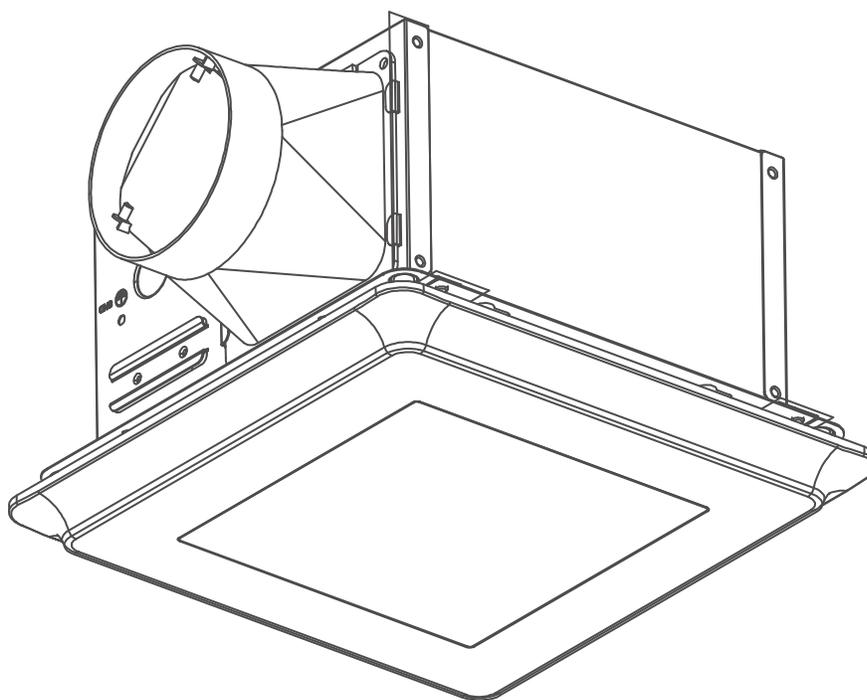


HOUSEHOLD VENTILATION FAN

READ AND SAVE THESE INSTRUCTIONS

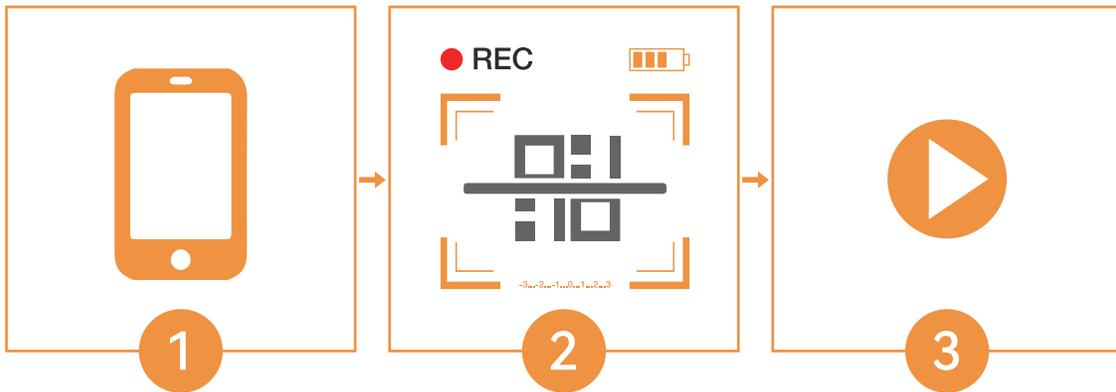


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Installation Video



Need a Video Instruction Guide?
Please scan the QR code.

If the QR code is invalid, please contact us for the video.

Safety Information

1. Installation work must be carried by a qualified person in accordance with all local and safety codes including the rules for fire-rated construction.
2. Use this unit only in the manner intended by the manufacturer. If you have any question, please contact the manufacturer.
3. Use 120v, 60Hz for the electrical supply and properly ground the unit. Follow all local safety and electrical codes.
4. This ventilation fan is approved for use over a bathtub or shower when installed in a GFCI protected circuit.
5. For General Ventilating Use Only. Do Not Use To Exhaust Hazardous Or Explosive Materials And Vapors.
6. Not for use in kitchens.
7. To reduce the risk of injury to persons, install fan at least 2.1m(7 Feet) above the floor.
8. To reduce the risk of fire or electric shock, do not block air entry grill.

WARNING: To Reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Do Not Use Replacement Parts That Have Not Been Recommended By The Manufacturer.

CAUTION: To reduce the risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls or ceilings or into attics, crawl spaces or garages.

FOR USE IN ONE-AND TWO-FAMILY DWELLINGS ONLY.

FOR USE IN NON-FIRE-RATED INSTALLATIONS ONLY.

SUITABLE FOR DAMP LOCATIONS .

WARNING: To Reduce The Risk Of Fire, Electric Shock, Do Not Use This Fan With Any Solid-State Speed Control Device.

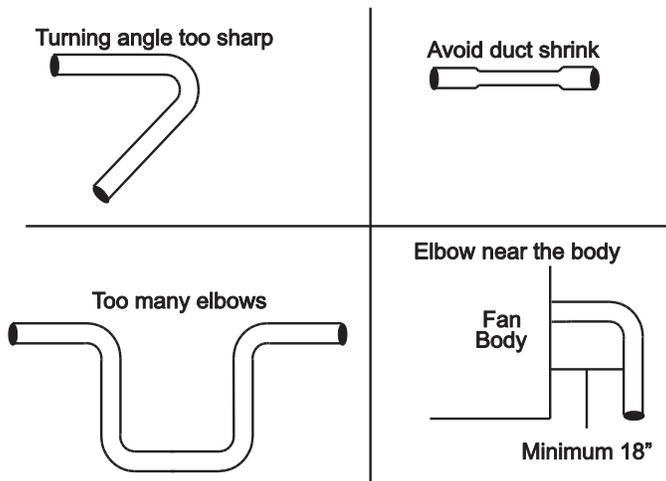
- a) Installation work and electrical wiring must be done by qualified person in accordance with all applicable codes and standards, including fire-rated construction.
- b) Sufficient air is needed for proper combustion and exhausting of gases through the flue(chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association(NFPA), and 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) Ducts for fans must always be vented to the outdoors.

Pre-Installation

PLANNING FOR SUCCESSFUL 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 grill should be installed after the finished ceiling is in place.

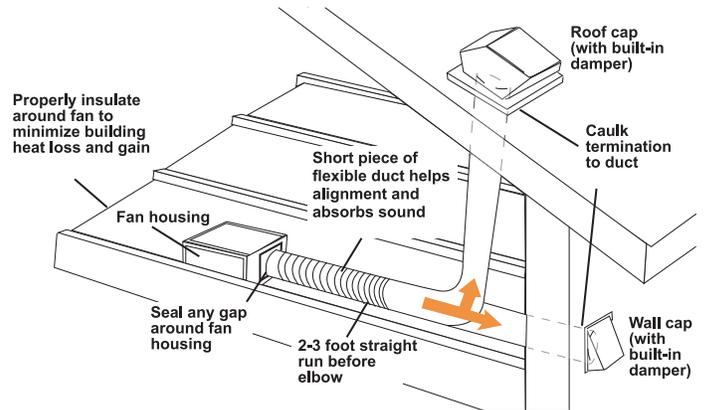
Do not install ventilation fan in areas where the duct work will require configuration as shown.



INSTALLATION OPTIONS

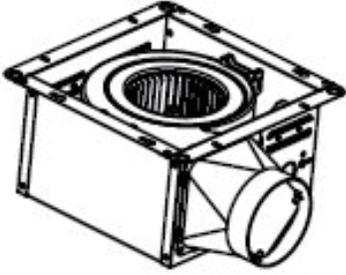
We recommend installing the ventilation fan by securing the main body of the fan against one ceiling joist and using the header bars as necessary for support of the adjoining joist.

TYPICAL INSTALLATION



The ducting from this fan to the outside of the building has a strong effect on the airflow, 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.

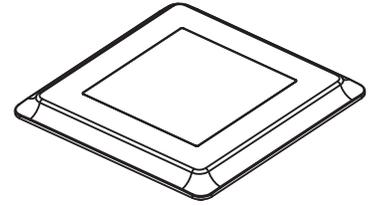
Pre-Installation (continued)



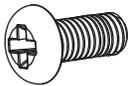
A: Fan x 1



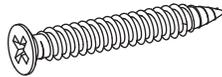
B: Bracket x 3



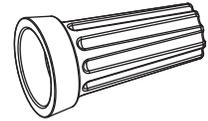
C: Grille x 1



D: Short machine screw x 6



E: Long wood screw x 8



F: Wire connector x 6

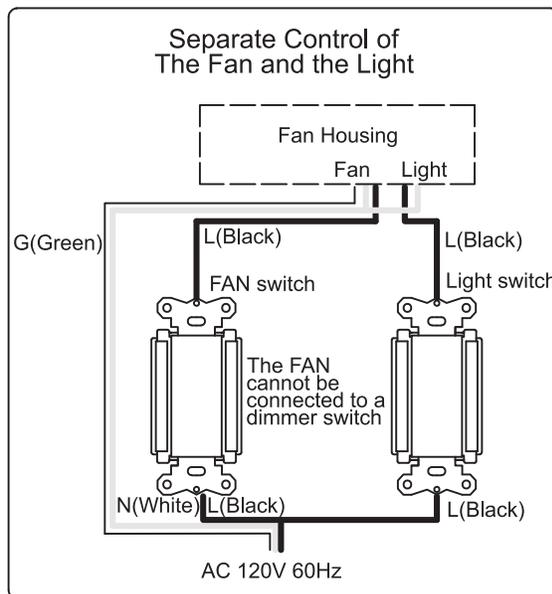
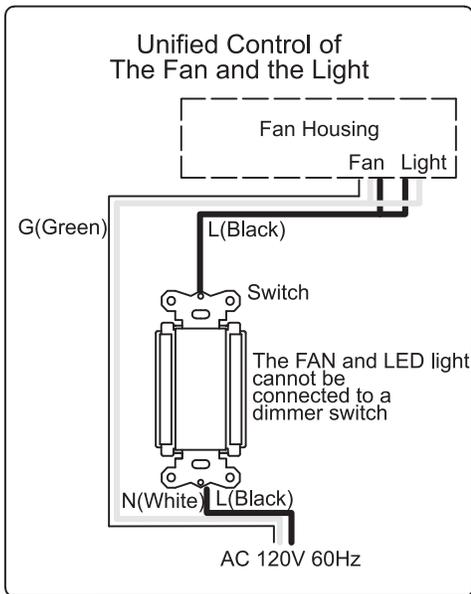
Specification

Model	PAC-00208X20 with Light	PAC-00210X25 with Light
Input Voltage	AC 120V 60Hz	
Motor Wattage (W)	35	40
Duct Diameter	4 in	
Air Volume (CFM)	80	110
Noise (Sones)	0.9	1.0
LED Wattage	15W	
LED Brightness	1000LM dimmable	
CCT (K)	2700 / 3000 / 3500 / 4000 / 5000	
Housing Dimensions	8.43x8.43x5.5 in 21.4x21.4x13.9 cm	9.02x9.02x5.7 in 22.9x22.9x14.5 cm
Ceiling Opening Dimensions	8.8x8.8 in 22.4x22.4 cm	9.4x9.4 in 23.9x23.9 cm
Weight	6.44lbs (2.92kg)	7.23lbs (3.28kg)

*Performance rated at 4" ducting and 0.1" w.g.

Wiring Diagram

Refer to the diagram below, you may use a single switch (purchased separately) to control the fan and the LED light together. Or you can use two switches (purchased separately) to control the fan and the LED light separately. A TRIAC dimmer switch can only be used to control the LED light individually. Do NOT use a dimmer switch to control the fan.



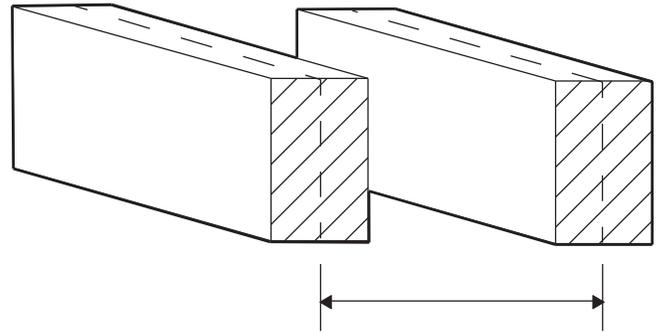
WARNING:
Wiring must comply with all applicable electrical codes. Turn off power before removing or installing connectors.

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

Installation - New Construction

1 Determine joist width

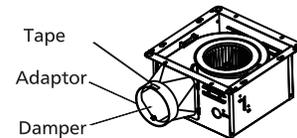
- Measure the distance from the center of the two ceiling joists where you will be installing the ventilation fan.
- Use the table to determine the header bar installation.
 - For configuration 1, proceed to step 2.
 - For configuration 2, proceed to step 3.
 - For configuration 3, proceed to step 4.



Use the following to determine the proper installation configuration:

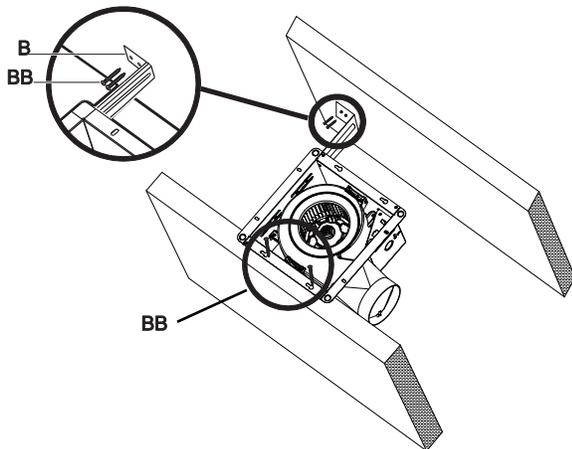
Width between the Joists	Brackets Used	Configuration
12 in.	1	1
16 in.	1	2
19.2 in.	1	3

IMPORTANT:
Please remove the tape, which protects the damper during shipping and installation, from the duct adaptor as shown below.



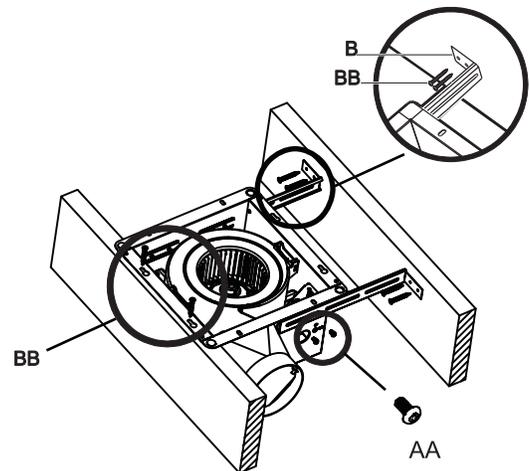
2 Configuration 1, initial install

- Use long wood screws (BB) to loosely attach the main body of fan (A) to ceiling joist in the four locations shown.
- Fit one bracket (B) against the main body of fan, ensuring the bracket is snug against the opposite ceiling joist.
- Use long wood screws to loosely attach bracket to the opposite ceiling joist as shown.
- Use two short screws (AA) to loosely attach bracket to the fan body.
- Proceed to step 5.



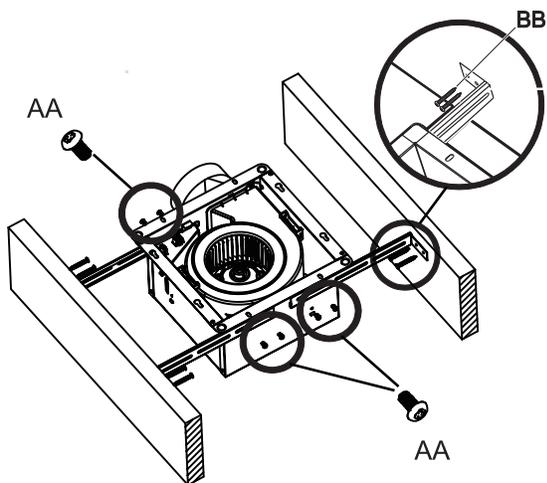
3 Configuration 2, initial install

- Use long wood screws (BB) to loosely attach the main body of fan (A) to the ceiling joist in the six locations shown.
- Fit two brackets (B) against the main body of fan, ensuring bracket is snug against the opposite ceiling joist.
- Use long wood screws to loosely attach bracket to opposite ceiling joist as shown.
- Use short screws (AA) to loosely attach bracket to the fan body.
- Proceed to step 5.



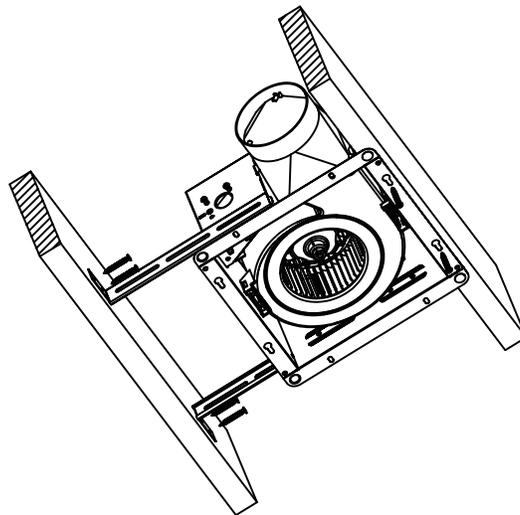
4 Configuration 3, initial install

- Use long wood screws (BB) to loosely attach the main body of fan (A) to the ceiling joist in the four locations shown.
- Fit connected three brackets(B) against the main body of fan, ensuring they are snug against the opposite ceiling joist.
- Use long wood screws to loosely attach brackets to the opposite ceiling joist as shown.
- Use short screws (AA) to loosely attach bracket to the fan body.
- Proceed to step 5



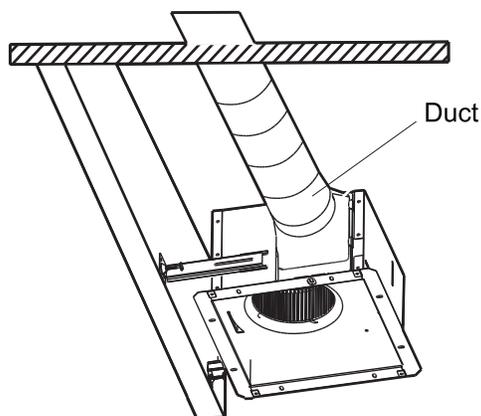
5 Final installation

- Ensure the main body (A) is level.
- Ensure the flange on the main body is flush with the ceiling joist.
- Firmly secure all screws on the main body and any installed brackets.
- Use long wood screws (BB) to secure the main body flange to bottom of ceiling joist as shown.



6 Connect duct

- Install a 4 in circular duct (not supplied) to outlet and secure it with duct tape (not supplied) or a clamp (not supplied) .
- Install the duct to the outlet with a gradient $1^{\circ}\sim 2^{\circ}$ to the outside as shown.
- Turn the impeller gently by hand. Check the fan for any abnormal sound or vibration.



7 Using Screw-on wire connector



WARNING: Wiring must comply with all applicable electrical codes. Turn OFF power before removing or installing connectors.



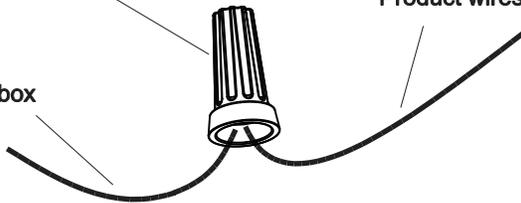
WARNING: COPPER TO COPPER ONLY. Do not use on Aluminum wire.

- Strip the wires so part of the bare wire is showing.
- Grip the wire firmly and push the wire into Screw-on wire connector and tightened.
- Verify the stripped end of the wire is fully inserted to the wire nut.

Screw-on Wire connector

Product wires

To switch box



8 Connect wiring from house to box

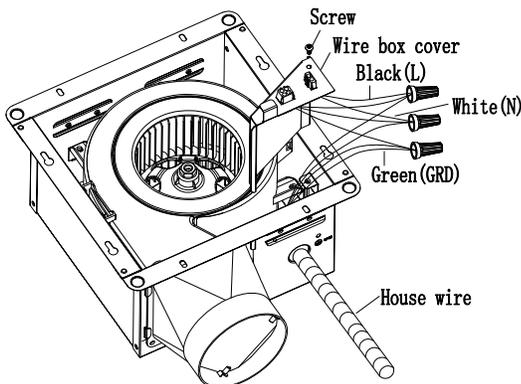


WARNING: Follow all local electrical and safety codes.



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

- Remove the wiring box cover from the fan housing (A).
- Pull the house wires through the hole in the fan housing.
- Using the Screw-on wire connectors, connect the house wiring from the wall switch to the fan housing.
- Please refer to the wiring diagrams on page 3 to ensure proper wire connections are made.
- Carefully push the wire connections into the wiring box housing and reattach the wiring box cover.

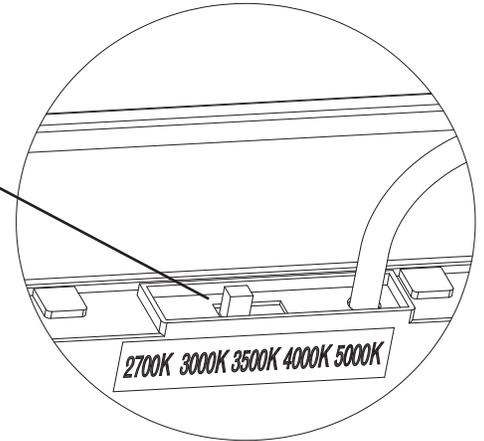


WARNING: Failure to wire product correctly could result in electrical shock, fire hazards, or damage to the product. Consult a licensed electrician if you are unsure of your ability to correctly install wiring.

9 Select LED Light Colour Temperature

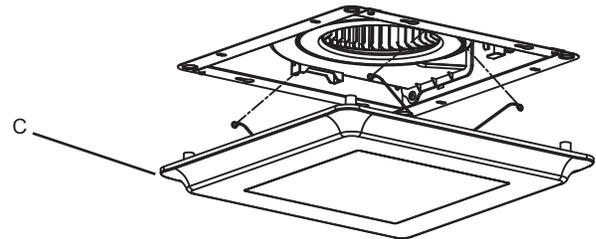
- Select the desired colour temperature (CCT) of the LED light by toggling the DIP switch on the grille.

DIP switch



10 Install the Grille

- Connect the plug on the grille (C) to the fan housing.
- Squeeze the mounting springs together and insert the mounting springs into the slots on the fan housing (A).



Installation - Existing Construction

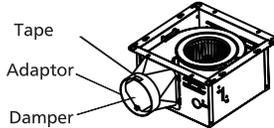
1 Remove the existing fan



CAUTION: Make sure power is switched off at service panel before starting installation.

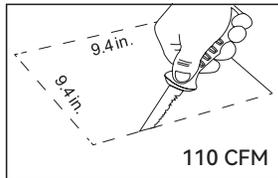
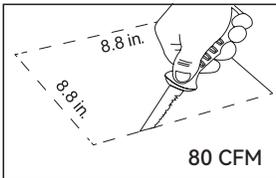
- Remove the old fan from the ceiling.
- Leave ductwork and wiring in place.

IMPORTANT: Please remove the tape, which protects the damper during shipping and installation, from the duct adaptor as shown below.



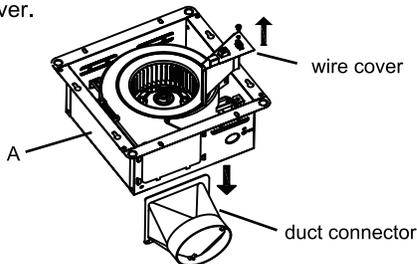
2 Finish the ceiling work

- Measure and cut the ceiling hole with the size 8.8 in. x 8.8 in. (80 CFM) or 9.4 in. x 9.4 in. (110 CFM) dimensions of the new fan housing (A).



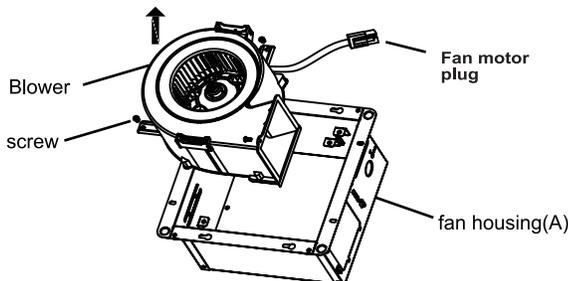
3 Remove the duct connector and wire cover

- Slide the duct connector up to down until it is removed from the fan housing (A).
- Unplug the fan motor, then loosen the short screw and remove the wire cover.



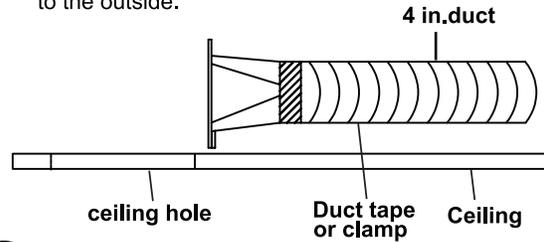
4 Remove the blower

- Remove the three screws on the side of the fan housing (A) that hold the blower in place.
- Unplug the fan motor and remove blower from fan housing (A)



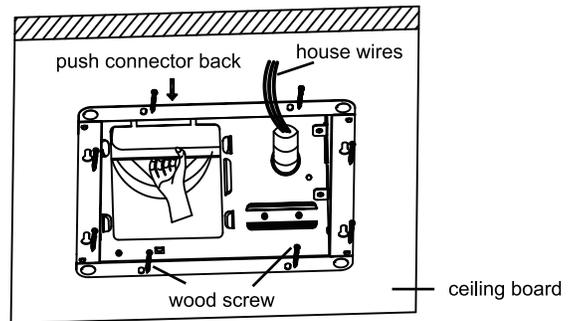
5 Connect the duct

- Connect existing duct(4 in.) to the duct connector. Secure it with duct tape (not supplied) or a clamp (not supplied). Vent the duct to the outside.



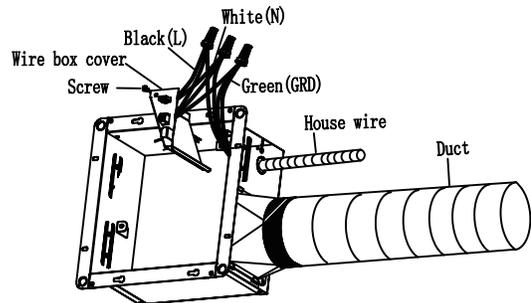
6 Install the duct connector back

- Pull the house wires through the wire hole in the fan housing.
- Insert the fan housing (A) into the ceiling hole.
- Position the fan housing (A) so the bottom edge of the fan housing (A) is flush with the ceiling board.
- Mount the fan housing (A) to the ceiling board with eight long wood screws (BB).
- Push connector/ducting back to the fan housing follow the guide slot from up to down, through housing discharge opening from.



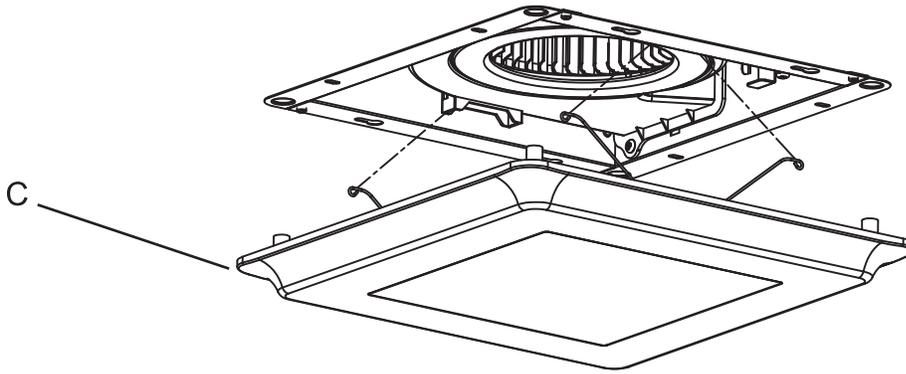
7 Connect the wire

- Connect wires to switch using the Screw-on connector (CC)
- Refer to the wiring diagrams on page 3 to ensure proper wire connections are made.
- Carefully push the wire connections into the wiring box housing and reattach the wiring box cover.



8 Install the Grille

- Reattach the blower into the fan housing(A) .
- Connect the plug on the grille (C) to the fan housing.
- Squeeze the mounting springs together and insert the mounting springs into the slots on the fan housing (A).



Troubleshooting



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

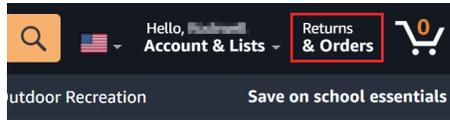
Problem	Possible Cause	Corrective Action
The Fan will not turn on	<input type="checkbox"/> Power off	<input type="checkbox"/> Make sure the power supply is on
	<input type="checkbox"/> Faulty switch	<input type="checkbox"/> Test or replace the switch
	<input type="checkbox"/> Faulty wire connection	<input type="checkbox"/> Check wire in the switch box
The Fan seems louder than it should be.	<input type="checkbox"/> The damper is damaged or not working properly.	<input type="checkbox"/> Check the damper to ensure it is opening and closing properly. If the damper has become damaged, please call Customer Service.
	<input type="checkbox"/> The bend in the duct is too close to the fan discharge.	<input type="checkbox"/> Be sure you do not have any sharp bends in the duct within 18 in. of the fan discharge.
	<input type="checkbox"/> The fan discharge is reduced to fit a smaller duct.	<input type="checkbox"/> Use the recommended size ducting to reduce fan noise.
	<input type="checkbox"/> The fan body is not attached securely.	<input type="checkbox"/> Be sure the fan is securely attached to the ceiling joists.

Care and Cleaning

- Before servicing or cleaning the unit, disconnect and lock the power supply at the panel to prevent the power from being turned on.
- Remove the grill by squeezing the springs and pulling down.
- Wash and clean the grill in a sink and dry with a cloth.
- Remove dust and dirt from the fan housing with a vacuum cleaner.
- Dampen cloth with dish detergent, wipe the fan housing and dry with a cloth.
- Replace the grill.

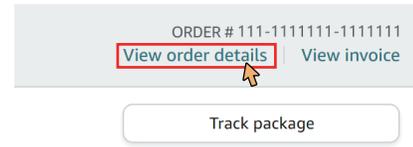
Contact Us

Step 1



Log into your Amazon.com account, click "**Returns&Orders**" on the top-right corner.

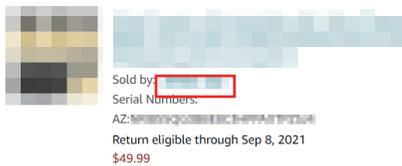
Step 2



Find your order in the list and click "**View order details**".

Step 3

Delivered yesterday



Click the "**Store Name**" following the Sold by, below the product title.

Step 4

Livestreams Outdoor Recreation Save on school essentials



Click the yellow button "**Ask a question**", on the top-right corner, to contact the seller.

Should you experience any issues while operating any of our products, you can directly reach out to our Customer Support via Amazon Orders. Or you can send your inquiry to our Official Customer Support at:

Call us: +1(888) 676-1042 Monday - Friday from 9:00AM - 5:00PM (PT)

Contact via Email: support@amicolight.com

01 30-Day Return Policy

If you're not completely satisfied with your purchase, simply return the merchandise via Amazon Orders. Unused merchandise can be refunded or exchanged within 30 days from the original purchase date.

02 2-Year Warranty

We guarantee your product is free from defects in product material and workmanship for two (2) years starting from the date of purchase during normal use of household conditions. If your appliance fails to operate properly within our warranty period, we will arrange a new replacement free of charge and cover all the shipping costs.

03 Quick Response within 12 Hours

If you are still unable to resolve the issue you are experiencing, please contact us immediately at our support email. It doesn't matter if the product has been installed, our customer support team will respond within 12 hours and assist you quickly and efficiently. The most efficient way to confirm your problem to us is to attach a video illustrating your product issue.

GET MORE SUPPORT

Should you experience any issues while operating any of our products, you can directly reach out to our Customer Support via Amazon Orders. Or you can send your inquiry to our Official Customer Support at:

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