

PRODUCT INSTALLATION AND SAFETY INSTRUCTIONS

MODELS : (Patent US 9,263,214 B2) RMAS06, RMAS08, RMAS10, RMAS12

READ ALL INSTRUCTIONS PRIOR TO INSTALLATION FOR RESIDENTIAL USE ONLY

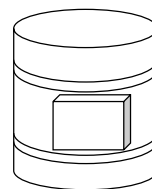
WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK HAZARD, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Shut off and disconnect all power supply to unit(s) prior to installation or service/repair of device.
2. Use this unit only in manner intended by manufacturer.
3. All applications of device must follow all applicable laws, codes, regulations, and standards.
4. Installation of device must be completed by a certified installation expert or HVAC professional.
5. For residential use only, any use beyond factory recommendations voids all warranties.

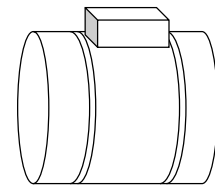
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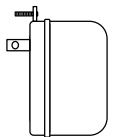
Parts Supplied for RMAS Series: each series /model sold as individual kit.



1 - RMAS* Switch Assembly
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1 - RMAS* Motorized
Damper

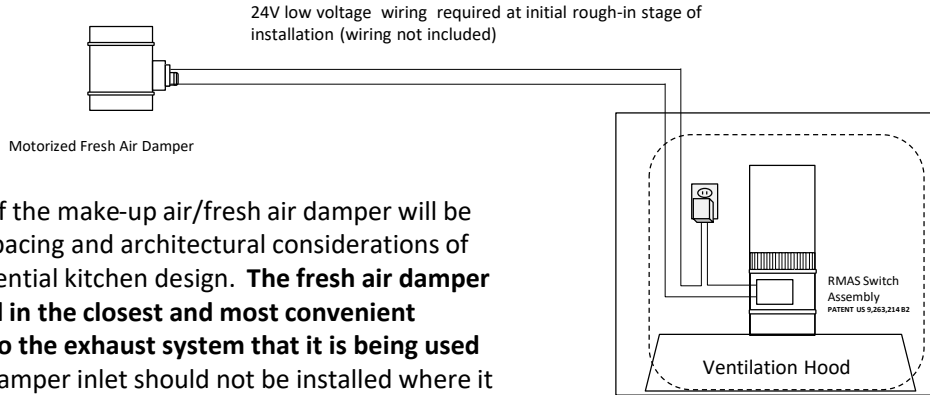


1 - 24V Plug-in
Power
Transformer

*Diameter varies by model

For general comfort and aesthetics, it is recommended that the RMAS Fresh Air Damper intake is located in an area that does not ventilate directly on or into kitchen preparatory or dining areas.

Sizing the fresh air intake and exhaust duct symmetrically will help avoid air turbulence and drag while the internal air supply is replenished during operation of the kitchen vent hood.



The actual location of the make-up air/fresh air damper will be determined by the spacing and architectural considerations of each individual residential kitchen design. **The fresh air damper needs to be installed in the closest and most convenient location in relation to the exhaust system that it is being used with.** The fresh air damper inlet should not be installed where it could confine or restrict air flow back into the area where the exhaust fan is located.

RMAS Switch Assembly must be installed in rigid ductwork.

The recommended location for the RMAS Switch Assembly collar is in a straight duct run directly above the kitchen exhaust fan motor. *The RMAS06/08/10 switch assembly can be installed in a horizontal duct and the RMAS06/08 in an inverted downdraft duct if necessary. (*see page 3)

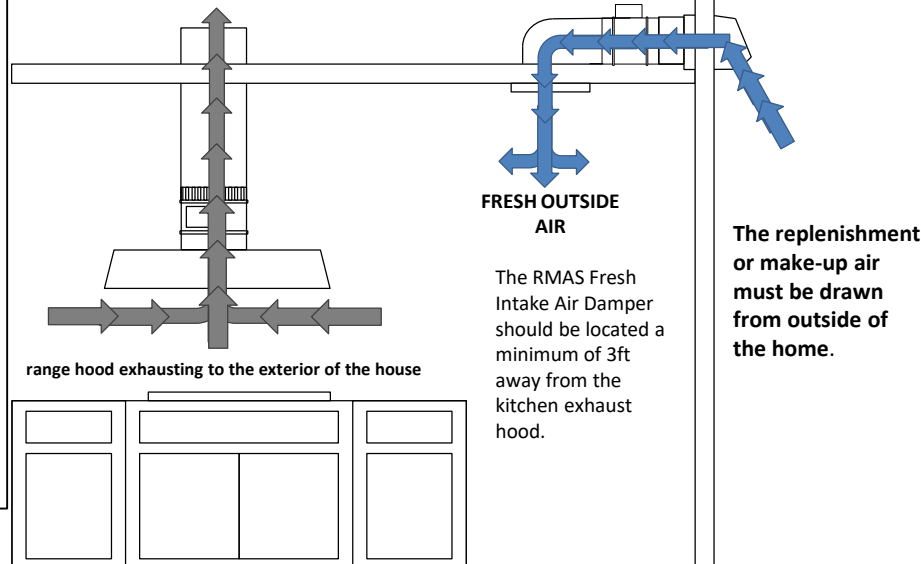
The fresh air intake should be located at a high point in the kitchen away from any cooking/preparation/dining areas.

Benefits:

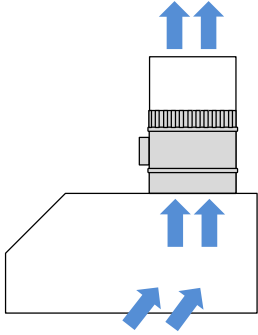
- The air is generally warmer in this location, and both cooler and warmer outside air will diffuse into the room with less of an impact to the occupants
- HVAC register covers are installed at ceiling levels so the grille cover for the fresh air inlet will be less obtrusive to kitchen design considerations
- Contractors will be able to access attic space, soffits, and sub-flooring between levels for easier installation of duct work
- Installing the fresh air intake away from ground level will reduce the amount of dust, pollen, and allergens drawn in with the outside air

During operation of the kitchen exhaust, the motorized damper will open to allow fresh outside air to enter the home. When the exhaust system is not in use the motorized damper will close and no longer allow outside air to enter.

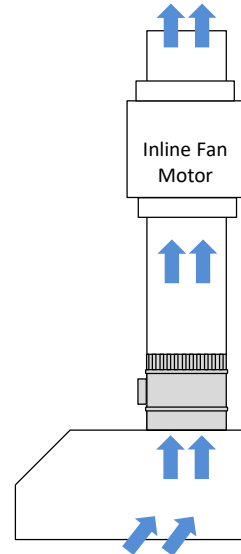
Outside fresh air inlet must be installed on the exterior of the house a minimum distance of 10ft from combustion vents and other exhaust openings. Locate the fresh air inlet away from any outside motor, generator, pump, BBQ grill, hearth/fire pit, chemical storage area, or any potentially hazardous exposure area.



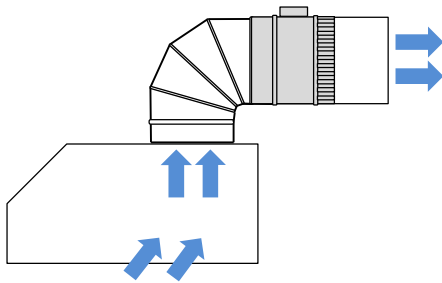
Vertical Internal Fan Motor Installation:



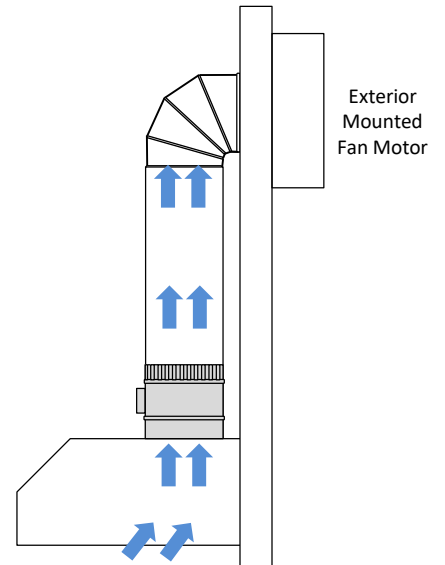
Inline Fan Motor Installation:



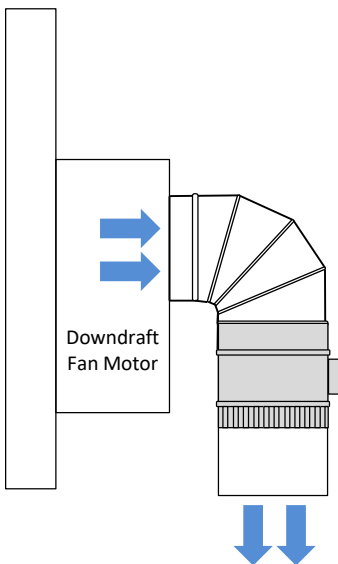
Horizontal Internal Fan Motor Installation:



Exterior Mounted Fan Motor Installation:



Downdraft Installation: **RMAS06, RMAS08, RMAS10EL ONLY**

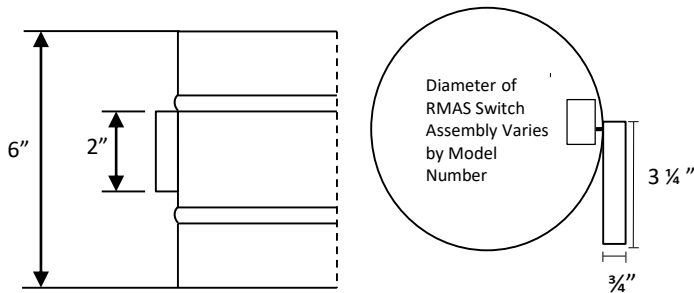


RMAS Switch Assembly and Collar Specifications:

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Unit Specifications:

16 AWG x 2, 24 VAC. Refer to full safety instructions prior to installation.



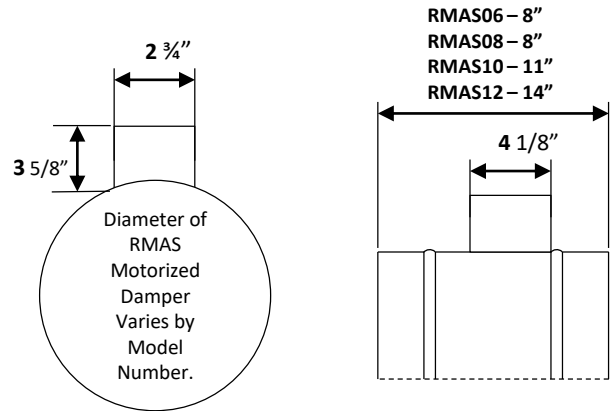
RMAS Motorized Fresh Air Damper Specifications:

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Unit Specifications

Weight: 3 lbs.

0.25 amps, 24 VAC, Shipped in normally closed position.



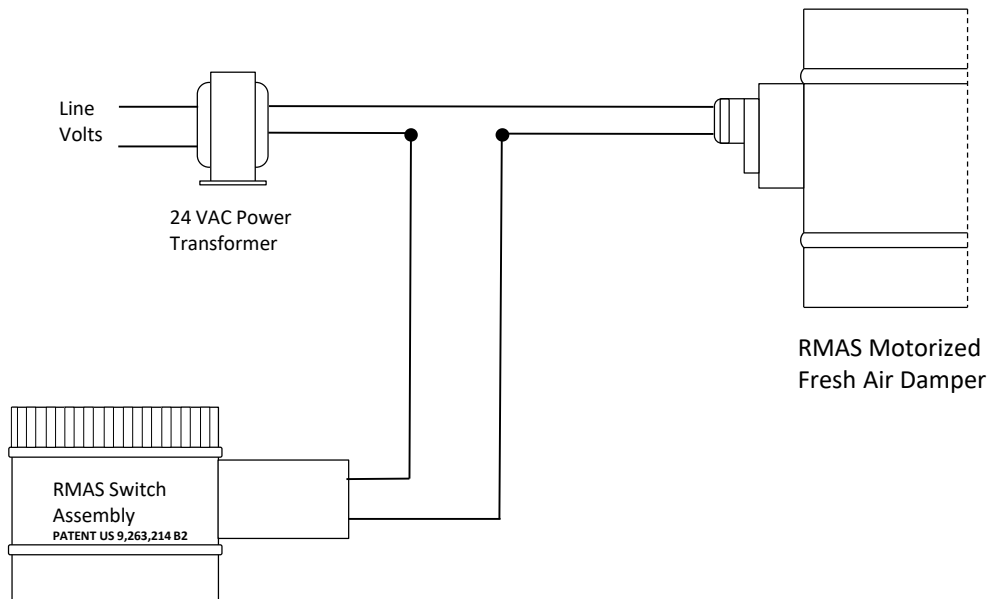
RMAS Wiring Diagram:

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Circuit Setup

1. Using a 24 Volt Class 2 Transformer, Take one Open terminal and Connect to the Motorized Damper.
2. Still Using the 24 Volt Transformer, Take the other Open Terminal and Connect to the RMAS Switch Assembly.
3. Lastly Take the Second Open Terminal from RMAS Switch Assembly and Connect to The Motorized Damper's other Open terminal, therefore completing the Circuit.



Warranty Information

LIMITED FIVE YEAR WARRANTY:

CCB Innovations, LLC offers a limited five year parts only warranty for manufactured products from the original date of purchase. Warranty does not cover labor, removal of device, or installation of new device provided by manufacturer. All warranties voided by misuse of product, use beyond manufacturer's recommendations, non-residential use, or negligence by contractor or installer. Warranty only applies in the United States and Canada. Any product sold or used outside of the United States will not be covered under manufacturers limited warranty.

ADDITIONAL ITEMS EXCLUDED FROM MANUFACTURERS LIMITED WARRANTY:

- Damage or failure resulting from accident, fire, flood, Acts of God, improper installation or installation not in accordance with applicable laws, codes, and regulations
- Any alteration or modification to original product or components beyond stated manufacturer's guidelines and recommendations

For product assistance please contact us at 972-412-9168 or sales@ccbinnovations.com

