



Exhaust Fan Control

Owner's Manual



! WARNING: Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

Item #52830

SAVE THESE INSTRUCTIONS

Thank you very much for choosing a Strongway™ product!

For future reference, please complete the owner's record below:

Serial Number/Lot Date Code: _____

Purchase Date: _____

Save the receipt, warranty, and this manual. It is important that you read the entire manual to become familiar with this product before you begin using it.

This Exhaust Fan Control is designed for certain applications only. Northern Tool & Equipment is not responsible for issues arising from modification or improper use of this product such as an application for which it was not designed. We strongly recommend that this product not be modified and/or used for any application other than that for which it was designed.

For technical questions, please call **1-800-222-5381**.

Table of Contents

Intended Use.....4

Technical Specifications4

Important Safety Information4

Installation5

Operating Instructions.....6

Maintenance7

Replacement Parts7

Limited Warranty8

Intended Use

The Strongway Exhaust Fan Control is an efficient, easy-to-install, low-maintenance solution for keeping room air fresh.

Technical Specifications

Property	Specification
Volts	120V
Amps	8A

Important Safety Information

WARNING

- Read and understand all instructions. Failure to follow all instructions may result in serious injury or property damage.
- The warnings, cautions, and instructions in this manual cannot cover all possible conditions or situations that could occur. Exercise common sense and caution when using this fan control. Always be aware of the environment and ensure that the tool is used in a safe and responsible manner.
- Do not allow persons to operate or assemble the fan control until they have read this manual and have developed a thorough understanding of how it works.
- Do not modify this fan control in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.
- Use the right tool for the job. DO NOT attempt to force small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. It will be safer and do a better job at the capacity for which it was intended. DO NOT use this equipment for a purpose for which it was not intended.
- Industrial or commercial applications must follow OSHA requirements.

WARNING

WORK AREA SAFETY

- Inspect the work area before each use. Keep work area clean, dry, free of clutter, and well-lit. Cluttered, wet, or dark work areas can result in injury.
- Keep children and bystanders away from the work area while operating the fan control. Do not allow children to handle the fan control.
- Do not mount in an area which will allow the control to come in contact with moisture.

WARNING

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating the fan control. Do not use the fan control while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the tool may result in serious personal injury.

- Wear the proper personal protective equipment when necessary. Use ANSI Z87.1 compliant safety goggles (not safety glasses) with side shields, or when needed, a face shield. Use a dust mask in dusty work conditions. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate. This applies to all persons in the work area.
- Do not overreach. Keep proper footing and balance at all times.

⚠WARNING

ELECTRICAL SAFETY

- Disconnect power supply before wiring connections are made to prevent possible electric shock or damage to equipment.
- Do not allow the fan control to come into contact with an electrical source. The fan control is not insulated and contact will cause electrical shock.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Do not expose to rain or wet conditions. Water entering the speed controller will increase the risk of electric shock.
- To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, or a motor-operated appliance.
- All wiring should conform to the National Electrical Code in the United States and local regulations.
- Make certain the entire installation is grounded as a precaution against possible electrical shock.
- Do not exceed maximum amperage rating of the control as overloading can result in damage to ceiling fan and control.
- When wiring an electrical appliance or device follow all electrical and safety codes, as well as the most recent United States National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

⚠CAUTION

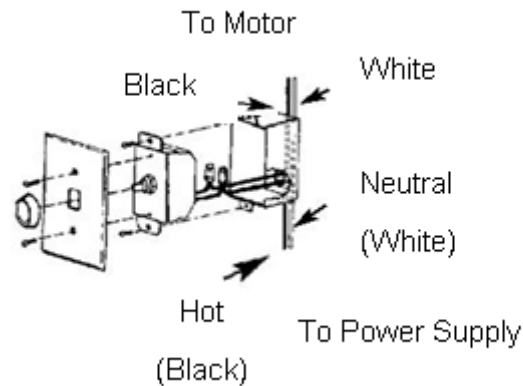
FAN CONTROL USE AND CARE

- Do not use a fan control with a malfunctioning switch. Any power tool that cannot be controlled with the power switch is dangerous and must be repaired by an authorized service representative before using.
- Disconnect the power/air supply from the product and place the switch in the locked or off position before making any adjustments or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
- Store the product when it is not in use. Store it in a dry, secure place out of the reach of children. Inspect the tool for good working condition prior to storage and before re-use.

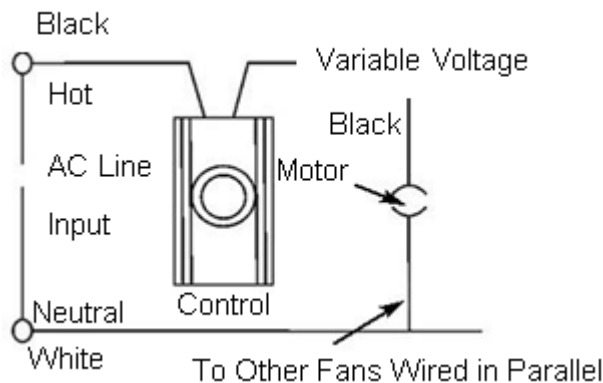
Installation

1. Turn the power off at the circuit breaker panel or fuse box.
2. Mount the control to a standard single gang wall box.

3. Run the conduit between the wall box, the power source, and the fan units being controlled. Leave approximately 4" of wire in the box for connections.



4. Create the same wiring connections shown below. Connect the black from the supply to one black of the control. Connect the second black of the control to the black from the fan motor. Connect the white from the supply to the white of the fan motor. Make sure that the wire strands are straight and attach the wire leads of the control to the circuit wires by twisting them together. Twist a wire nut onto each connection.
5. Alignment – The arrow mark is pointing upward for the upright position. The cover dent on the cover plate shows the upward position.

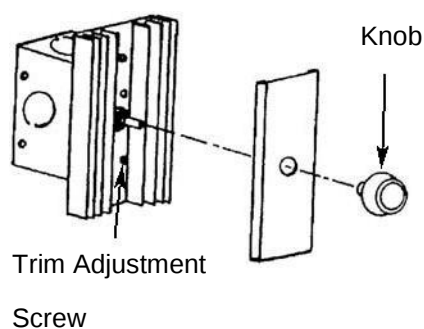


6. When any solid state speed control is used, a humming noise will be present in the fan on low speed. This hum does not affect the operation of the fan and is acceptable in most commercial/industrial installations.

Operating Instructions

Note: The factory preset, low speed setting is normally acceptable in most installations. In the event that a slower speed is desired, read the following additional instructions:

1. To change the minimum speed setting, set the control on the low setting and remove the knob and black cover plate.
2. Adjust the trim setting through the access opening in the front of the control using a small insulated flat tipped screwdriver. With fans running on the low speed setting, trim the adjustment screw slightly counterclockwise to further reduce speed.
3. Allow time for fans to slow (approximately one minute) before proceeding with further adjustment.
4. After the final setting, replace black cover plate and knob.



Maintenance

Maintain the fan control by adopting a program of conscientious repair and maintenance in accordance with the following recommended procedures. It is recommended that the general condition of any tool be examined before it is used. Keep your fan control in good repair.

Replacement Parts

- For replacement parts and technical questions, please call Customer Service at **1-800-222-5381**.
- Not all product components are available for replacement.
- When ordering parts, the following information will be required: item description, item model number, item serial number/item lot date code, and the replacement part reference number.
- The distributor reserves the rights to make design changes and or improvements to product lines and manuals without notice.

Limited Warranty

Northern Tool and Equipment Company, Inc. ("We" or "Us") warrants to the original purchaser only ("You" or "Your") that the Strongway product purchased will be free from material defects in both materials and workmanship, normal wear and tear excepted, for a period of **one year** from date of purchase. The foregoing warranty is valid only if the installation and use of the product is strictly in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. If the product does not comply with this limited warranty, Your sole and exclusive remedy is that We will, at our sole option and within a commercially reasonable time, either replace the product or product component without charge to You or refund the purchase price (less shipping). This limited warranty is not transferable.

Limitations on the Warranty

This limited warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us, with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.

Obligations of Purchaser

You must retain Your product purchase receipt to verify date of purchase and that You are the original purchaser. To make a warranty claim, contact Us at 1-800-222-5381, identify the product by make and model number, and follow the claim instructions that will be provided. The product and the purchase receipt must be provided to Us in order to process Your warranty claim. Any returned product that is replaced or refunded by Us becomes our property. You will be responsible for return shipping costs or costs related to Your return visit to a retail store.

Remedy Limits

Product replacement or a refund of the purchase price is Your sole remedy under this limited warranty or any other warranty related to the product. We shall not be liable for: service or labor charges or damage to Your property incurred in removing or replacing the product; any damages, including, without limitation, damages to tangible personal property or personal injury, related to Your improper use, installation, or maintenance of the product or product component; or any indirect, incidental or consequential damages of any kind for any reason.

Assumption of Risk

You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.

Governing Law

This limited warranty gives You specific legal rights, and You also may have other rights which vary from state to state. Some states do not allow limitations or exclusions on implied warranties or incidental or consequential damages, so the above limitations may not apply to You. This limited warranty is governed by the laws of the State of Minnesota, without regard to rules pertaining to conflicts of law. The state courts located in Dakota County, Minnesota shall have exclusive jurisdiction for any disputes relating to this warranty.



Distributed by:

Northern Tool & Equipment Company, Inc.

Burnsville, Minnesota 55306

www.northerntool.com

Made in China