



5
YEAR

SATISFACTION
GUARANTEE

models
160, 360, 460, 660

WHOLE ROOM CIRCULATOR OWNER'S GUIDE

GUÍA DEL PROPIETARIO DEL
CIRCULADOR DE AIRE PARA TODA
LA HABITACIÓN

GUIDE DE L'UTILISATEUR DU
VENTILATEUR INTÉGRAL DE PIÈCE

READ AND SAVE THESE INSTRUCTIONS

LEER Y GUARDAR ESTAS
INSTRUCCIONES

LISEZ ET CONSERVEZ CES
INSTRUCTIONS

www.vornado.com

we expect
this product
to be **PERFECT**

if it's not
WE will make
it right.

www.vornado.com
800.234.0604
help@vornado.com

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IMPORTANT INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING.

This owner's guide and any additional inserts are considered part of the product. They contain important information about safety, use, and disposal. Before using the product, please familiarize yourself with all operating and safety instructions. Please keep all documents for future reference and pass these documents on, together with the product, to any future owner.

The following Warning messages are throughout this owners guide:

DANGER

Indicates a hazard with a HIGH level of risk which, if not avoided, will result in death or serious injury. Please pay special attention to any instructions given to avoid this threateningly dangerous risk.

WARNING

Indicates a hazard with a MEDIUM level of risk which, if not avoided, could result in death, serious injury, minor or moderate injury or potential property damage.

INTENDED USE: This product is intended to circulate the air in indoor living spaces only. This product is not intended for commercial or industrial uses.

The manufacturer assumes no responsibility for damage or injury caused by failure to follow these instructions, improper product use, or unauthorized product modification. Any such actions will invalidate the product warranty.

 **WARNING** – When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

WARNING

Risk from Unintended Use and Handling. Please take care to follow these guidelines to avoid risks to people or property.

- **Do Not** tamper with or modify this product in any way.
- To reduce the risk of fire and electrical shock and injury to persons, **Do Not** use this product in a window.
- **Do Not** immerse this product in water or allow water to drip into motor housing.
- **Do Not** run cord under carpeting. **Do Not** cover cord with throw rugs, runners, or similar coverings. **Do Not** route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- **Do Not** operate any product with a damaged cord or plug after the circulator malfunctions, has been dropped or damaged in any manner. Discard circulator, or return to authorized service facility for examination and/or repair in order to avoid a hazard.
- **Do Not** attempt to repair or replace parts.
- **Do** unplug your circulator before moving or cleaning.
- **Do** clean your circulator regularly. Refer to the CLEANING instructions provided. Never clean the air circulator in any manner other than as instructed in this manual.
- **Do Not** use gasoline, thinners, solvents, ammonias or other chemicals for cleaning.
- **Do Not** use near furnaces, fireplaces, stoves or other high-temperature heat sources.
- **Do Not** position this product too close to draperies because they may be drawn into the rear grill, cutting off airflow.

- **Do Not** carry this product by the cord, or use the cord as a handle.
- Use this circulator only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

DANGER

Risk from Electrical Shock. Contact with wires or components that are under voltage could be potentially fatal!

- **Do Not** use this product outdoors or exposed to weather or elements.
- **Do Not** use this product on wet surfaces. **Do Not** use this product in a bathtub or shower or position product where it may fall into a bathtub, laundry, swimming pool or other water container.
- **Do Not** use this product if it has a damaged power cord or plug. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.
- To reduce the risk of fire or electrical shock, **Do Not** use this product with any solid state speed control device.
- **Do Not** stretch the power cord or put the cord under strain.
- **Do Not** insert or allow foreign objects to enter any input or output opening as this may cause risk of electric shock or fire, or damage the product.
- **Do Not** open appliance housing. To avoid risk of shock, all service and/or repairs must be done by a Vornado Authorized Service Center. Only original replacement parts may be used.
- This appliance has a polarized plug. (One blade is wider than the other.) To reduce the risk of electrical shock, this plug is

intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. **Do Not** attempt to defeat this safety feature.

WARNING

Risk from Electrical Connections. Please pay attention to any instructions given to avoid personal injury or property damage.

- A loose fit between wall outlet (receptacle) and plug may cause overheating and distortion of the plug. Discontinue use of the product in this outlet. Contact qualified electrician to replace loose or worn outlet.
- To disconnect circulator, turn controls to off, then remove plug from outlet.

WARNING

Risk to Children and Other at Risk Groups of People.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children should be supervised to ensure that they do not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- This product and its packaging material are not toys and should be kept out of reach of children.

IMPORTANT INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING.

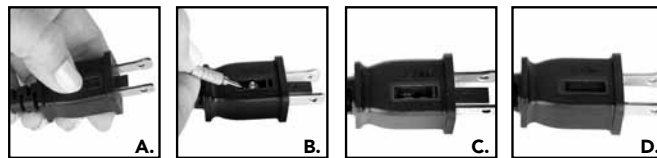
This product employs overload protection (fuse). A blown fuse indicates an overload or short-circuit situation. If the fuse blows, unplug the product from the outlet. Replace the fuse as per the user servicing instructions (follow product marking for proper fuse rating) and check the product. If the replacement fuse blows, a short-circuit may be present and the product should be discarded or returned to an authorized service facility for examination and/or repair.

User Servicing Instructions

Grasp plug and remove from the receptacle or other outlet device. Do not unplug by pulling on cord. Open fuse cover (A.) by sliding access cover on top of attachment plug towards blades. Remove fuse carefully (B.) by gently prying out the ends of the fuse from the receptacle.

Risk of fire. Replace fuse only with 2.5 Amp, 125 Volt fuse. Contact Vornado customer service for replacement fuse.
Phone: 1-800-234-0604, email: consumerservice@vornado.com

Install replacement fuse (C.) by first placing the end of the fuse into the fuse receptacle which is opposite of the blades of the plug, then carefully push in the other end. Only push against the metal end of the fuse, not the glass center portion. Close the fuse access cover (D.) by sliding the cover back into the plug until it is completely closed, latches and is flush with the face of the plug. Risk of fire. Do not replace attachment plug. Contains a safety device (fuse, AFCI, LCDI) that should not be removed. Discard product if the attachment plug is damaged.



WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

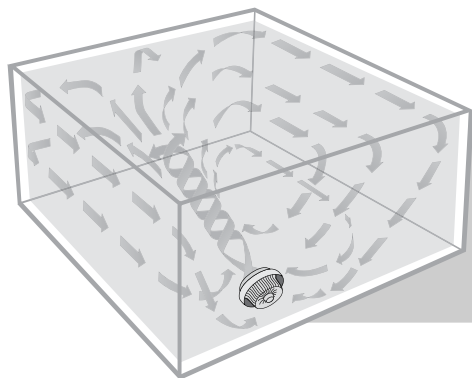
This equipment may generate, use and/or radiate radio frequency energy that may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to contact Vornado Consumer Service at 1-800-234-0604.

SAVE THESE INSTRUCTIONS

Please keep all documents for future reference and pass these documents on, together with the product, to any future owner.

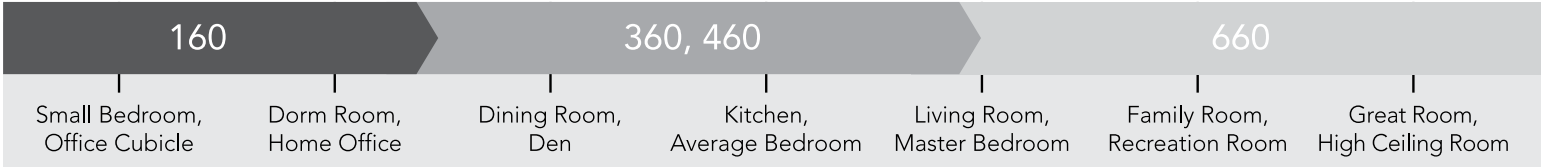
WHOLE ROOM CIRCULATION

The Vornado's signature Whole Room Circulation delivers continuous, uniform air circulation to the entire room. Cool only the rooms that you are in and not the entire house.



MAXIMIZE YOUR COOLING EFFICIENCY

A Vornado circulates all the air in the room so everyone is comfortable. Air in motion feels cooler than air that is stagnant. By providing whole room circulation, a Vornado allows you to turn the thermostat up 5°F – saving energy and money – without sacrificing comfort.



FEATURES



Save energy by maximizing the performance of heating and cooling systems. When you use a Vornado Air Circulator, you will not have to set your summertime thermostat as low or your wintertime thermostat as high. Refer to page 9 for further details.

CONTROLS

160 CONTROL KNOB



360 & 460 CONTROL KNOB



660 BUTTONS



DIRECTABLE AIRFLOW

Direct the
airflow where
you want it.



MULTIPLE SPEEDS

Speed setting for every
comfort level.

FINGER FRIENDLY DESIGN

Resists curious fingers.

REMOVABLE GRILL

For easy cleaning.

AIR INLETS

Signature inlets and
powerful motor to move
more air.

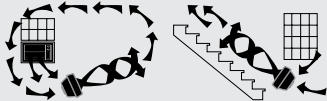
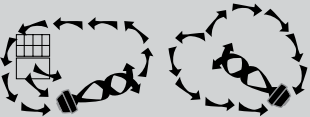
SILICON FEET

Non-marking feet added for
stability.

CIRCULATION 101

GETTING THE MOST OUT OF YOUR VORNADO - ALL YEAR LONG

With Vornado Air Circulators, you can save money on energy bills by adjusting your thermostat several degrees and still maintaining the same comfort level.

 SUMMER: Use your home's air conditioning system to create brisk, comforting air movement.  <i>Use with central or window air conditioning</i> <i>Push cool air up stairs</i>	 SPRING & FALL: Make the indoors as fresh and pleasant as the outdoors.  <i>Circulate fresh outdoor air</i> <i>Even room temperature</i>	 WINTER: Use with other heat sources to circulate their warmth. Do not point the circulator at open flames.  <i>Increase the efficiency of heating sources</i> <i>Replace cold floor air with warm ceiling air</i>
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HOW TO USE

Before use, check appliance for visible damage. **DO NOT USE THIS CIRCULATOR** if there is evidence of damage. If any damage is found, contact Vornado Air LLC at 1-800-234-0604.

1. Plug in and position the circulator so airflow is not obstructed.

2. Set desired speed and allow a few minutes for an airflow pattern to be established. Different airflow patterns can be established by changing the location, angle and speed. Adjust until a desired comfort level is achieved.

CLEANING

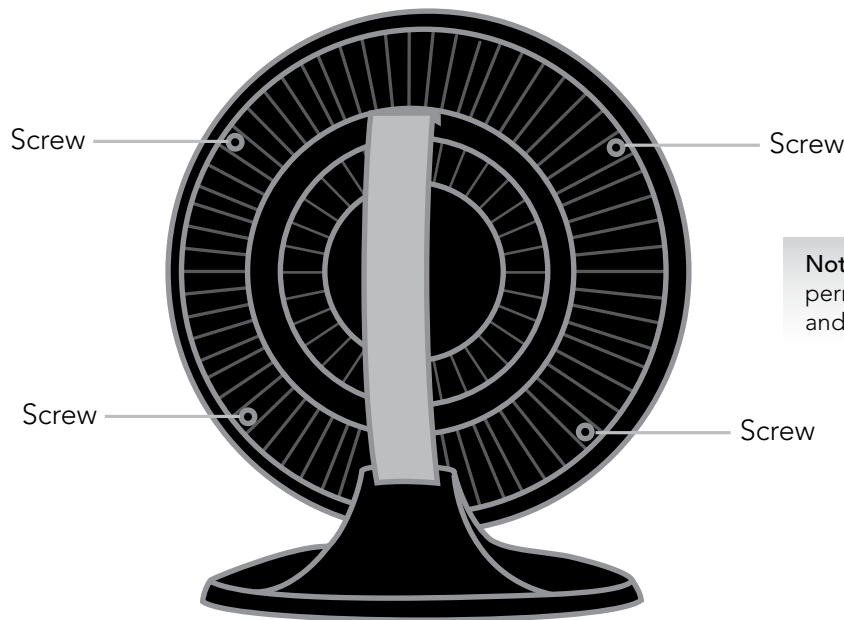
GRILL REMOVAL (MODEL 160) *Screwdriver required.*

WARNING: To reduce the risk of electrical shock and injury to persons, unplug the circulator before removing grill.

1. To release the Front Grill, remove the 4 screws located on the back of the inlet grill, located roughly at 2, 5, 7 and 10 o'clock positions.
2. Dust or wash Front Grill with a mild dishwashing soap. Do not place grill in the dishwasher. The excessive heat can distort the plastic.
3. To reattach - position the Front Grill so the Vornado logo in the center of the Front Grill is straight. Replace all the screws.



Use the brush attachment on your household vacuum cleaner to vacuum any accumulated dust off the Front Grill and Air Inlets.



Note: The motor is permanently lubricated and requires no oiling.

CLEANING

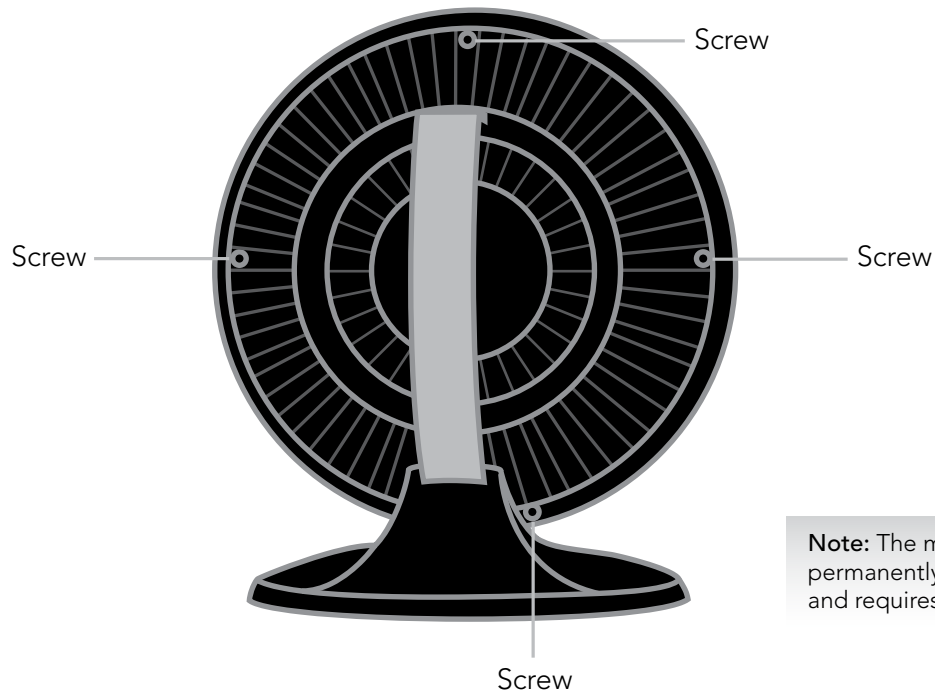
GRILL REMOVAL (MODEL 360 & 460) *Screwdriver required.*

WARNING: To reduce the risk of electrical shock and injury to persons, unplug the circulator before removing grill.

1. Feel for bumps on back of product, close to inlets, that help to locate screws at roughly 12, 3, 6 and 9 o'clock positions. Remove the 4 screws located at these positions, releasing the grill.
2. Dust or wash Front Grill with a mild dishwashing soap. Do not place grill in the dishwasher. The excessive heat can distort the plastic.
3. To reattach - position the Front Grill so the Vornado logo in the center of the Front Grill is straight. Replace all the screws.



Use the brush attachment on your household vacuum cleaner to vacuum any accumulated dust off the Front Grill and Air Inlets.



Note: The motor is permanently lubricated and requires no oiling.

CLEANING

GRILL REMOVAL (MODELS 660) *Screwdriver required.*

WARNING: To reduce the risk of electrical shock and injury to persons, unplug the circulator before removing grill.

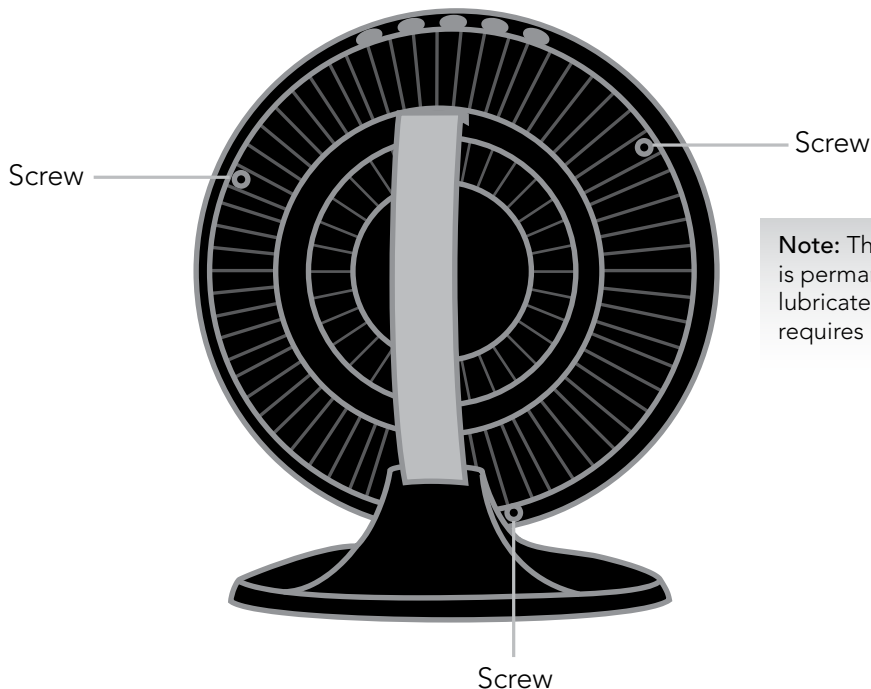
1. To release the Front Grill, remove the 3 screws on the back of the inlet grill, located at roughly 10, 2 and 6 o'clock positions.

2. Dust or wash Front Grill with a mild dishwashing soap. Do not place grill in the dishwasher. The excessive heat can distort the plastic.

3. To reattach - position the Front Grill so the Vornado logo in the center of the Front Grill is straight. Replace all the screws.



Use the brush attachment on your household vacuum cleaner to vacuum any accumulated dust off the Front Grill and Air Inlets.



Note: The motor is permanently lubricated and requires no oiling.

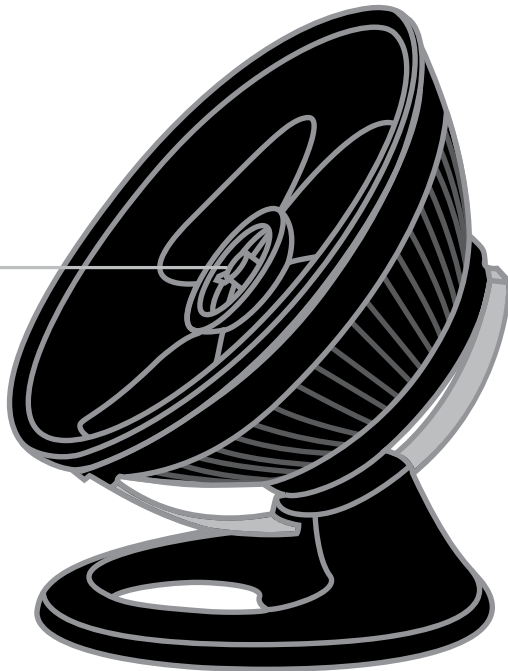
CLEANING

BLADE REMOVAL *Pliers required.*

WARNING: To reduce the risk of electrical shock and injury to persons, unplug the circulator before removing blade.

1. First, remove the nut from the shaft by turning the nut **clockwise** to loosen. Pull the blade straight out from the shaft.
2. Wipe the Blade with a damp cloth. If your circulator is used in a greasy environment, such as a kitchen, mild soap or a common household cleaner may be necessary. Do not use solvents. Do not place blade in the dishwasher. The excessive heat can distort the plastic.
3. To reattach - be certain the flat side of the shaft aligns directly with the corresponding flat side on the blade's socket. Push the blade all the way on the shaft until it bottoms out. **Do not use a hammer as this could result in bearing damage.** Reinstall nut.

Remove Nut
Clockwise



TROUBLESHOOTING

PROBLEM

POSSIBLE CAUSE AND SOLUTION

The unit fails to power on.

Unit is not plugged in. Plug Power Cord into electrical outlet.

Ensure unit fan speed setting is selected.

Plug fuse has blown. Replace fuse (See USER SERVICING INSTRUCTIONS on page 6).

Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance.

The outlet is worn or damaged. Try another outlet or contact a qualified electrician.

Airflow is weak or slow.

Unit set to a low speed setting. Adjust to a higher speed setting.

Airflow is blocked. Remove obstruction.

Adjust direction of airflow towards the user.

GFCI has tripped.

Under certain conditions, it is possible for a reset GFCI (Ground Fault Circuit Interrupter) outlet to trip when the user is changing speeds on a Vornado circulator. In this event, change to an outlet that is not connected to a GFCI device. It could also indicate a weak or defective GFCI outlet. Contact a qualified electrician to check the GFCI outlet.



WARRANTY

We expect this product to be perfect. If you're not satisfied with this product, let us know.

We're Here To Help
800.234.0604
www.vornado.com
help@vornado.com

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Whole Room Circulator ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost.

For warranty or repair service:

Call 1-800-234-0604 or email help@vornado.com to obtain a Return Authorization ("RA") form. Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code and phone number when contacting Vornado for warranty service.

After receiving the RA form, ship your Product to:

Vornado Air LLC Attn: Warranty & Repair 415 East 13th Street Andover, KS 67002. For your convenience, please have your model number and serial number when contacting Vornado with service inquiries. To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock. Please allow 1-2 weeks for repair and return of your Product after the Product is received.

Repairs not covered by the warranty or outside the warranty period will require a fee to cover the cost of materials, labor, handling and shipping. This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, repair or service of the Product by anyone other than Vornado, mishandling, improper maintenance, commer-

cial use of the Product, damages which occur in shipment or are attributed to acts of God. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

All company names and product names are trademarks of their respective owners. © All rights reserved. All technical information, data, and instructions for the installation, connection, and operation contained in these instructions for use correspond to the latest available information at time of printing. The contents of this manual may differ slightly from the actual product. Observe any additional supplements.

The manufacturer assumes no responsibility for damage or injury caused by failure to follow these instructions, improper product use, or unauthorized product modification. Any such actions will invalidate the product warranty.

Any unauthorized product modification, repair by unauthorized repair center, or use of non-approved replacement parts is not recommended and any consequences will not be covered by support services or product warranties.



Designed, engineered and supported in Andover, KS

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