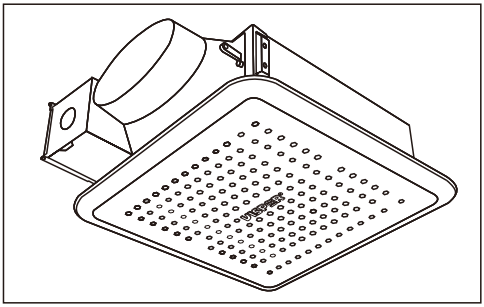
USER GUIDE

Ventilating Fan

English

Model No. VF60110VS1



READ AND SAVE THESE INSTRUCTIONS

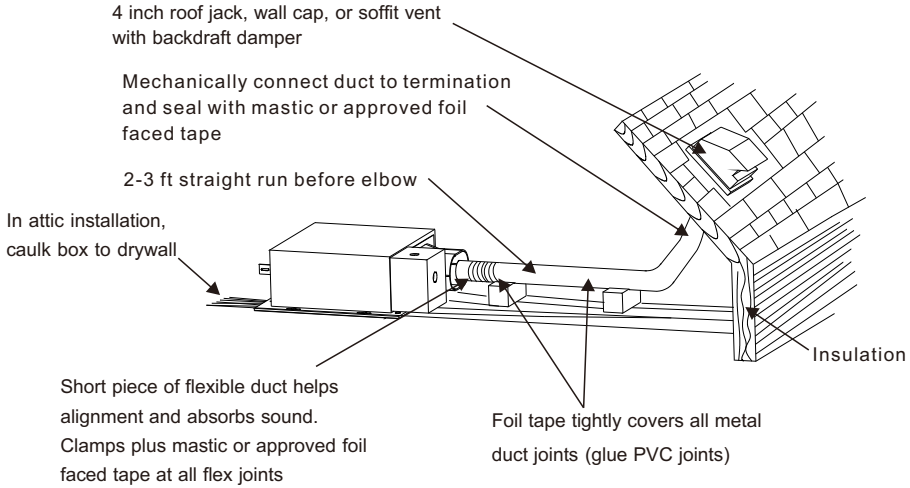
Thank you for purchasing this VISPER product.

Please read these instructions carefully before attempting to install,operate or service the VISPER product. Please carefully read the"GENERAL SAFETY INFORMATION". Failure to comply with instructions could result in personal injury or property damage. Please explain to users how to operate and maintain the product after installation and this manual should be presented to users.

Please retain this manual for future reference.

PRACTICAL GUIDE TO INSTALLATION

Properly insulate the area around the fan to minimize building heat loss and gain. Loose fill or batt insulation can be placed directly over the fan housing in the attic. Our fans and fan/light combination units do not create excessive heat that is a common problem with recessed light fixtures or some competitor's fan/light combination. Our efficient, cool-running motors and our LED lighting unit do not create enough ambient heat to be subjected to these imitations. 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 air flow.



GENERAL SAFETY INFORMATION

⚠ 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.

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.

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

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), and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the local code authorities.

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

Ducted exhaust fans must always be vented to the outdoors.

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.

These models are CSA Certified for tub and shower enclosures.

If this unit is no longer to be used, it must be removed from the ceiling to prevent it from falling.

The ceiling joist or wall stud must be able to withstand a static load of at least five times the weight of the unit.

Install the fan at least feet above the floor.

Do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using a 3D printer).

This unit must be properly grounded.

Do not install this unit with a method which is not approved in the instructions.

Do not use this unit with any solid-state speed control device. Solid state controls may cause harmonic distortion which can cause a humming noise in the motor.

Do not disassemble the unit for reconstruction. It may cause fire or electric shock.

⚠ CAUTION NOT FOR USE IN KITCHEN

Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Administration (OSHA).

Make sure that the electric service supply voltage is AC120V 60Hz.

Always disconnect the power source before working on or near the fan, motor or junction box.

Protect the supply wiring from sharp edges, oil, grease, hot surfaces, chemicals or other objects.

The special-purpose or dedicated parts such as mounting fixtures, must be used if such parts are provided.

GENERAL SAFETY INFORMATION (CONTINUED)

Please wear gloves to protect hands during installation.

Do not install this unit in a location where the interior room temperature may exceed 104°F(40°C).

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

Do not install fan above or inside a 45-degree angle projected outwards from the cooking equipment element closest to the fan (Fig. A)

Provide make up air for proper ventilation.

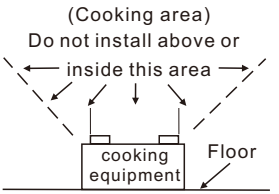


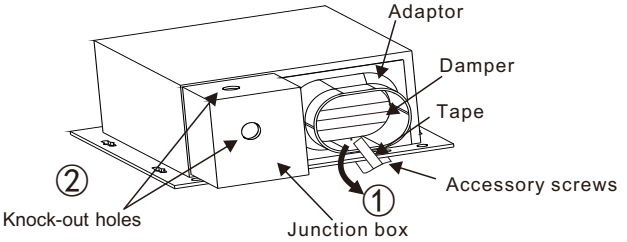
Fig.A

INSTALLATION (JOIST MOUNTING)

1 Prepare Product Before Installation

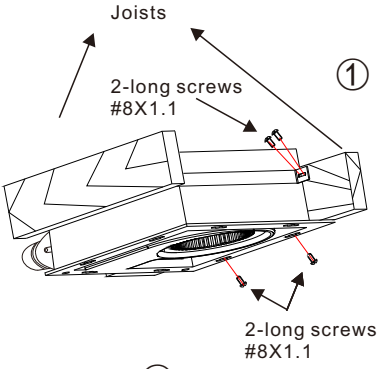
① Before installation, please remove the tape that protects the damper during shipping according to the direction of arrow shown on this step; Otherwise, it may be pulled out. Then remove accessory screws from the adaptor. Afterwards, check that the damper can open and close smoothly.

② There are two knock-out holes on the junction box; Please open whichever is convenient for wiring.

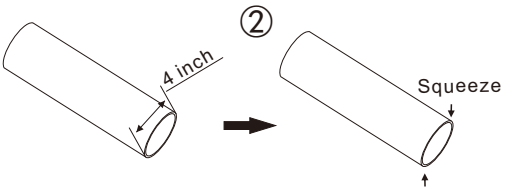


2 Install Circular Exhaust Duct

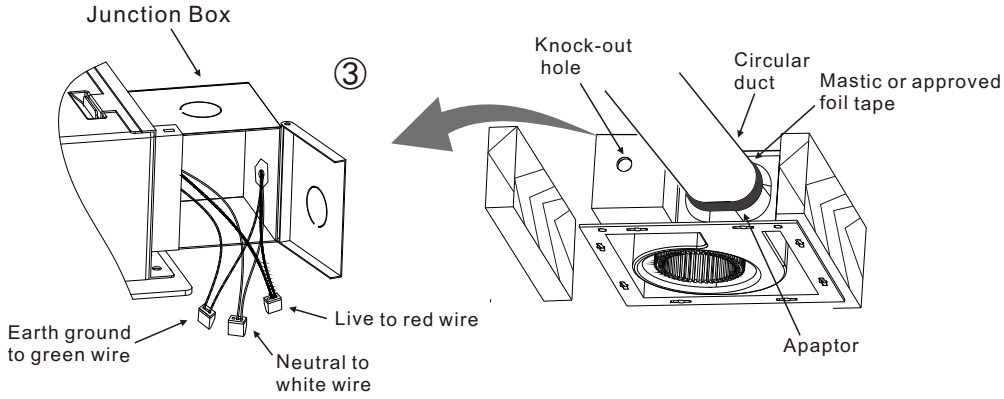
① Fix the flange of frame to joist by 2 long screws, and fix the suspension bracket to joist by 2 long screws.



② A 4 inch circular duct is needed to the relevant part of adaptor. Squeeze a circular exhaust duct to fit the adaptor, then slip it onto adaptor and secure it with clamps or ties, and seal it with mastic or approved foil tape.



③ Remove junction box cover and secure conduit or the strain relief connector to the opened knock-out hole.

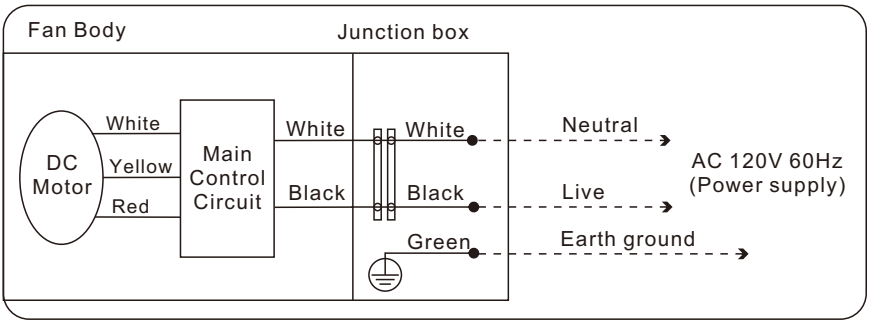


3 Connect Wires

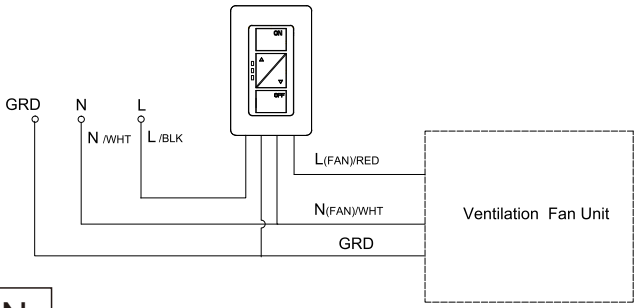
① Refer to wiring diagram, follow all the local electrical safety codes as wellas the Natonal Electrical Code (NEC).

Using UL approved wire nuts, connect house power wires to ventilating fan wires.

Ventilation Fan Wiring Diagram



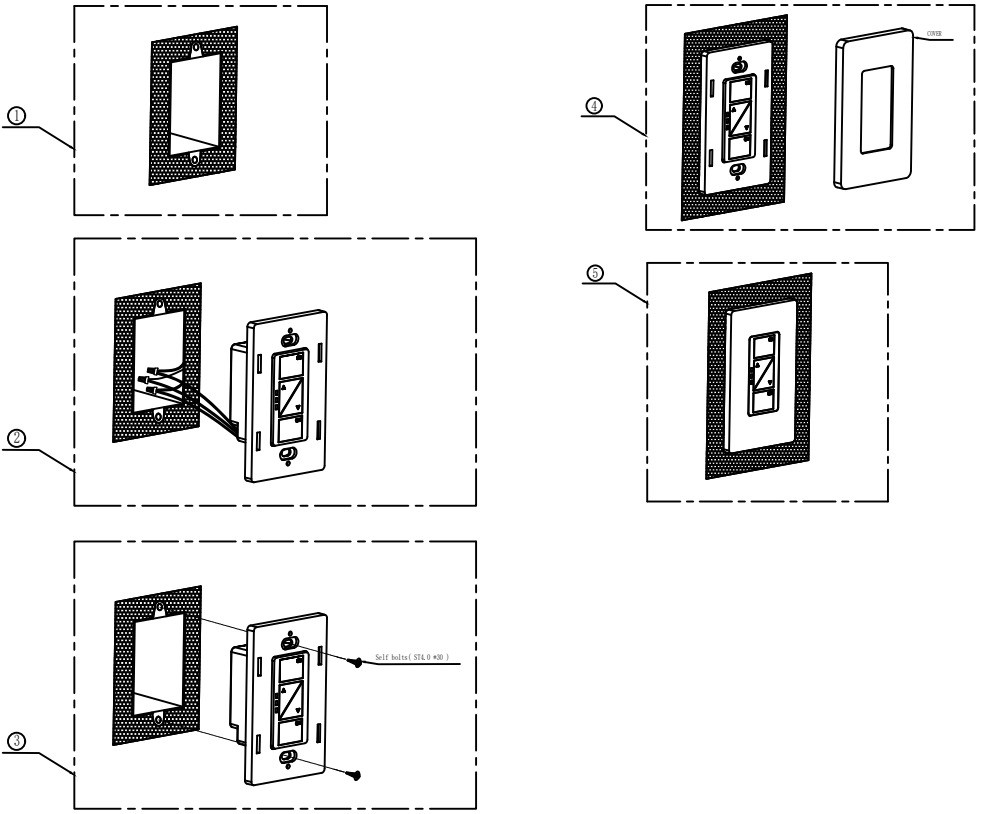
Wall Switch wiring diagram



⚠ CAUTION

Mount junction box cover carefully so that lead wires are not pinched.

4 Wall Switch Installation



⚠ CAUTION

1. Must turn off power switch before installing;
2. It will be installed or repaired by professional electrician;
3. Must use parts by manufacturer if repair the damaged parts of wall switch.

INSTALLATION (CONTINUED)

Installing Steps:

1. Dig hole according to the size of Wall Switch on the assigned position on the wall;
2. Connect power supply with cord from Wall Switch;
3. Fit Wall Switch into the hole on the wall with two screws (1/8*10);
4. Place the cover on the Wall Switch;
5. Turn on power switch, and it works normally.

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

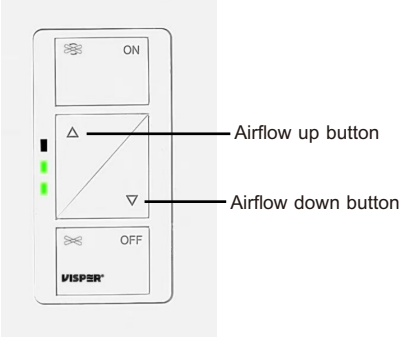
a) Installation work and electrical wiring must be done by qualified person in accordance with all applicable Place the cover and standards, including fire-rated construction.

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), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

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

5 Pair Wall Switch with The Fan

1. The fan and the Wall Switch power on;
2. Press the ON button of Wall Switch to start it;
3. Press the airflow up button and airflow down button at the same time for 2 seconds within 5 seconds;
4. The pairing is successful. Use the airflow up button and airflow down button to select an appropriate airflow.



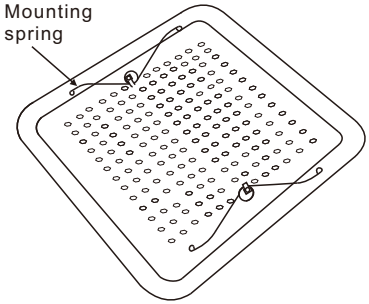
Wall Switch

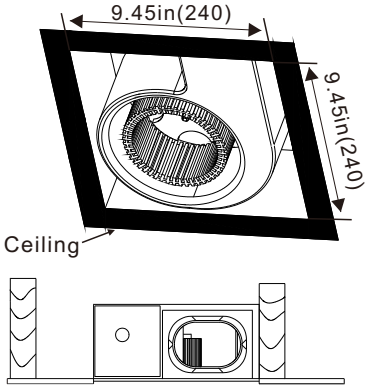
6 Finish Ceiling Work

① Ceiling hole should be aligned with the inside edge of the flange.

② Take out the mounting springs from clips.

Units: inches(mm)

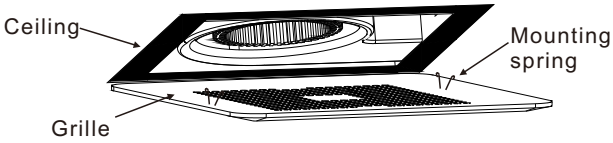




After finishing the ceiling job, fill gap between flange and ceiling caulk or other sealant to prevent air leakage.

7 Install Grille

① Insert the mounting springs into the slot as shown to mount grille to fan body.



Specification Data
VF60110VS1

Description:

Ventilating fan shall be Low Noise ceiling mount type rated for continuous run. Fan shall be ENERGY STAR® rated and certified by the Home Ventilation Institute (HVI). Evaluated by Canadian Standards Association (CSA) and conform to CSA safety standards.

Motor/Blower:

• Enclosed brushless DC motor technology rated for continuous run.
• Fan ventilation rates shall be manually adjustable for 60-90-110 CFM.
• Power rating shall be 120 volts and 60 Hz.
• Fan shall be CSA listed for tub/shower enclosure when GFCI protected and used in insulated ceiling (TYPE I.C.).

Housing:

• Engineering plastic alloy body, featuring a flame-retardant casing that is rust-resistant and impact-resistant.
• Built-in 4" Oval duct collar. Also compatible with 4" round duct.
• Built in backdraft damper.
• Simple L-shaped bracket provides strong support.

Grille:

• Attractive design using Flame-retardant material.
• Attaches directly to housing with torsion springs.

Architectural Specifications:

Ventilation fan shall be CSA listed for ceiling mount and tub/shower enclosure when GFCI protected. Fan shall also be ENERGY STAR® certified with a wall speed selector. Choose from 60-90-110 CFM and no more than <0.2/0.7/1.2 sone as certified by the Home Ventilating Institute (HVI) at 0.1 static pressure in inches water gauge (w.g.) with no less than 61/88/106CFM. Power Consumption shall be no greater than 4.9/8.6/12.6 watts at 0.1 w.g. The motor shall be totally enclosed with a brushless DC motor engineered to run continuously. Power rating shall be 120V/60Hz. Duct diameter shall be no less than 4".

Specification: **VISPER SELECT** VF60110VS1		**4" Oval**		
Ventilation Fan Characteristics (HVI Certified Data)	Static Pressure In Inches w.g.	0.1		
	Air Volume (CFM)	106	88	61
	Noise (sones)	1.2	0.7	0.2
	Power Consumption (watts)	12.6	8.6	4.9
	Energy Efficiency (CFM/Watt)	8.44	10.31	12.63
	Speed (RPM)	969	874	758
	Current (amps)	0.19	0.14	0.09
	Power Rating (V/Hz)	120/60		
	ENERGY STAR rated	Yes		

VISPER Ventilating Fan
Limited Warranty

VISPER Corporation of North America ("the Warrantor") will,at its sole discretion,replace this product with new parts or exchange this product,free of change,in the USA,in the event of defects in material or workmanship in accordance to the following.

ALL Parts:For period of 5 years.
DC Motor: For period of 10 years.

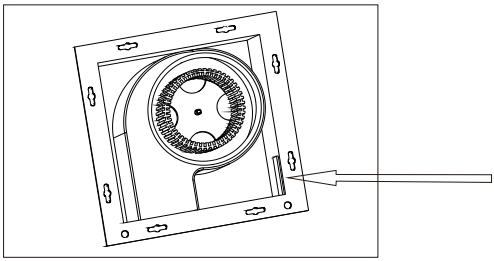
Service in the Canada can be obtained during the warranty period by contacting the selling Distributor or Email Visper Into@visper.ca.

This warranty does not cover labor charges for removal and installation of parts. This warranty is extended only to the original purchaser of a new product,which was not sold “as is”, who purchased the product either directly from the Warrantor or from the Warrantor’s authorized resellers (including authorized retail and Internet-based sellers), unless otherwise prohibited by law.

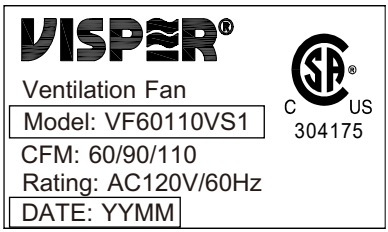
This warranty only applies to products purchased in the Canada.

To claim warranty proof of purchase date will be required, in addition to fan model and the production date as shown in photos below.

Example of display



Example of Name Plate



This warranty only covers failures due to defects in materials or workmanship that occur during normal use and does not cover shipping damages, whether visible or concealed, normal wear or cosmetic damage. The warranty does not cover failures that are caused by products and peripherals not supplied by the Warrantor, or failures which result from accident, misuse, abuse, negligence, mishandling, misapplication, alteration, modification, faulty installation, improper setups or adjustments, improper or lack of maintenance, alterations or modifications, power line surge, improper line voltage, lightning damage, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above. THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL CONSEQUENTIAL. OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF GOODWILL PROFITS OR REVENUE, LOSS OF USE OF THIS PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF SUBSTITUTE PRODUCT, DOWNTIME COST, OR CLAIMS OF ANY PARTY DEALING WITH BUYER FOR SUCH DAMAGES, RESULTING FROM THE USE OF THISPRODUCT OR ARISING FROM BREACH OFWABRANTY OR CONTRACT, NEGLIGENCE OR ANY OTHER LEGAL THEORY, EXCEPT AS EXPRESSLY PROVIDED ABOVEACHEOEIS NO WARRANTYER ANY OTHER KIND, EXPRESS OR IMPLIED, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE JESCMPTONON THE FACE HEREOE.

Customer Services Directory

Obtain Product Information and Operating Assistance, locate your nearest distributor, or make Customer Service and Literature requests by visiting our Web Site at: www.visper.ca
Or send your request by E-mail to: info@visper.ca

Accessory Purchases

Purchase Parts and Accessory for Ventilation Products from Distributors