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BROAN QTRE110 S Owner's Manual

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HUMIDITY SENSING FAN

To register this product visit: www.broan.com

READ AND SAVE THESE INSTR

WARNING



TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. 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.
3. Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. 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.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. Acceptable for use over a tub or shower when connected to a GFCI (Ground Fault Circuit Interrupter) - protected branch circuit.
8. This unit must be grounded.

CAUTION



1. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. This product is designed for installation in flat ceilings only. DO NOT MOUNT THIS PRODUCT IN A WALL.
3. To avoid motor bearing damage and noisy and/or unbalanced

OPERATION

The humidity control and fan 1- or 2-function wall control. D the humidity control. See "Co

SENSOR OPERATION

The humidity-sensing fan use that responds to: (a) rapid to n humidity above a set-point. Th turn the fan ON when environ

MANUAL ON WITH TIMED C

The humidity sensing fan has odor or vapor control, the fa power switch. Once the fan h will remain on for 20 minutes.

To manually energize the fan

1. If fan power switch is already ON, turn power switch OFF.
2. Turn fan power switch ON.
3. Turn fan power switch back OFF.

CLEANING &

For quiet and efficient operation - lower or remove grille dusting brush attachment.

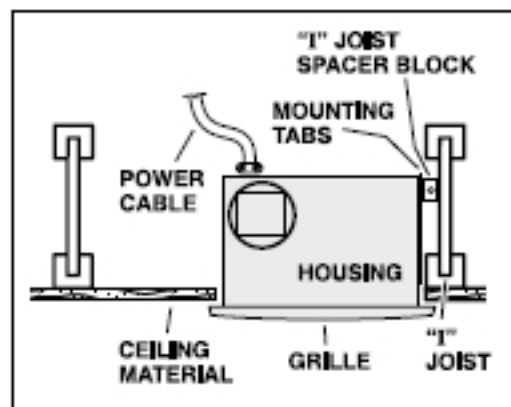
The motor is permanently lubricated. If motor bearings are making excessive noise, the motor / blower wheel ass

SENSOR CLEANING

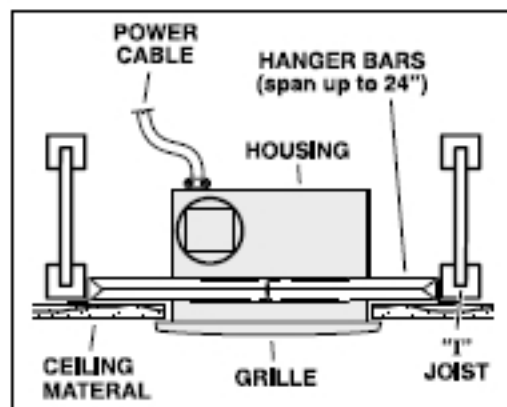
The humidity sensor is mounted on the fan. It will operate most reliably when

1. Disconnect power at service panel.
2. Remove the grille with the

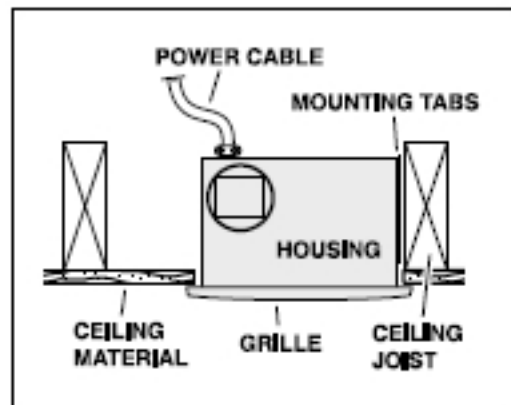
TYPICAL INSTALLATIONS



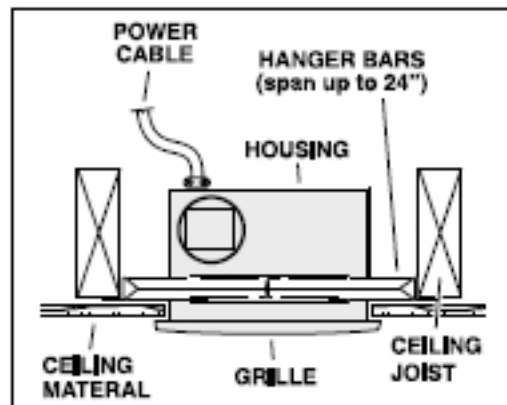
Housing mounted to I-joists.



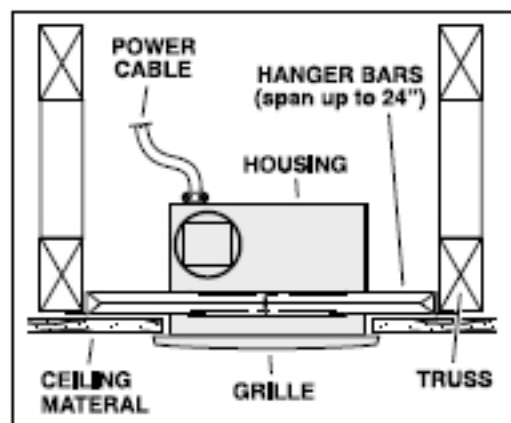
Housing mounted anywhere between I-joists using hanger bars.



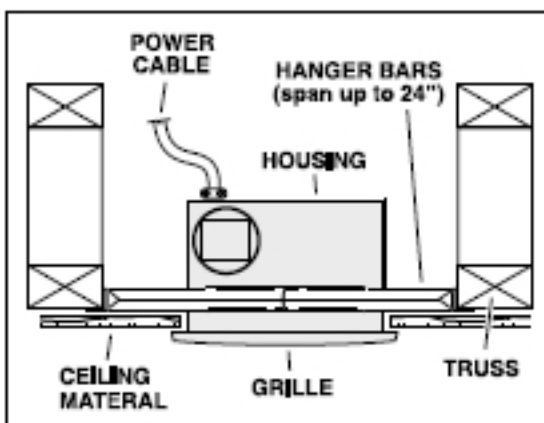
Housing mounted to joists.



Housing mounted anywhere between joists using hanger bars.



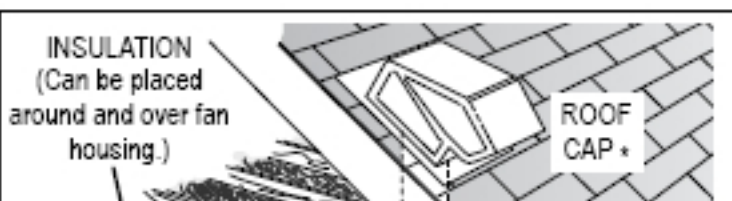
Housing mounted anywhere between trusses using hanger bars.



Housing mounted anywhere between trusses using hanger bars.

PLAN THE INSTALLATION

1. Choose the installation location.



- Locate unit above (or within 5 feet of show)
- Locate unit away from which can affect hum
- Do not locate near v outdoor humidity lev
- Unit must be installe moisture.
- Locate unit only on t proper sensing.
- The fan will operate where the shortest p number of elbows w
- Use a roof cap or w to reduce backdrafts

2. Plan the wiring

- Plan to supply the appropriate power routed to the switch (See "CONNECT V
- Do not operate this Damage to the ser

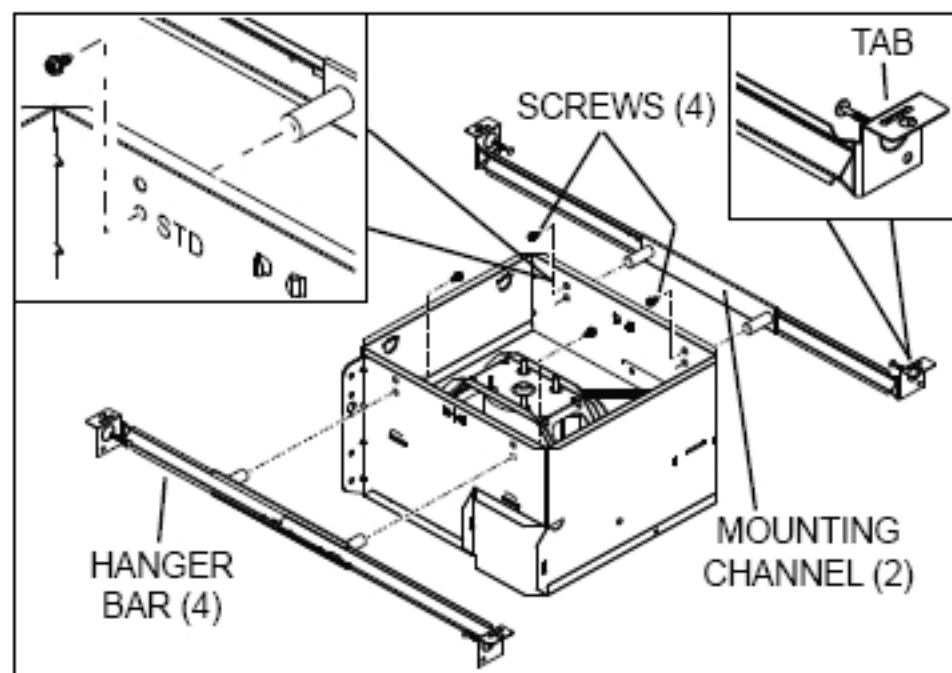
INSTALL HOUSING TO CEILING DUCT

1a. Mount housing to joist or I-joist.

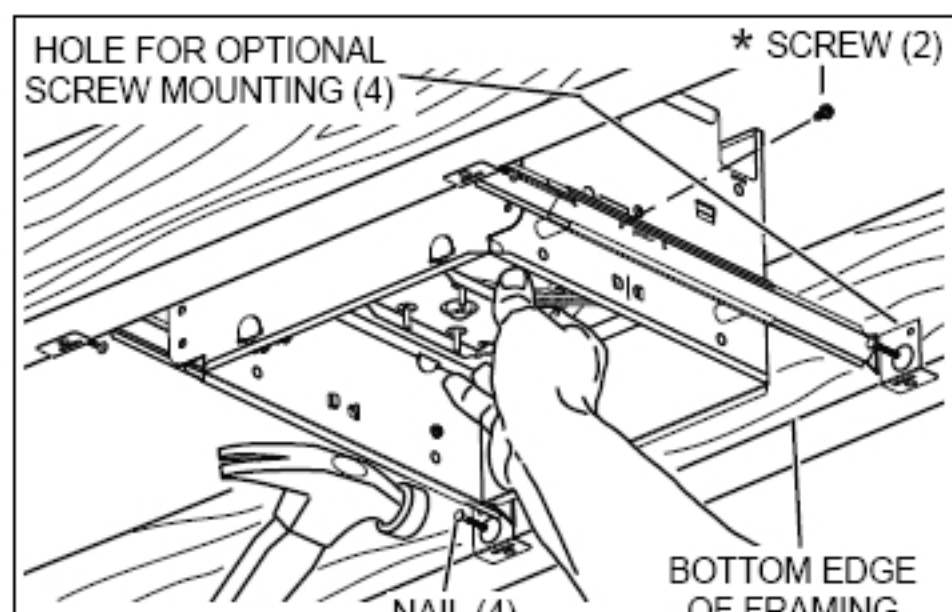
Use a pliers to bend housing **TABS** out to 90°. Hold housing in place so that the housing tabs contact the bottom of the joist. The housing mounts with four (4) screws or nails. Screw

1b. Mount housing anywhere between trusses, joists, or I-joists using hanger bars.

Sliding hanger bars are provided to allow for accurate positioning of housing anywhere between framing. They can be used on all types of framing (I-joist, standard joist, and truss construction) and span up to 24".



Attach the MOUNTING CHANNELS to the housing using the SCREWS supplied. Make sure TABS face "up" as shown. Use the set of channel mounting holes (marked "STD") to mount the housing flush with the bottom of the drywall. Use the other set of holes (not marked) to mount the housing flush with the top of the drywall.



2. Attach damper/duct connector.

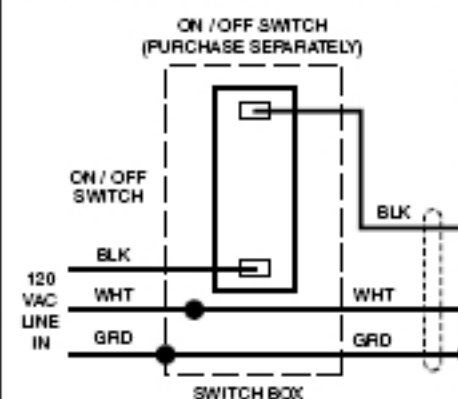
Snap damper / duct connector onto housing. Make sure connector is flush with top of housing and damper flap falls closed.

3. Install 4-inch round ductwork.

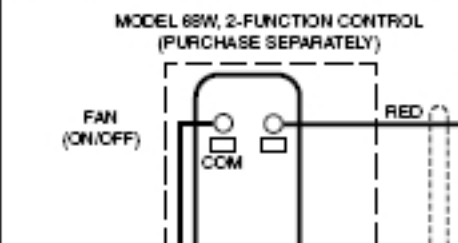
Connect 4-inch round ductwork to damper / duct connector. Run ductwork to a roof cap or wall cap. Tape all ductwork connections to make them secure and air tight.

CONNECT WIRING

WIRING OPTION #1 - Allows fan to operate (for odor control) by cycling ON/OFF switch



WIRING OPTION #2 - Fan can be turned



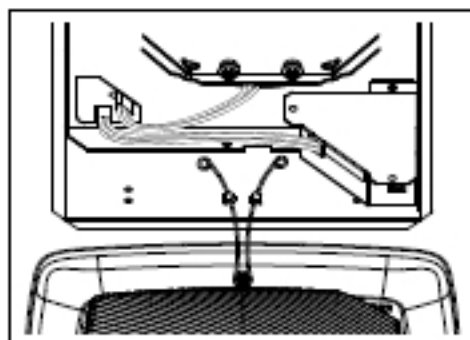
INSTALL GRILLE

6. Finish ceiling.

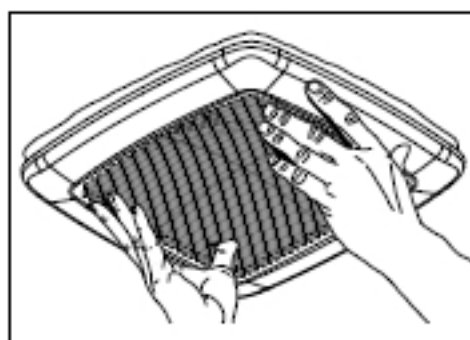
Install ceiling material. Cut out around housing.

7. Attach grille to housing.

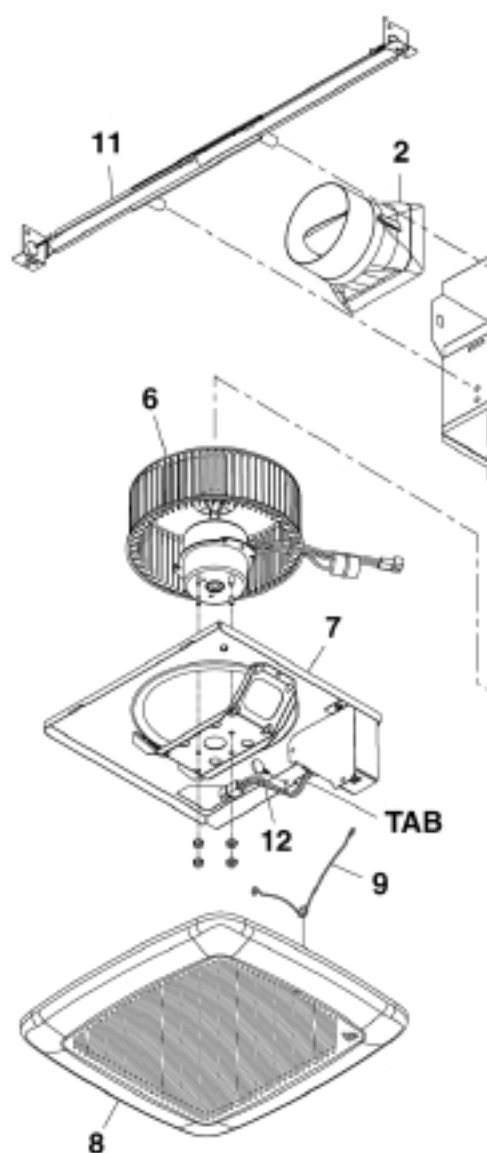
Squeeze grille springs and insert them into slots on each side of housing.



8. Push grille against ceiling.



SERVICE PARTS



Replacement parts can be ordered on our website. Please visit us at www.broan.com

WARRANTY

BROAN THREE YEAR LIMITED WARRANTY

Broan warrants to the original consumer purchaser of its products that such products will be free from defects in materials or 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, Broan 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 FLUORESCENT LAMP STARTERS AND TUBES. This warranty does not cover (a) normal maintenance and service or (b) any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repair (other than by Broan), faulty installation or installation contrary to recommended installation instructions.

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

Key No.	Part No.	
1	97016466	Housing
2	97016449	Duct Cover
3	98010102	Wiring
4	99170245	Screw
5	97017085	Wire
6	97017999	Motor
7	97017478	Motor
*	97017998	Blower