
veent
The learning fan

Please Read and Save These Instructions

Safety Information

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

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

b) Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards, such as those published by the National Fire Protection Association (NFPA), the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

c) When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.

d) Ducted fans must always be vented to the outdoors.

e) If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) - protected branch circuit.

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

3.) Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means 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.

4.) This ventilation fan is approved for use over a bathtub or shower when installed in a GFCI protected circuit. Do not use unapproved fans over a bathtub or shower that is not approved for that application.

5.) Install ductwork in a straight line with minimal bends.

6.) Use 120 V, 60 Hz for the electrical supply and properly ground the unit. Follow all local safety and electrical codes.

7.) Do not use this fan with any solid-state control device; such as a dimmer switch. Solid-state controls may cause harmonic distortion, which can cause a motor humming noise, as well as increase risk of fire or electric shock.

8.) To reduce the risk of fire or electric shock, do not block air entry grille.

9.) Mount with the lowest moving parts at least 2.5 m (8.2 feet) above floor or grade level. Follow the heating equipment manufacturer's guideline and safety standards, such as those published by the National Fire Protection Association (NFPA), the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

WARNING: Not suitable for use as a range hood.

CAUTION: For General Ventilating Use Only - Do Not Use To Exhaust Hazardous Or Explosive Materials And Vapors.

CAUTION: Do not install in locations where the temperature will exceed 104°F (40°C).

IMPORTANT: Exercise care to not damage existing wiring when cutting or drilling into walls or ceilings.

NOTE: Make sure duct work size is a minimum of the discharge. Do not reduce. Reducing the duct size can increase fan noise.

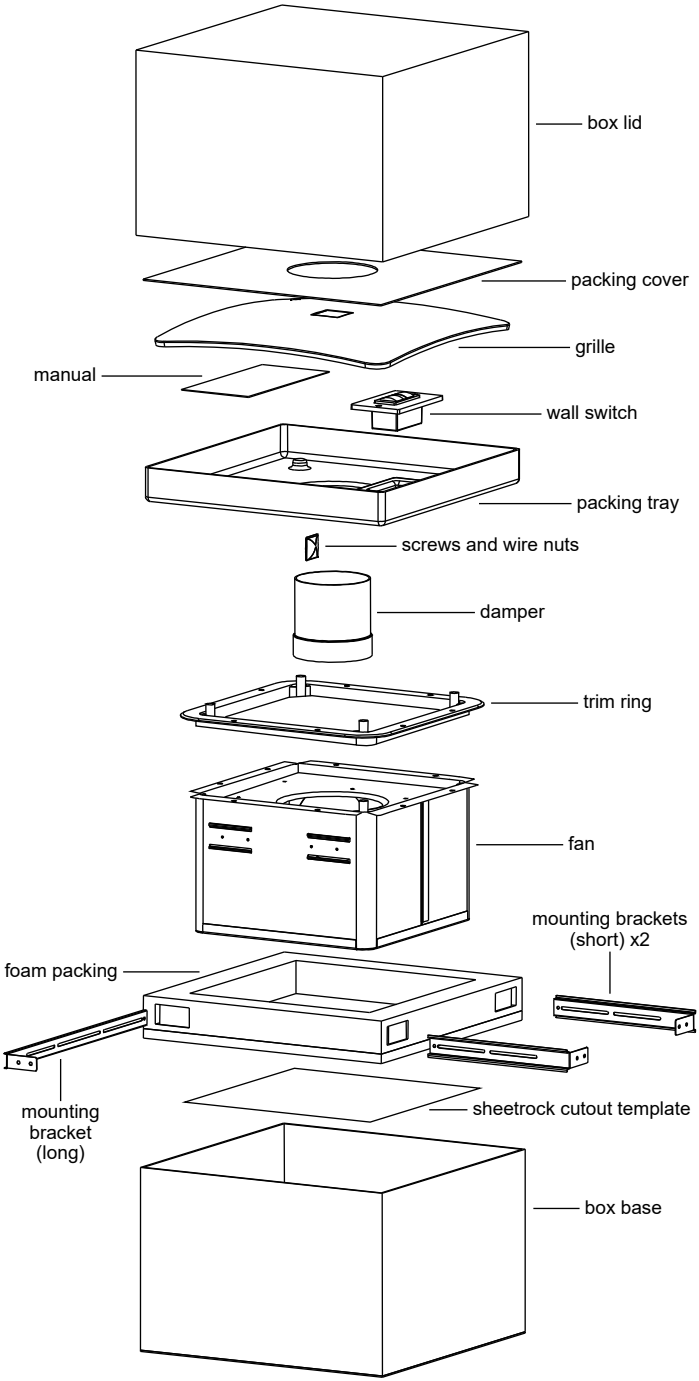
IMPORTANT: You may want to consult with a professional electrician regarding the wiring of your ventilation fan.

WARNING: To reduce the risk of electric shock, please disconnect the electrical supply circuit before servicing.

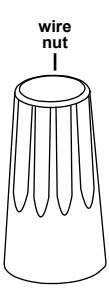
CAUTION: This product must be properly grounded.

Go to veent.com to obtain a copy of this manual.

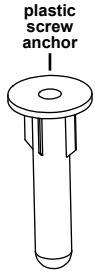
What's Inside The Box



Screws and Wire Nuts



Qty = 6



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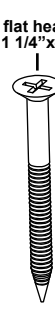

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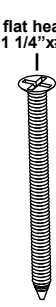


Qty = 8

Qty = 2

Specifications

NOTE: Some specifications show a range of values instead of a fixed value. This is because the values will change depending on the settings you select.

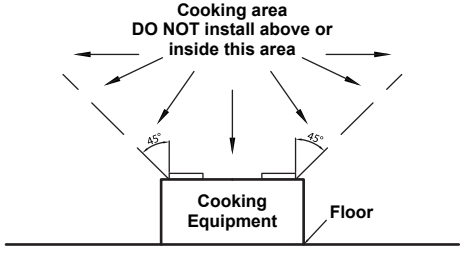
- **Model:** VT200
- **Exhaust Diameter:** 10.2 cm (4 in) or 15.2 cm (6 in) (6 in adaptor not included)
- **Voltage (V):** 100-250 volts AC
- **Frequency (Hz):** 50/60 hertz
- **Fan Load (W):** 18 watts
- **Light Load (W):** 11 watts
- **Total Load (W):** 29 watts
- **Air Flow for 4” vent pipe:** 40-120 CFM (pi³/min)
- **Air Flow for 6” vent pipe:** 40-140 CFM (pi³/min)
- **Item Weight Without Packaging:** 5 kg (11 lbs)
- **Item Weight With Packaging:** 6.8 kg (15 lbs)
- **Noise (Sones):** less than 0.3 sone (low speed) to 1.3 sone (high speed)
- **Housing Dimensions:** 27.6 cm (10 7/8 in) length x 27.6 cm (10 7/8 in) width x 18.6 cm (7 5/16 in) depth
- **Grille Dimensions:** 36.4 cm (14 5/16 in) length x 36.4 cm (14 5/16 in) width x 3.8 cm (1 1/2 in) depth
- **Grille Finish:** white
- **Motor:** DC perm-mag motor

Planning Your Installation

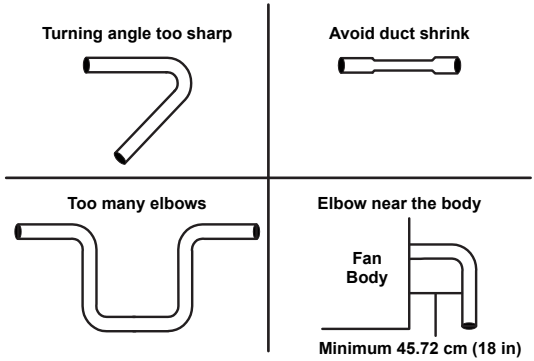
When installing the ventilation fan in a new construction site, install the main body of the fan and duct work during the rough-in construction of the building. The grille should be installed after the finished ceiling is in place.

When installing in existing construction, use the provided cut out template for the ceiling. Grille edge should overlap finished ceiling.

Not for use in cooking area - see installation instructions.



Do not install ventilation fan in areas where the duct work will require configuration as shown.



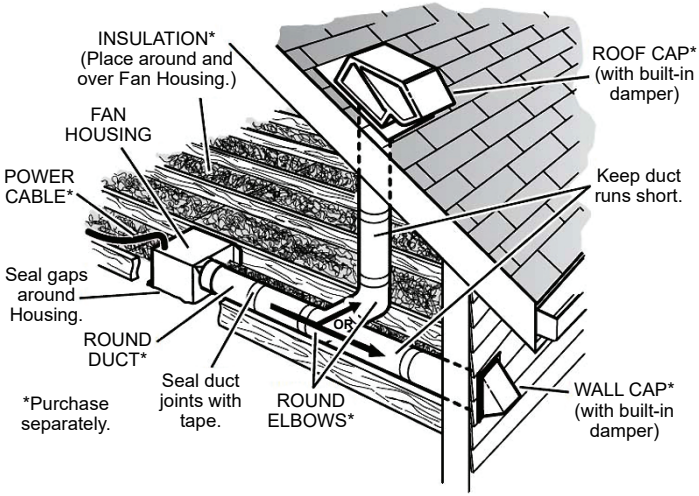
NOTE: If installing in existing construction, you may need to have access to space above and below the installation location.

We recommend installing the ventilation fan by securing the main body of the fan against one ceiling joist and using the header bars as necessary for support of the adjoining joist.

There are multiple installation configurations possible for this ventilation fan. Not all configurations are shown. If your installation requires a variation other than those shown, consult with a licensed contractor to determine the best installation for your project. If you are replacing an existing fan, ensure that the new grille will adequately cover the existing opening.

Connecting the Duct

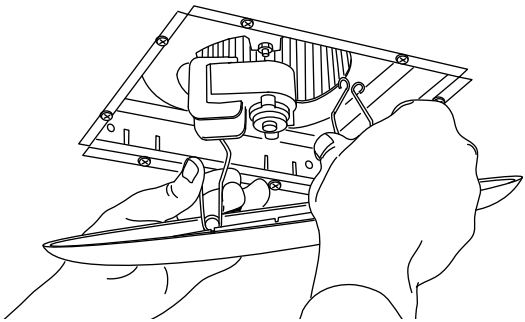
- Install a circular duct to outlet and secure it with duct tape or clamps.
- Install the duct (G) to the outlet with a gradient 1°~2° to the outside as shown.
- The ducting from this fan to the outside of the building has a strong effect on the air flow, noise and energy use of the fan. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated airflow.
- 10.16 cm (4 in) round is recommended for best performance.
- Ensure duct joints and exterior penetrations are sealed with caulk or other similar material to create an air-tight path, to minimize building heat loss and gain, and to reduce the potential for condensation.
- Place/wrap insulation around duct and/or fan in order to minimize possible condensation buildup within the duct, building heat loss and gain.



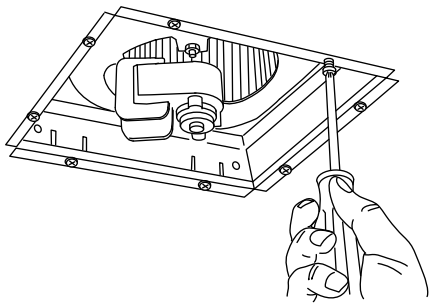
Removing Your Old Fan

1.) Disconnect the electrical power supply and lock out the service panel for the existing fan.

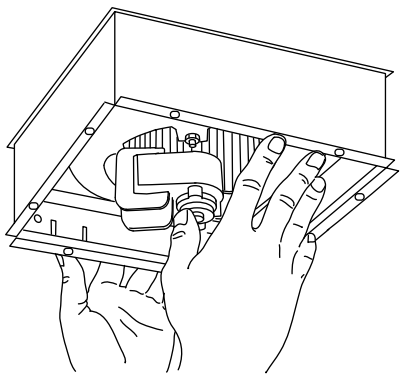
2.) Remove the grille from the existing fan. Pull the grille down to expose it's two springs. Squeeze each spring together and pull down again to release the springs from the motor plate slots.



3.) Your existing fan may be attached in several ways. Look for attachment screws in the ceiling and remove. Your fan may also be attached on the attic side and this will require you to access it from the attic. Locate attic attachment screws and remove.



4.) Remove the old fan.



Connect the Wiring

WARNING: Disconnect the AC power before any work is done to any part of the circuit Veent is connected to. If you do not understand this warning, seek the services of a qualified licensed electrician.

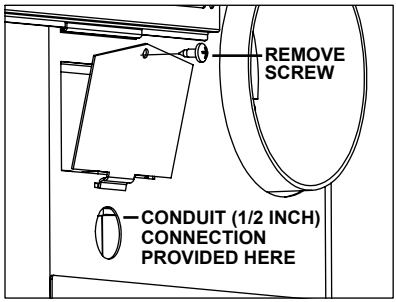
WARNING: COPPER TO COPPER ONLY. Do not use aluminum wire.

WARNING: Follow all local electrical and safety codes, and NEC (National Electrical Codes).

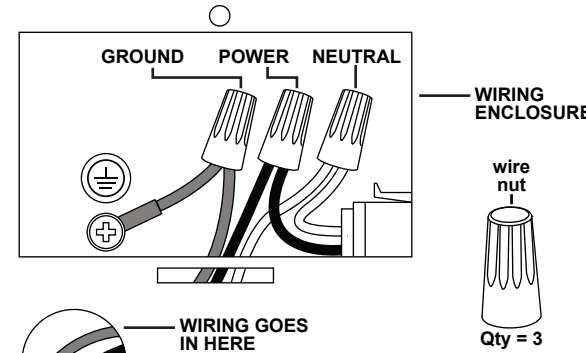
CAUTION: Never place a switch where it can be reached from a tub or shower.

CAUTION: All electrical connections MUST follow the NEC (National Electrical Code). If your house wires do not match these colors, determine what each house wire represents before connecting. You may need to consult a licensed electrician to determine this safely.

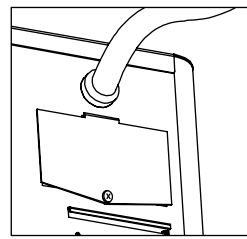
1.) Open up wiring enclosure and insert existing wiring.



2.) Match wires (power to power, neutral to neutral, ground to ground) and connect them using wire nuts.

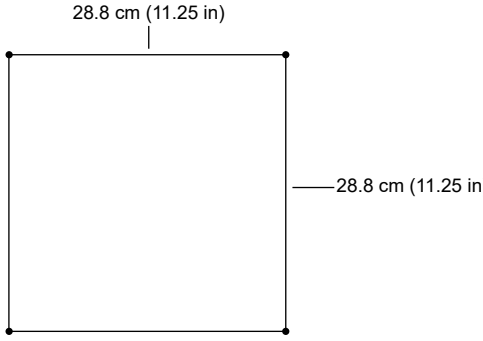


3.) Reattach wiring enclosure door and screw.



Installing the Fan from Above the Ceiling

1.) Use the included template to mark your ceiling before attempting to cut the sheet rock.

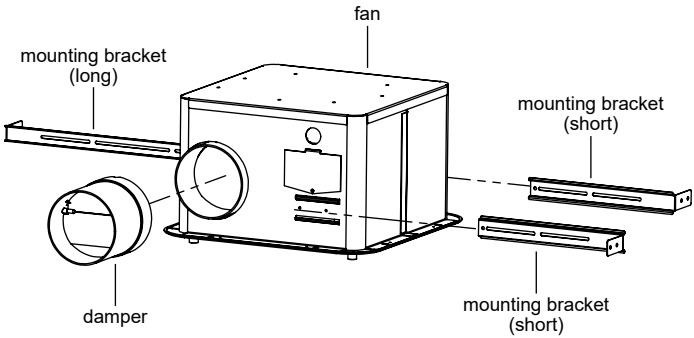


2.) You can use the included template to increase your existing fan opening size.

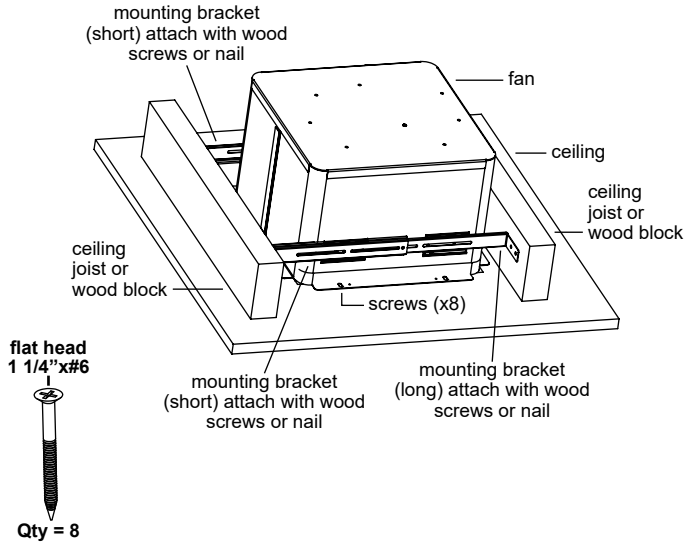
3.) Tape or pin the template to the wall or ceiling location. Mark each corner dot with a pen, pin or small nail. Remove the template and use the marks to draw a cutting line on your wall of ceiling. Using a correct sheet rock saw, make your cut and remove excess sheet rock.

⚠ **WARNING:** Disconnect all AC Power Breakers or Fuses before attempting to cut into your ceiling.

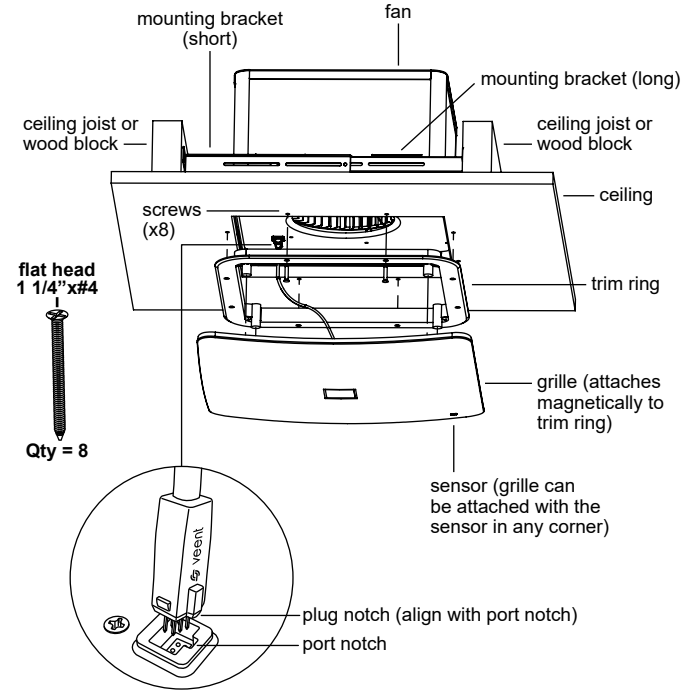
4.) Fan assembly.



5.) Brace and secure fan to existing ceiling joists or add wood blocks if needed.

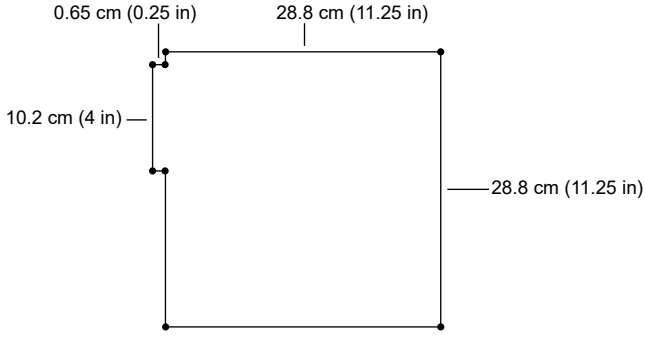


6.) Screw trim ring through sheet rock and into fan metal housing, Then plug grille into fan body connection and attach grille.



Roomside Fan Installation

1.) Use the included template to mark your ceiling before attempting to cut the sheet rock.

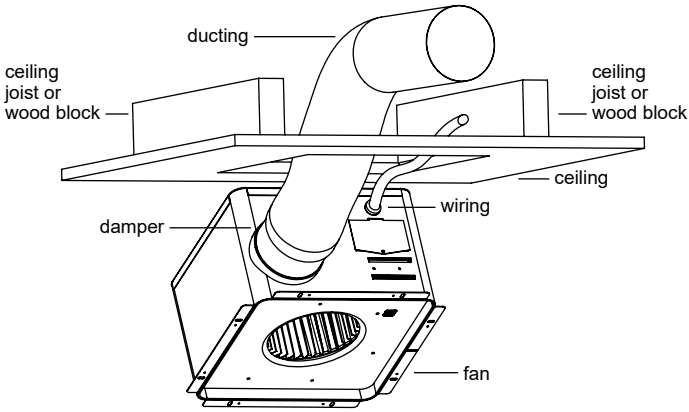


2.) You can use the included template to increase your existing fan opening size.

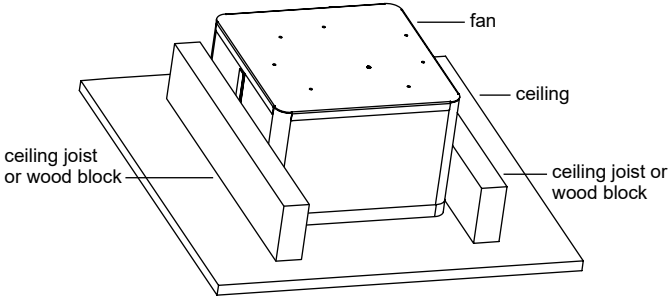
3.) Tape or pin the template to the wall or ceiling location. Mark each corner dot with a pen, pin or small nail. Remove the template and use the marks to draw a cutting line on your wall of ceiling. Using a correct sheet rock saw, make your cut and remove excess sheet rock.

⚠ **WARNING:** Disconnect all AC Power Breakers or Fuses before attempting to cut into your ceiling.

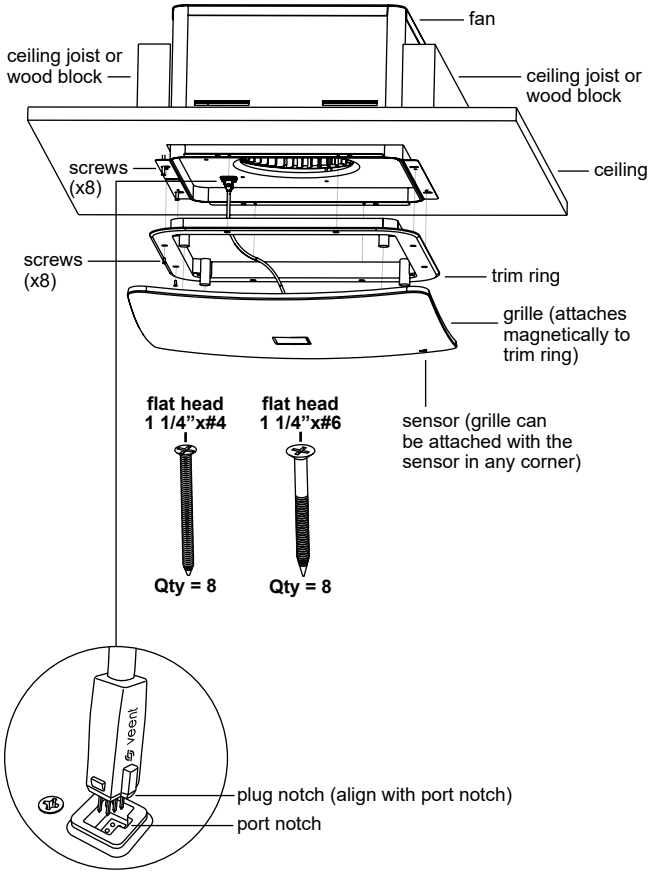
4.) Tip fan into ceiling.



5.) Wood blocks may be needed to make sure your fan is securely installed. Screw fan housing through sheet rock and into wood blocks as shown.



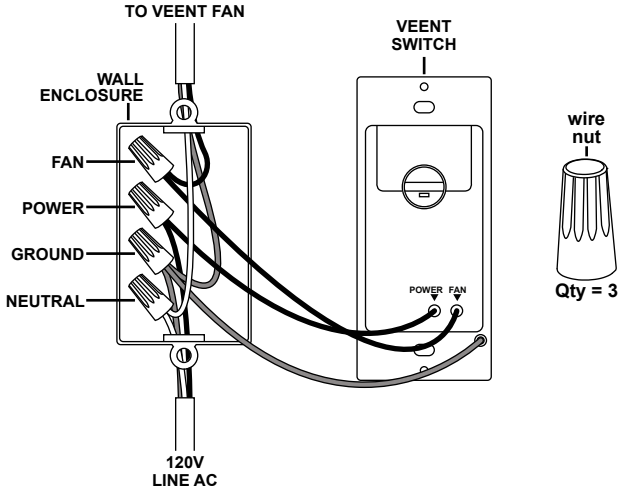
6.) Screw trim ring into fan metal housing, then plug grille into fan body connection and attach grille.



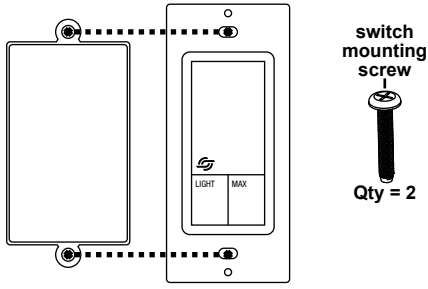
Connecting the Switch

WARNING: Veent must be used only with the Veent switch.

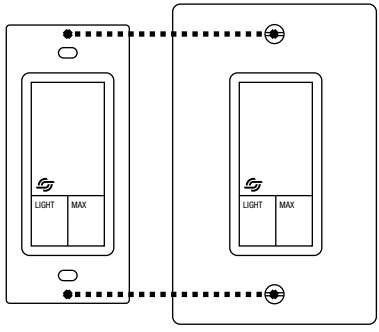
1.) Attach wires as shown.



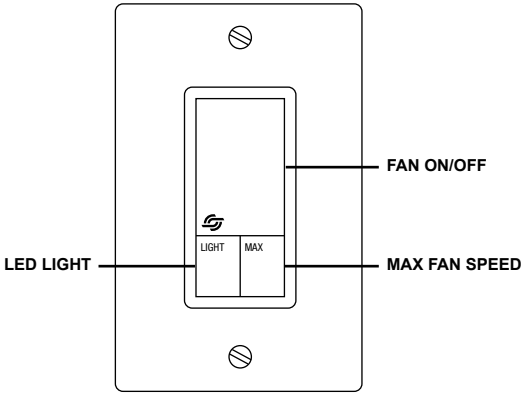
2.) Tuck wires into wall enclosure and fasten the switch to the wall enclosure with the two switch mounting screws provided.



3.) Attach the wall plate.



Using the Switch



Testing the Fan and Switch

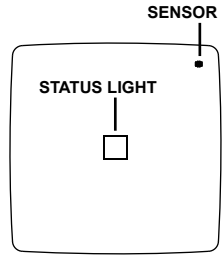
1.) After you have completely installed Veent and attached the wall plate on the switch, you can turn on the breaker to apply power.

⚠ **WARNING:** If the breaker trips or the fuse blows, STOP and call a qualified electrician to investigate the problem. Turn the breaker OFF until the problem has been corrected.

2.) Press the FAN ON/OFF button to see the fan turn ON, press the button again to see the fan turn OFF.

3.) Press the MAX FAN SPEED button to see the fan turn ON at maximum air flow, press the button again to see the fan turn OFF.

4.) Press the LED LIGHT button to see the fan light turn ON, press the button again to see the fan light turn OFF.

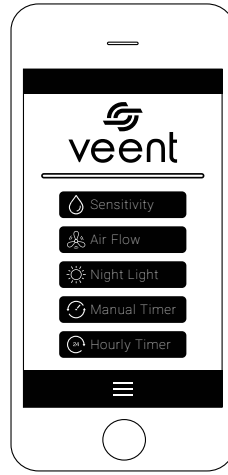


⚠ **ELECTRICAL SHOCK WARNING:**
Veent is an automatic ON device. At no time should a person work on Veent without the electrical circuit breaker or fuse switched OFF. Veent could turn ON because of the unintended presence of condensation while the work is being performed. Always disconnect the AC power before any work is done to any part of the circuit Veent is connected to. If you do not understand this warning, seek the services of a qualified licensed electrician.

Installing the App

How to Install an Android App:

1.) On your device, locate the Google play store App.
2.) Click on App and enter.
3.) In the search bar type "Veent".
4.) The Veent icon should be the first item that appears.
5.) Click on the Veent icon.
6.) Click the Install tab.
7.) Click continue.
8.) Accept the End User License Agreement (EULA) to download the App.
9.) Once complete, the Veent App is downloaded to the device.



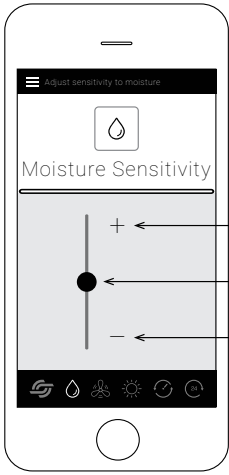
How to Install an iOS App:

1.) On your device, locate the App Store App.
2.) Click on App and enter.
3.) In the search bar type "Veent".
4.) The Veent icon should be the first item that appears.
5.) Click on the cloud icon to download the App.
6.) Once complete, the Veent App is downloaded to the device.

Pairing Veent with Your Personal Bluetooth Device

1.) Press and hold main fan button on the switch for 8 seconds. Once fan is in pairing mode you will see the center square status LED light pulse ON/OFF green.
2.) Open the Veent App on your cell phone, tablet, or laptop.
3.) Enter the App by touching any of the features on the home page to begin customizing Veent.
4.) Exit pairing by closing the App then press any button on the Veent switch.

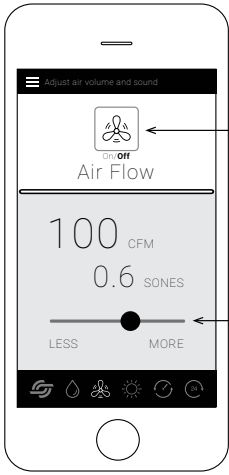
Using the App



If Veent isn't sensing moisture move circle icon in the plus direction to increase sensitivity

Touch and move circle icon up and down to adjust moisture sensitivity

If Veent is coming on frequently move circle icon in the minus direction to decrease sensitivity

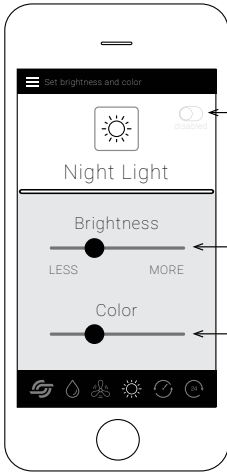


Fan On/Off: Touch the fan icon to turn fan on (blue) and off (white)

Adjust CFM (cubic feet per minute) and Sones (sound)

To adjust CFMs (cubic feet per minute) move circle icon more or less

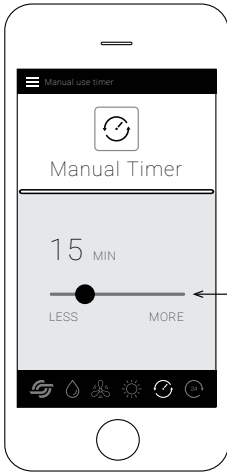
Typical Room Size: 10 CFM for every 100 cubic feet of bathroom space



Touch the toggle to enable/disable Night Light
Enable Night Light: Toggle right on (blue on)
Disable Night Light: Toggle left off (grey off)

Brightness: Touch and move circle icon to adjust brightness

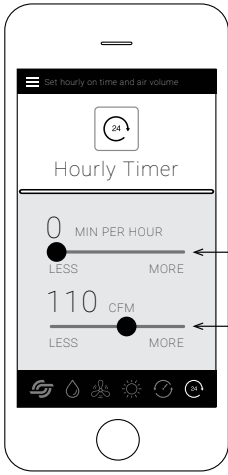
Color: Touch and move circle icon left to right adjust between colors
Cycle through 6 colors: Blue, Teal, Orange, Magenta, Green, and Lavender



This is the time Veent will remain ON after you press the switch fan ON or the Max button

Default Setting: 15 minutes

Touch and move the circle icon more or less to adjust timer



This setting instructs Veent to turn on for a designated time every hour

Default Setting: 0 minutes

Hourly Timer: Touch and move the Min Per Hour circle icon more or less to adjust (0 to 60 minutes)

CFM: Touch and move the CFM (cubic feet per minute) circle icon more or less to adjust (45 to 125 CFM)

Now you have set the time Veent will come ON each hour and you have set the fans air CFM (cubic feet per minute)

Care and Cleaning

⚠ **WARNING:** To reduce the risk of electric shock, or injury to persons before servicing or cleaning the unit, disconnect or turn off breaker and lock the power supply at the panel to prevent the power from being turned on.

1.) Before servicing or cleaning the unit, disconnect and lock the power supply at the panel to prevent the power from being turned on.

2.) Remove the grille by pulling it away from the magnets, then unplugging the grille from the housing.

3.) Dampen cloth with dish detergent, wipe the fan housing and grille, then dry with a cloth.

4.) Remove dust and dirt from the fan housing with a vacuum cleaner.

5.) Plug the grille back into the housing, mount the grille then go to the panel and reconnect power.

3-Year Limited Warranty

GTR Technologies, Inc. (GTR) warrants to the original consumer purchaser of its products that such products will be free from defects in materials and workmanship for a period of three years from the date of original purchase. There are no other warranties, express or implied, including but not limited to, implied warranties of merchantability or fitness for a particular purpose.

During this three-year period, GTR will, at its option, repair or replace, without charge, any product or part which is found to be defective under normal use and service. This warranty does not extend to lighting such as LED's, Fluorescent, Incandescent, tubes, starters or bulbs.

This warranty does not cover:
(a) normal maintenance and service or
(b) any maintenance or repair, faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the three-year period as specified for the express warranty. Some areas do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

GTR's obligation to repair or replace, at GTR's option, shall be the purchaser's sole and exclusive remedy under this warranty. GTR shall not be liable for incidental, consequential, or special damages arising out of or in connection with product use or performance. Some areas do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from area to area.

This warranty supersedes all prior warranties.

This warranty is only valid inside the boundaries of the USA and Canada.

To qualify for warranty service, you must:
(a) notify GTR via phone 1-877-543-8698 or email at info@veent.com,
(b) give the model number and part number identification, and
(c) describe the nature or any defect in the product or part.

At the time of requesting warranty service, you must provide evidence of the original purchase receipt.

GTR Technologies, Inc.
www.Veent.com

Email technical assistance: info@veent.com

Phone technical assistance:
1-877-543-8698 (English) or 1-800-615-5439 (French)

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