suncourt®.

**WIRING INSTRUCTIONS FOR IN-LINE DUCT FANS:**

**Wire for either High or Low speed. NEVER connect the High and Low speed wires together.**

	<i>White (neutral or common) wire from power source.</i>	<i>Black (hot or line) wire from power source.</i>	<i>Green (ground) wire from power source.</i>
DB100 DB102 DB200 DB204 DB205 DB206 DB208 DB210 DB212 DB412 DB414 DB416	Black wire or white wire (see note above) from motor.	Black wire from motor.	Green wire from
DB301 DB305 DB306	Black wire from motor.	LOW fan speed: Yellow wire from motor. HIGH fan speed: Red wire from motor.	Green wire from
DB308 DB310	White wire from motor.	LOW fan speed: Red wire from motor. HIGH fan speed: Black wire from motor.	Green wire from

**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 you wish to boost air to. 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 use larger diameter duct fan in smaller diameter ducts. **Always leave your In-Line Duct Fan™ accessible for maintenance, cleaning or repair.**

**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, but at least 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  
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 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, to the point of purchase or as instructed below; 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™.

For service after the warranty period you may return the Suncourt® In-Line Duct Fan™ prepaid and well packaged to avoid damage in shipment, to the manufacturer for repair.

**SUNCOURT INC.  
500 W. SECOND AVENUE  
P.O. BOX 40  
DURANT, IOWA 52747-0040**

**1-800-999-FANS (3267)**

Copyright © 2001/2002 Suncourt® Inc. All Rights Reserved