

INSTALLATION & OPERATION INSTRUCTIONS



Our most versatile and energy-efficient dehumidifier, the **Santa Fe Oasis105**, is perfect for a wide range of applications, including whole-home, basements, attics, and crawl spaces. It features onboard digital controls, variable speed fan, dew point cut out, and a low maintenance positive pressure condensate drain.

Serial Number _____

Install Date _____

Sold By _____



Patent: thermastor.com/patents

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Safety Instructions

READ THE INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS CAREFULLY BEFORE INSTALLING AND OPERATING THIS DEVICE. PROPER ADHERENCE TO THESE INSTRUCTIONS IS ESSENTIAL TO OBTAIN MAXIMUM BENEFIT FROM YOUR SANTA FE DEHUMIDIFIER.

WARNING!

THIS SYMBOL MEANS IMPORTANT INSTRUCTIONS. FAILURE TO HEED THEM CAN RESULT IN SERIOUS INJURY OR DEATH.

CAUTION!

THIS SYMBOL MEANS IMPORTANT INSTRUCTIONS. FAILURE TO HEED THEM CAN RESULT IN INJURY OR MATERIAL PROPERTY DAMAGE.

- Never operate a unit with a damaged power cord. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or a similarly qualified person in order to avoid a hazard.
- Do not unplug the unit by pulling on the cord. Grasp the plug firmly and pull it out of the wall socket or power receptacle.
- When plugging in the unit, use a Ground Fault Interrupter outlet.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Never operate electrical equipment near or in standing water.
- Do not stick your fingers or other objects through the safety grill.
- The unit must be used in the upright position.
- When changing filters, do not stick fingers or other objects in the unit. Turn off unit when changing filter.
- Do not restrict airflow in to or out of the unit. This may cause the unit to overheat.
- The unit should never be serviced or cleaned while it is plugged in.
- Do not sit or stand on the unit, or use as a shelf or table.
- Before leaving the unit unattended, ensure children do not have access to the equipment. Do not allow children to play with or near the unit or in its air flow.
- The unit is designed to be installed indoors only.
- Contact installer or call 1-800-533-7533 for all repair or warranty needs.

Intended Application(s)

The Santa Fe Oasis105 dehumidifier is intended for use in crawlspaces, basements and whole homes ducted with optional duct kits: however, the unit can be placed in almost any residential setting where dehumidification is desired.

The Santa Fe Oasis105 dehumidifier is designed to operate in temperatures between 49° and 115°F.

In order to efficiently control humidity levels, the area in which the dehumidifier is to be operated must be free of water intrusion or excessive fresh (outside) air infiltration. Before installing the Santa Fe Oasis105 dehumidifier, water intrusion and air infiltration problems should be addressed.

Registrations



The Santa Fe Oasis105 dehumidifier conforms to unified standard UL 60335-2-40 and CSA standard C22.2.60335-2-40.

Dehumidifier Set Up

Items Included in Box:

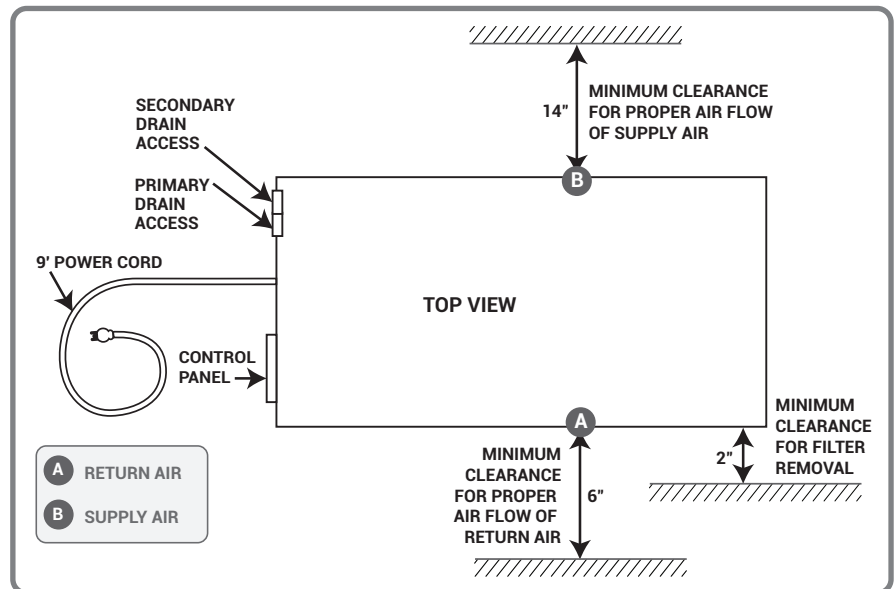
- Santa Fe Oasis105 Dehumidifier
- Santa Fe Oasis105 Dehumidifier Leveling Feet
- 8' Drain Hose and Drain Adapter
- MERV-13 Filter (Dimensions: 1" x 12" x 14")

Important Precautions

- Do not install the Santa Fe Oasis105 dehumidifier with the intake or exhaust of the unit within 14" of a wall or other obstruction. Avoid directing the discharge air at people. The dehumidifier should be used in the upright position
- Do not place the unit where curtains or debris can be drawn into the intake and restrict airflow.
- The device is designed to be installed indoors in a space that is protected from rain and flooding.
- Do not operate in standing water or place the unit near open water. If used near a water source; be certain there is no chance the unit could fall into the water or get splashed and that it is plugged into a dedicated circuit and Ground Fault Circuit Interrupter (GFCI) protected outlet.
- Install the unit with enough space to access all sides for maintenance and service. The top panel needs to be removed in order to do repairs.
- DO NOT use the dehumidifier as a bench or table.
- DO NOT place the dehumidifier directly on structural building members without vibration absorbers or unwanted noise may result. Place the Santa Fe Oasis105 dehumidifier on supports to raise the base of the unit.

Location Considerations

- Locate the dehumidifier near a suitable drain (8' drain hose included). Allow for proper drainage and routing of needed drain pipes.
- Locate the dehumidifier in an area where the cord's length (9') easily reaches a 115 VAC electrical outlet with a minimum of a 15 Amp circuit capacity.
- The unit is designed to operate while level. If the unit is placed on an unlevel surface, refer to section below (Installing Leveling Feet). Failure to level the unit may result in leakage or improper drainage.
- The unit should be suspended with a hang kit from the floor joists if there is any possibility of flooding. A flooded unit is not covered by warranty. Feet will be installed as a securing measure after the hang kit is put on the dehumidifier. DO NOT hang the Santa Fe Oasis105 dehumidifier from its' cabinet.
- Allow sufficient clearance to handle the unit's overall dimensions as well as any optional return and supply ductwork to the unit.
- Allow sufficient clearance for filter removal and to prevent airflow obstruction.



Installing Leveling Feet

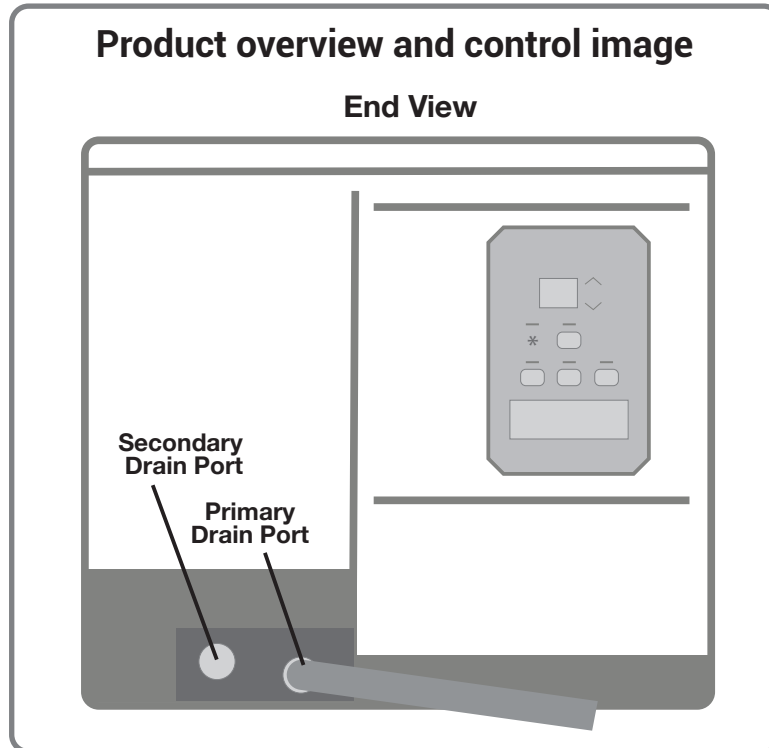
- Lay down a protective pad (pillow, blanket, etc.).
- Carefully turn unit onto side.
- Install leveling feet and adjust to the desired position to ensure unit is level for proper drainage.
- Carefully bring unit to upright position.
- Wait a minimum of 10 minutes before operating.

Drain Installation

The Santa Fe Oasis105 dehumidifier generates condensate.

The Santa Fe Oasis105 features a positive pressure drain that does not require a P-Trap. The unit includes a secondary drain pan with a dedicated float switch port. In order to use this feature the internal plug needs to be knocked out.

An optional condensate pump kit is available for use with the Santa Fe Oasis105 dehumidifier and may be installed if lift is required to dispose of condensate. Condensate is automatically pumped to a remote location when the water level in the pump's reservoir rises to close the float switch.



Use care to keep the hose as flat to the floor as possible. Be sure the hose is not kinked or otherwise restricted so water can pass through the hose freely. Improper installation of the drain hose may result in water leakage.

If the Santa Fe Oasis105 dehumidifier is located too far from the floor drain and the provided hose does not reach, you may use a 1/2" PVC rigid pipe to extend the drain.

Rigid PVC tubing is readily available from your local hardware store. Be sure the drain height is no higher than the Oasis drain port.

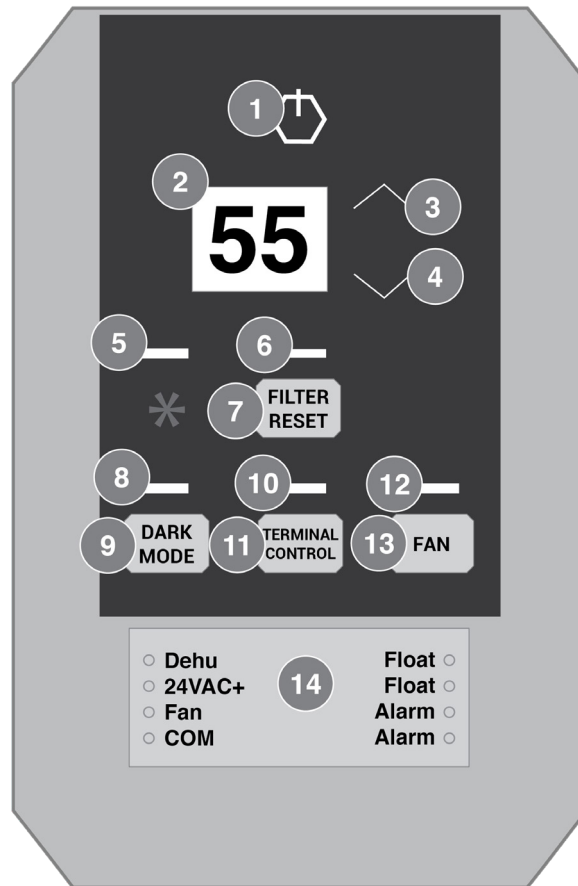
An optional condensate pump kit may be installed if lift is required to remove condensate. To order, contact your local dealer or visit our website at www.santa-fe-products.com. You may also reach us by phone at (800) 533-7533 and we can direct you to find a dealer.

CAUTION!

CHECK DRAIN LINE WHEN CHANGING FILTER TO ENSURE THERE IS NO BUILD UP OF ALGAE OR SLUDGE.

Operation

Controller Instructions



1. Control Functions

#	Name	Notes
1	Power button	Press and Hold to turn off the unit
2	Display	Displays, RH set point, Error Codes and Fan Setting
3	Up button	Press to raise RH set point
4	Down button	Press to lower RH set point
5	Defrost indicator	When lit indicates unit is in defrost
6	Filter indicator	When lit indicates a filter change is needed
7	Filter button	Press Filter button after filter is changed to reset
8	Dark Mode indicator	When lit indicates unit is in Dark Mode
9	Dark Mode button	Press to enter or leave Dark Mode (no lights on)
10	Terminal Control indicator	Indicates unit is looking for external input signals
11	Terminal Control button	Activates or Disables external control
12	Fan indicator	Indicates unit fan is on
13	Fan button	Changes fan modes from Low (Lo), Auto(Au) and High (Hi) press and hold button for High override.
14	Terminal block	Used to wire in external signals when in Terminal Control Mode

Operation (Continued)

Modes of Operation

Using Onboard Control

The Santa-Fe Oasis is designed for plug and play operation. Simply plug in the unit and route a condensate line to a drain. Press the Power button to turn on the unit. The unit is factory set at 55%RH. To change the RH% settings press the up and down arrows to adjust target RH%.

The unit is factory set to AUTO fan speed. This is the most efficient operating speed. Press the FAN button to toggle fan speed from AUTO to LOW, this is the slowest fan speed allowing for the quietest operating mode. Continue to press the FAN button in order to toggle to HIGH, this is a preset fan speed when the unit is ducted to insure no loss in performance for up to 0.4" of static resistance. When static pressure resistance is in excess of 0.4" but less than 1.0" of static resistance, Press and Hold the FAN button for 3 seconds, this will enter High Override mode, this changes the High setting. Press the up arrow to 99 in order to operate the fan at its maximum speed. Once High Override has been set, when toggling between the three modes, HIGH will no longer be the factory setting it will be the overridden value. For this product the Factory default value for HIGH is 47. To return to factory default, press and Hold the FAN button for 3 seconds and use the up and down arrows to return the value to 47. In order for the unit to function correctly, the Value must remain at 47 or higher for this unit.

Using Remote / Terminal Control

To operate the unit using remote control. Press the TERMINAL button, the display will now show TC. This means terminal control. When operating in terminal control, the unit will no longer use its onboard sensors, it will turn on and off when a signal is sent. That signal can be anywhere from 4V to 30V in AC or DC configurations.

While in Terminal Control mode, the unit FAN speed is configurable based on the application. In the rare instance when an Error code is triggered on the unit, the alarm terminals will receive a 24Vac signal. When wired effectively this signal can be used to actuate a buzzer or turn on a warning light.



- When the Terminal Control button is pressed, the display will show "tc".
- The Terminal Control button is used to activate the "DEHUM" input on the terminal block.
- This must be activated when an external control is used to control RH. When Terminal Control is active, the internal RH sensor is disabled.
- Remove the cover from the user interface to expose the terminal block inputs & outputs.

Oasis105 Terminal Block Control Operations:

DEHUM: Dehumidification (Fan and Compressor) Control Input.

24VAC (10VA MAX): Transformer High Side Output to External Control.

Fan: Fan Control Input.

24V COM: 24VAC Power Transformer Neutral Side Output to External Control.

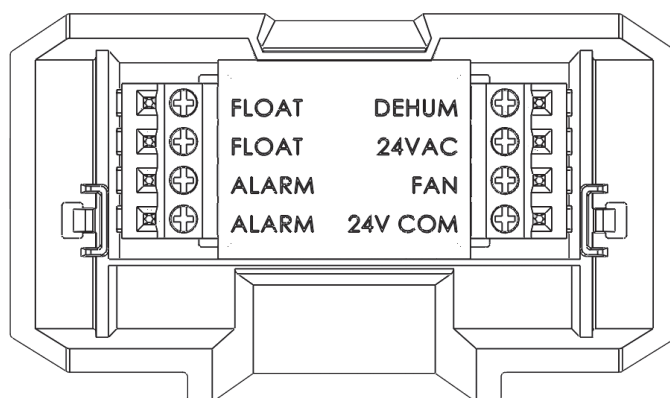
FLOAT: External Low Voltage Float Switch or Water Sensor Input (Use Normally Closed Switch).

FLOAT: External Low Voltage Float Switch or Water Sensor Input (Use Normally Closed Switch).

Alarm: Normally Closed Relay Output - Indicates when dehumidifier is in an alarm state.

Alarm: Outputs a 24V signal when the Dehumidifier returns an on board error code.

Backside of Terminal Cap



CAUTION!

THE ON-BOARD TRANSFORMER ONLY HAS A 10VA POWER SUPPLY. IT DOES NOT HAVE ENOUGH POWER TO CONTROL ADDITIONAL COMPONENTS BEYOND AN EXTERNAL CONTROL. IF OTHER COMPONENTS (SUCH AS A VENTILATION DAMPER) ARE BEING CONNECTED, DRAW POWER FROM THE MAIN HVAC SOURCE AND CONNECT A 24V COM WITH THE COM ON THE HVAC SYSTEM LOW VOLTAGE TRANSFORMER.

Air Filtration

The Santa Fe Oasis105 dehumidifier is equipped with MERV-13 air filter (89-90% ASHRAE dust spot). The filters should be checked and replaced every three to six months. Operating the unit with a dirty filter will reduce dehumidifier capacity and efficiency.

DO NOT operate the unit without a MERV-8, MERV-11 or MERV-13 filter. Filter non-compliance voids the product warranty.

⚠ CAUTION!

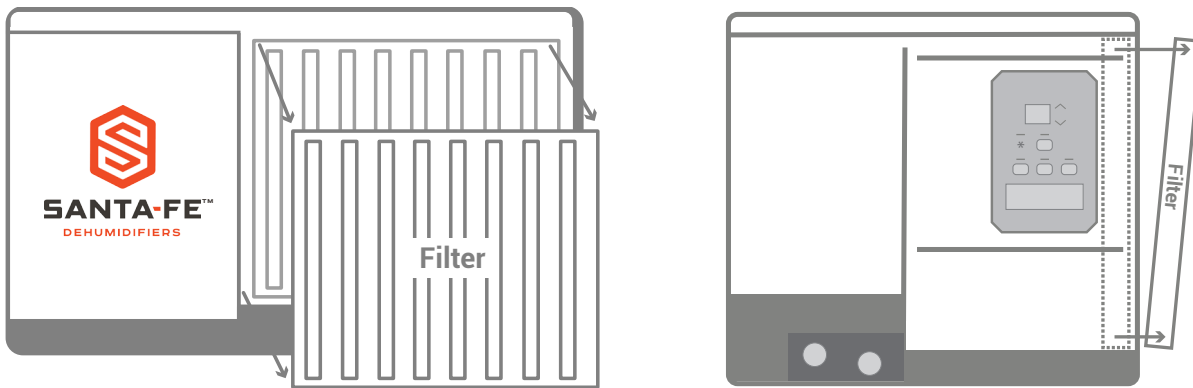
MAKE SURE UNIT IS OFF BEFORE CHANGING THE FILTER. FAILURE TO FOLLOW FILTER HANDLING INSTRUCTIONS MAY RESULT IN IMPROPER FUNCTION OF THE DEHUMIDIFIER AND CAUSE PREMATURE FILTER WEAR OR UNIT DAMAGE.

Changing the Filter

For greatest filtration and efficiency of the Santa Fe Oasis105 dehumidifier, it is recommended the air filters be replaced every three to six months.

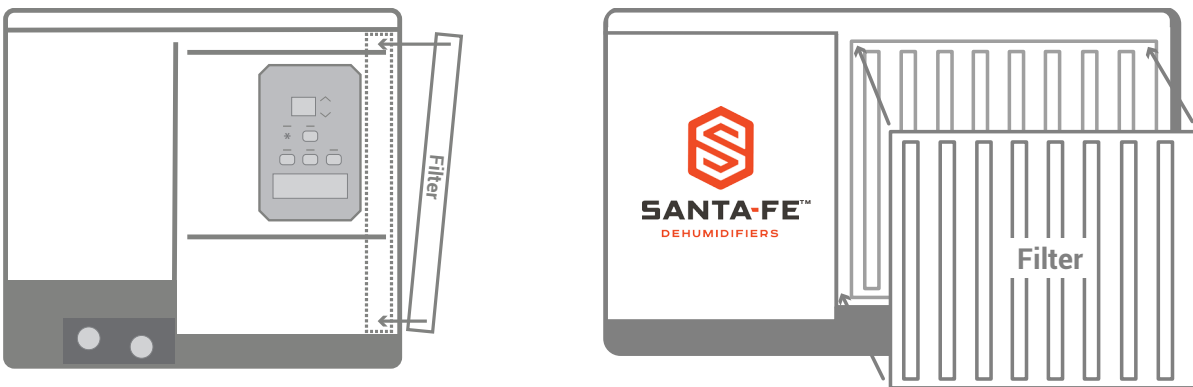
Step 1 - Removing the Filter:

Remove MERV-13 filter by gently pulling on the top of the filter frame.



Step 2 - Replacing the Filter:

Angle the bottom of the MERV-13 filter and gently slide the filter into the filter slot. Do not force. If resistance is felt, check alignment for obstructions or debris inside the filter housing. Be sure the arrows on the filter are facing into the dehumidifier.



Basement/Crawl Space Installation

1. The Oasis105 must operate in an enclosed area to be most effective. Close all exterior vents, doors, windows, and other outside openings to the space. The effectiveness of the dehumidifier depends on the rate at which new moisture-laden air enters the room.
2. Place dehumidifier in a central location that does not restrict the airflow of the air intake and air outlet.
3. The dehumidifier must be installed on a level floor to ensure water drains out of the unit correctly.
4. There should be a minimum of 14 inches clearance around the dehumidifier. The unit will produce heat while in operation and should not be operated in an enclosed small space like a closet unless it is ducted.

The Oasis105 is designed to operate between 49 °F and 115 °F. If the inlet air temperature is out of this range, the unit will display an error code and not operate.

Ducting To Finished Areas (Optional)

Return and supply duct collars are optional accessories for the Santa Fe Oasis105 and not included with the unit.

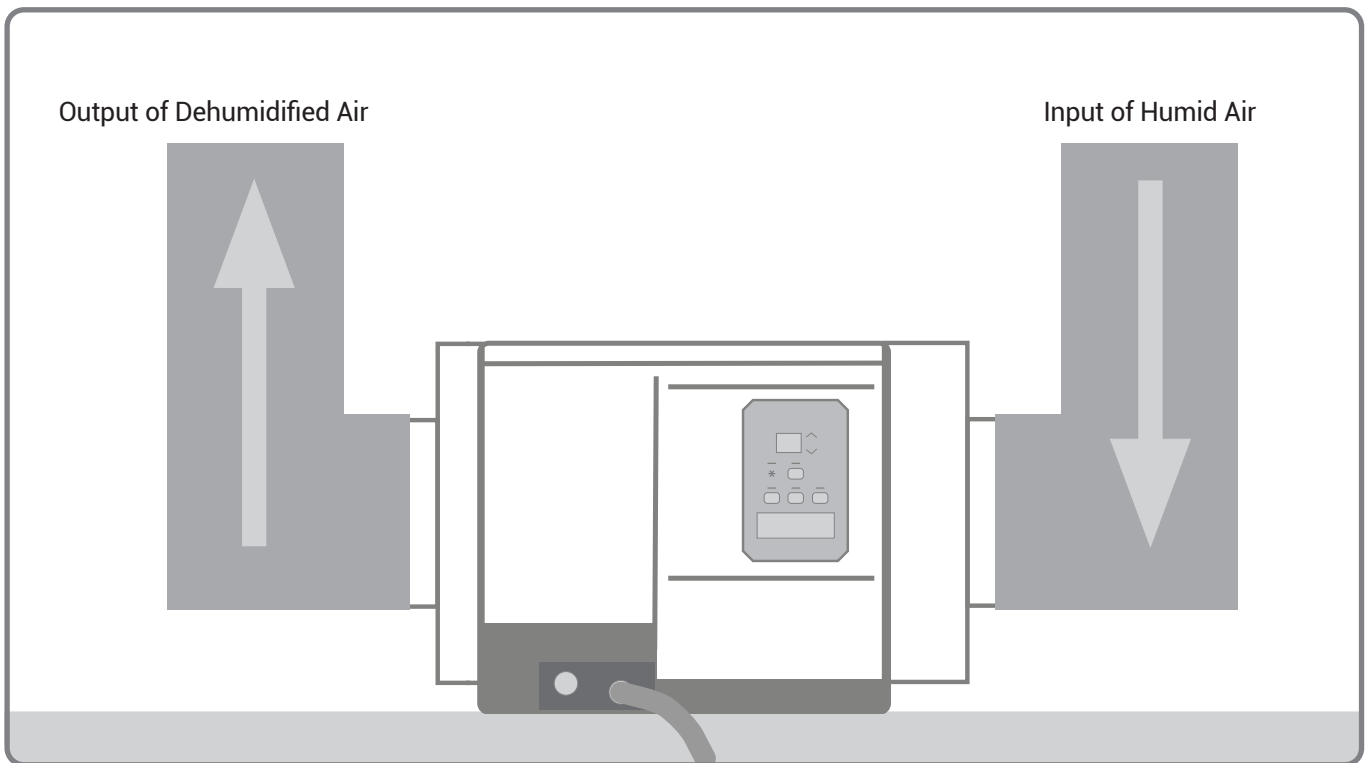
Attaching Duct Collars

Return Air Inlet

A 10" diameter duct collar and a front panel are attached to the unit.

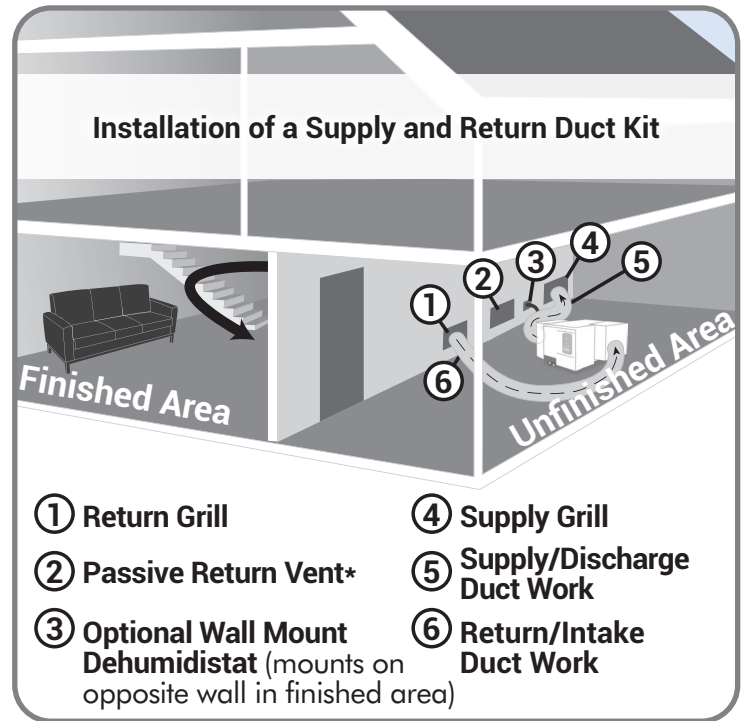
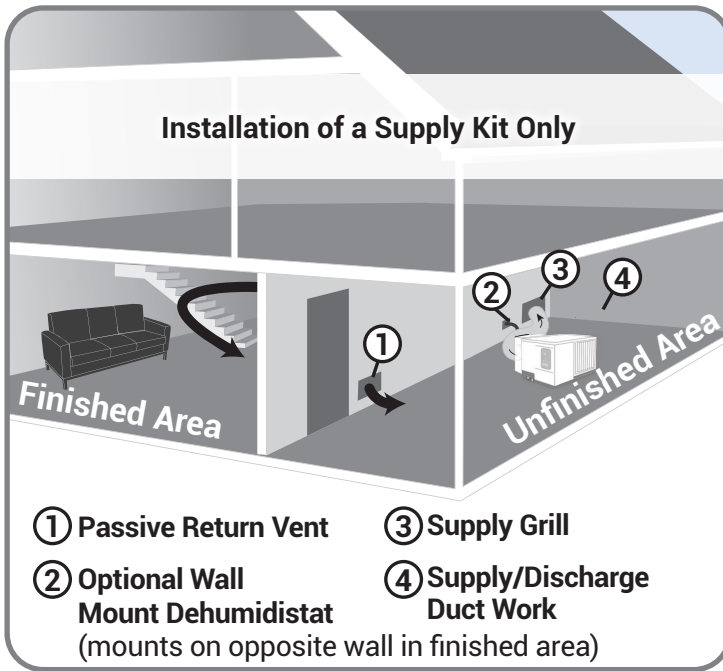
Supply Air Outlet

Two 10" diameter duct collars attach to the outlets on each side of the unit. They can be attached to one exhaust outlet or both exhaust outlets. Use the included duct plate to block off one of the outlets if needed.



Ducting To Finished Areas (Optional)

Recommended Installations



- Place the Santa Fe dehumidifier in the unfinished area of the basement, near a drain access (condensate will drain via gravity or with an optional pump kit).
- Using the supply duct collar, supply the dry air from the dehumidifier into a large, open area in the finished section of the basement.
- Place a return grill / passive vent on the other side of the wall that separates the finished and unfinished areas. This will allow for a circular air flow throughout the basement.
- The passive grill will prevent the unfinished room from being placed under a negative pressure and also allow the dehumidifier to focus on keeping the unfinished area dry as well.
- The onboard dehumidistat control can be used on the unit for this application or a 120 volt dehumidistat can be placed in the finished basement as well.
- Be sure to keep all doors open to any other rooms in the basement to help with proper air circulation (bedrooms, bathrooms, etc.)

- Place the Santa Fe dehumidifier in the unfinished area of the basement, near a drain access (condensate will drain via gravity or with an optional pump kit).
- Using the supply and return duct kit, supply the dry air from the dehumidifier into a large, open area of the finished basement. Use the return duct kit to draw air back through the dehumidifier.
- Be sure the return and supply are at least 10 feet away from each other for proper air flow throughout the basement. Add a passive grill between the finished and unfinished areas (*or have a 2" gap under the door separating the two rooms). This will help keep the unfinished area dry as well.
- Use the 120 volt, wall mounted dehumidistat for this installation for proper run time on the dehumidifier.
- Be sure to keep all doors open to any other rooms in the basement to help with proper air circulation (bedrooms, bathrooms, etc.)

Ducting To HVAC Systems

Return and supply duct collars are optional accessories for the Santa Fe Oasis105 and not included with the unit.

⚠ CAUTION!

**DO NOT CONNECT WITH A STATIC PRESSURE GREATER THAN OR EQUAL TO +1.0 WG.
CONTACT TECHNICAL SUPPORT AT (800) 533-7533 FOR ADDITIONAL DETAILS.**

Ducting Considerations:

- All flexible ducting connected to the Santa Fe Oasis105 should be UL listed.
- A short piece of flexible ducting on all Santa Fe Oasis105 duct connections is recommended to reduce noise and vibration transmitted to rigid ductwork in the structure.
- Use a minimum 10" diameter round or equivalent rectangular duct for total duct lengths of up to 25'.
- Grills or diffusers on the duct ends must not excessively restrict airflow.
- A length of 8" or more of insulated flex duct or any other vibration isolating material on the outlet of the Santa Fe Oasis105 will reduce air noise from the blower.
- Effective dehumidification may require that ducting be branched to isolated, stagnant air flow areas. When ducting to two or three areas, use 8" or larger diameter branch ducting. When ducting to four or more areas, use 6" or larger diameter branch ducting. Provisions must be made to provide airflow from supply locations to the central return location. Proper air distribution is important to ensure even humidity control and heat distribution throughout the structure.
- DO NOT locate the return in a bathroom or a kitchen.

Decide Where To Place The Unit.

⚠ CAUTION! ALLOW FOR ENOUGH SPACING TO PROPERLY ROUTE THE RETURN AND SUPPLY CONNECTION

Choose Weather To Place On Floor Or Hang Dehumidifier.

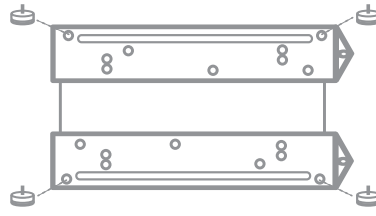
⚠ CAUTION! INTERNAL STOPS LIMIT FEET HEIGHT. DO NOT TIGHTEN FEET BEYOND THE RESISTANCE PROVIDED BY STOPS.

- a. **If You Place On Floor**
Attach leveling feet and use vibration pads and/or risers.



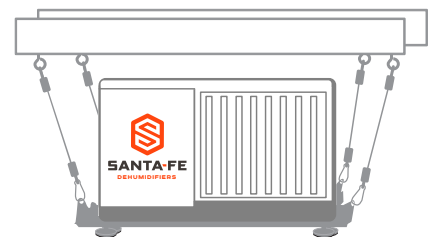
* RECOMMEND 4" OFF GROUND

- b. **If You Hang Dehumidifier**
Use 2 Brackets* Per Unit.
* Brackets sold separately.



* NOTE: LEVELING FEET HOLD BRACKET IN PLACE

Example Of Hanging Option:



Ducting To HVAC Systems

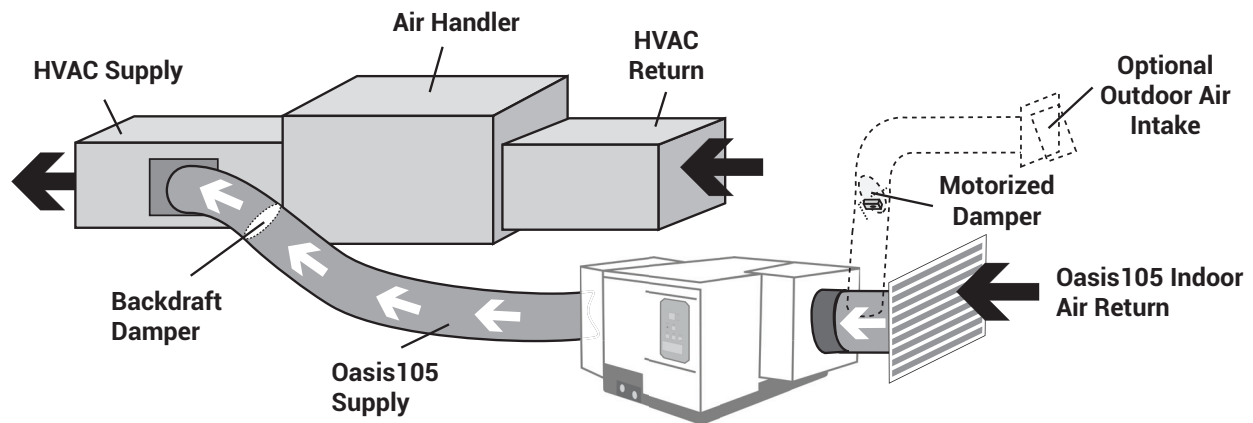
1. Recommended HVAC System Installations

a. Attic

The recommended installation draws air from a central location through a dedicated return to the dehumidifier and ducts the supply of the dehumidifier to the air supply of the HVAC system. Utilize the optional outdoor air ventilation duct to provide outdoor air.

- Install a dedicated 10" air return for the Santa Fe Oasis105 from a central area of the structure.
- Duct the supply of the Santa Fe Oasis105 to the supply of the HVAC system with a backdraft damper.
- If the existing system has multiple returns, instead of installing a dedicated return to the Santa Fe Oasis105, it is possible to select one to disconnect from the existing HVAC system and use it for the dedicated Santa Fe Oasis105 return. Select a return from a central location in the house that is always open to the rest of the structure. DO NOT use a return from a room where doors are kept closed.
- DO NOT locate return in a bathroom or kitchen.
- On board control or use external control.
- For optimum performance in unconditioned hot attics remote operation using an external control is preferred.

Dedicated Santa Fe Return to HVAC Supply

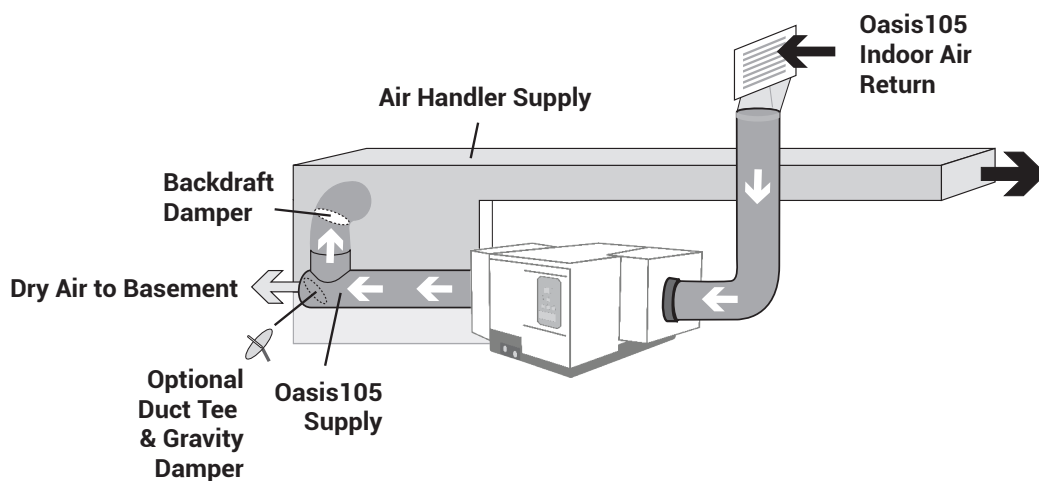


Ducting To HVAC Systems

b. Installation in a Basement or Crawlspace

Install a separate 10" return for the Oasis105 in a central area of the structure. Duct the supply of the dehumidifier to the air supply of the HVAC system with a backdraft damper.

Optional: Duct the supply of the Oasis105 to a 10" x 10" x 10" tee/damper with a gravity draft damper, adjusted to 20% open to the basement. **CAUTION:** Air takes the path of least resistance. If the upper levels of the living space are not receiving the appropriate amount of dry air, this damper may need to be adjusted. When the dehumidifier is not running, there is a chance that air from the basement or crawlspace will make its way back through the gravity damper and into the living space.



Ducting To HVAC Systems

2. Alternative HVAC System Installation

If the Recommended Dedicated Oasis105 Return to HVAC Supply Installation is not possible, there are several alternative installation options available.

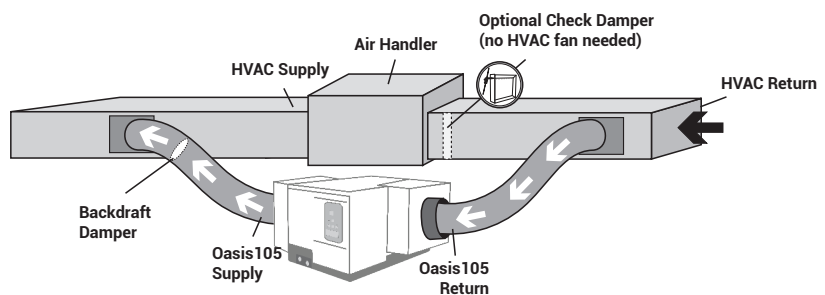
- DO NOT locate return in a bathroom or kitchen.
- It is recommended if the unit is operating in an unconditioned attic that the control be located remotely from the dehumidifier and placed in a central location.
- For basement and crawl space installations, an optional tee can be installed on the Oasis105 Supply.

a. HVAC Return to HVAC Supply

Check Damper should be in place between the Return and Supply connections of the dehumidifier.

If Check Damper is not in place, the HVAC fan must turn on when the dehumidifier is in operation.

Anything greater than 0.4" of static requires HI fan setting. Anything greater than 0.7" of static requires HI override (99). Anything greater than 0.9" is not recommended.

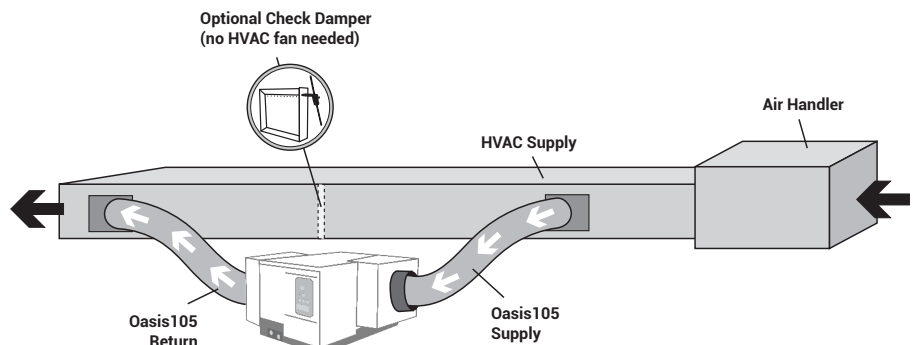


b. HVAC Supply to HVAC Supply

⚠ CAUTION!

TO AVOID THE DEHUMIDIFIER CYCLING IN AND OUT OF DEFROST, IT IS RECOMMENDED THAT THE LEAVING AIR TEMPERATURE OF THE A/C COIL IS NOT BELOW 55°F. ALSO, THIS INSTALL IS NOT RECOMMENDED FOR CLIMATES WHERE THE HEATING SYSTEM WILL RUN DURING THE SPRING AND FALL TIMES OF THE YEAR, AS THIS COULD DIMINISH THE WATER REMOVAL CAPABILITY OF THE DEHUMIDIFIER.

If Check Damper is not in place, the HVAC fan must turn on when the dehumidifier is in operation.



⚠ WARNING

DUE TO PRESSURE RESISTANCE IT IS NOT RECOMMENDED TO USE THE OPTIONAL OUTDOOR AIR INTAKE WHEN INSTALLING THE DEHUMIDIFIER SUPPLY TO SUPPLY.

Ducting To HVAC Systems

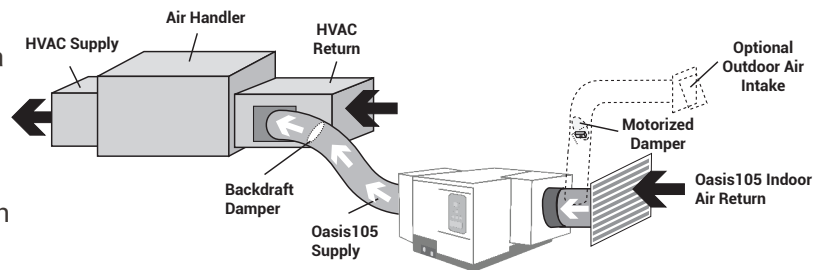
⚠ CAUTION!

PLEASE NOTE: RETURN TO RETURN INSTALLS ARE TO BE CONSIDERED LAST RESORT OPTIONS AND ARE NOT RECOMMENDED. THE DEHUMIDIFIER WILL HEAT THE AC COOLING COILS WHICH DIMINISHES THE AMOUNT OF WATER THE AC SYSTEM WILL REMOVE WHEN OPERATING. IF THIS INSTALLATION IS CHOSEN, THE DEHUMIDIFIER MUST ACTIVATE THE HVAC BLOWER AND AC CALLS NEED TO LOCK OUT THE DEHUMIDIFIER FROM RUNNING. PLEASE CHECK YOUR LOCAL CODES PRIOR TO INSTALLING.

c. Dedicated Oasis105 Return to HVAC Return

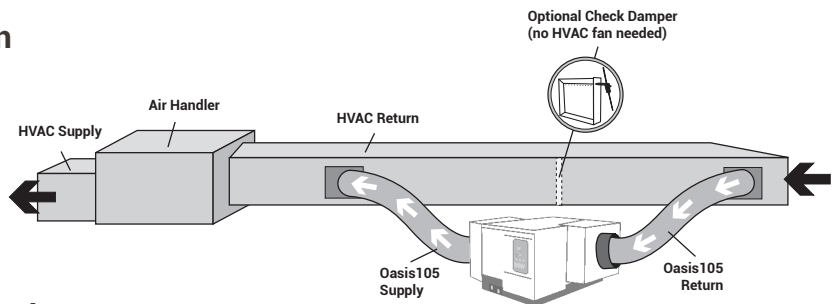
Create a separate return for the Oasis105 Dehumidifier in a central area of the building.

Installing the supply air from the Oasis105 Dehumidifier to the return of the HVAC system requires the HVAC fan to run when the Oasis105 Dehumidifier is operating.



d. HVAC Return to HVAC Return

If Check Damper is not in place, the HVAC fan must turn on when the dehumidifier is in operation.



e. No Existing Ductwork Installation

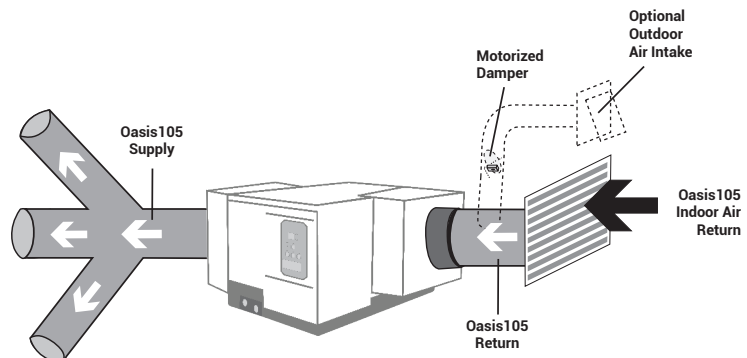
When installing the Oasis105 Dehumidifier in a structure that does not have a forced-air HVAC system, a single return for the dehumidifier should be installed in a central location.

Install a 6" insulated duct from outside, teeing into the 8" return duct of the Oasis105 Dehumidifier to provide outdoor air ventilation (optional).

The supply of the Oasis105 Dehumidifier should be ducted to the rooms in the home that have the ductless mini-split heads and as close to the heads as possible. Be sure to utilize multiple rooms to allow air inside the structure to properly circulate. Proper air distribution is important to ensure even humidity control and heat distribution throughout the structure.

A 6" diameter duct is recommended for branches to bedrooms. An 8" diameter duct is recommended for branches to larger areas.

- DO NOT locate return in a bathroom or kitchen.
- DO NOT locate the supply in rooms where doors may be closed.
- Control should be located remotely from the dehumidifier and placed in a central location.



Service - Troubleshooting

CAUTION!

TROUBLESHOOTING SHOULD BE PERFORMED BY A QUALIFIED HVAC TECHNICIAN.

Display Code	Error Name	Possible Reason	Troubleshooting Procedure	Service Required
E1	Ambient sensor	<ol style="list-style-type: none"> Defective sensor Unplugged sensor 	<ul style="list-style-type: none"> Dehumidifier fan will circulate air for 1 minute. Dehumidifier compressor will activate for 15 minutes. This process will repeat every 15 minutes. 	No
E2	Low dew point	Sensor reading incoming air dew point is under 40°F	<ul style="list-style-type: none"> Dehumidifier will circulate air for 15 minutes every hour. Dehumidifier will not operate until incoming air dew point reads above 40°F. 	No
E3	Low refrigerant	Evaporator coil temp is too high, during extended operation	Dehumidifier will go into lock-out mode for 1 hour and then attempt to activate compressor.	Yes
E4	Float switch	<ol style="list-style-type: none"> Tripped float switch Loose connection Terminal block unplugged from unit 	The compressor and fan in the dehumidifier will remain off until the connection is fixed or the water event that activated the switch is resolved.	No
E5	Coil temperature sensor	<ol style="list-style-type: none"> Defective sensor Loose connection 	<ul style="list-style-type: none"> Dehumidifier will go into lock-out mode for 1 hour and then activate compressor for 15 minutes. After the compressor runs for 15 minutes, the unit will go into defrost mode for 30 minutes. This process will repeat. 	No

Service - Troubleshooting

Display Code	Error Name	Possible Reason	Troubleshooting Procedure	Service Required
E6	Temperature too high	Sensor reading incoming air temp is over 120°F	<ul style="list-style-type: none"> Dehumidifier will circulate air for 15 minutes every hour. Dehumidifier will not operate until incoming air temp sensor reads below 120°F 	No
E7	Temperature too low	Sensor reading incoming air temp is under 40°F	<ul style="list-style-type: none"> Dehumidifier will circulate air for 15 minutes every hour. Dehumidifier will not operate until incoming air temp reads above 40°F. 	No
E8	Communication from power board is not being received	<ol style="list-style-type: none"> There is a cable connection issue Defective power board 	The power board will continue to run unit using the last settings but changes to operation cannot be made until communication is restored.	Yes, only if operational changes are required
E9	Over pressure refrigeration system	<ol style="list-style-type: none"> High pressure sensor has tripped due to excess pressure in the refrigeration system Incoming air temp is too high 	Power board will be in system protection mode.	Yes, only if the error persists when operating below 90°F incoming air

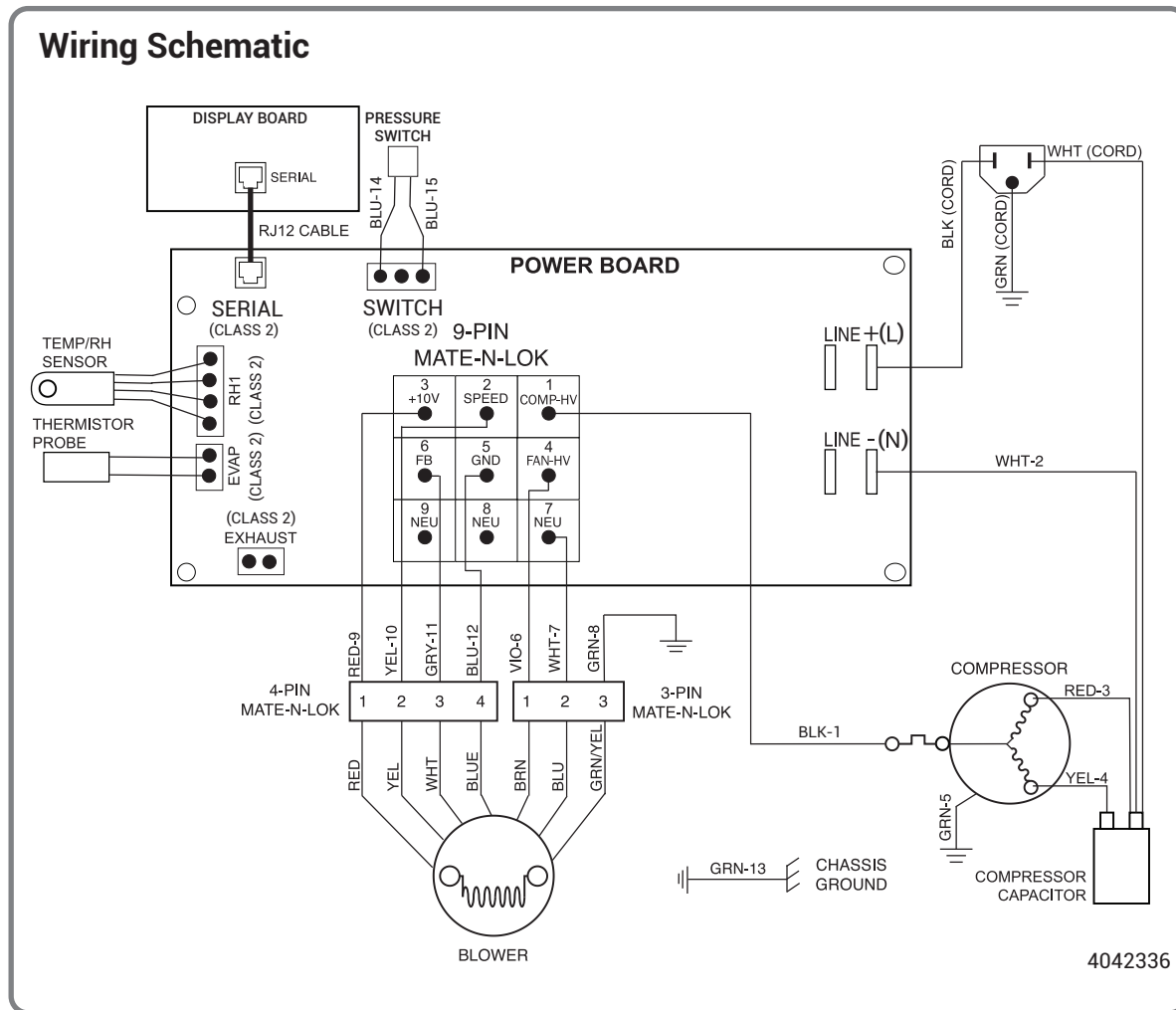
Electrical Requirements

The Santa Fe Oasis105 dehumidifier plugs into a common grounded 115VAC outlet. The Oasis105 draws 5 Amps at 80°F and 60% RH. Locate the dehumidifier in an area where the cord's length (9') easily reaches a 115 VAC electrical outlet with a minimum of 15 Amp circuit capacity. If used in an area that may become wet, a GFCI protected circuit is recommended. The unit should not be used in areas prone to flooding. Consult local electrical codes for any further information.

An optional remote dehumidistat is available for use with the Santa Fe Oasis105 dehumidifier and is to be located remotely from the dehumidifier.

⚠ CAUTION!

ELECTRICAL SHOCK HAZARD: Electrical power must be present to perform some tests. These tests should be performed by a qualified service person.



Warranty

Limited Warranty. Therma-Stor, LLC ("Therma-Stor") warrants as follows: (i) the Santa Fe Oasis105 dehumidifier ("Product") will be free of material defects in workmanship or materials for a period of 2 years ("Two-Year Warranty") following the date of initial purchase of such Product by an original customer purchasing from Therma-Stor or an authorized reseller ("Customer"); and (ii) the Product's components will be free of material defects in workmanship or materials for a period of **six (6) years** following the date of initial purchase of such Product by a Customer.

Limitation of Remedies. CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THE ABOVE LIMITED WARRANTY AND THERMA-STOR'S ENTIRE LIABILITY THEREUNDER, SHALL BE, AT THE SOLE OPTION OF THERMA-STOR, REPLACEMENT OR REPAIR OF SUCH PRODUCT OR ITS COMPONENTS ("COMPONENTS") BY THERMA-STOR OR THERMA-STOR'S AGENTS ONLY. REFRIGERANT, PIPING, SUPPLIES, TRANSPORTATION COSTS, LABOR COSTS INCURRED IN REPAIR OR REPLACEMENT OF SUCH COMPONENTS ARE NOT INCLUDED. THIS DISCLAIMER AND EXCLUSION SHALL APPLY EVEN IF THE EXPRESS WARRANTY AND LIMITED REMEDY SET FORTH HEREIN FAILS OF ITS ESSENTIAL PURPOSE. CUSTOMER ACKNOWLEDGES THAT NO REPRESENTATIVE OF THERMA-STOR OR OF ITS AFFILIATES OR RESELLERS IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY ON BEHALF OF THERMA-STOR OR ANY OF ITS AFFILIATES OR RESELLERS THAT IS NOT IN THIS AGREEMENT. Notwithstanding the above, during the term of the Two-Year Warranty only, Therma-Stor will provide, free of charge to Customer, all Components and labor (except costs related to removal and installation of Product) required to fulfill its obligations under such Two-Year Warranty.

Disclaimer of Warranties. EXCEPT FOR ABOVE LIMITED WARRANTY, WHICH IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED WITH RESPECT TO THE PRODUCT AND ITS COMPONENTS, THERMA-STOR HEREBY DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Warranty Limitations. The foregoing limited warranty extends only to a Customer and shall be null and void upon attempted assignment or transfer. A "defect" under the terms of the limited warranty shall not include problems resulting from Customer's or Customer's employees', agents', invitees' or a third party's misuse, improper installation, improper design of any system in which the Product is included, abuse, lack of normal care, failure to follow written instructions, tampering, improper repair, or freezing, corrosion, acts of nature or other causes not arising out of defects in Therma-Stor's workmanship or material. If a Product or Component is replaced while under warranty, the applicable limited warranty period shall not be extended beyond the original warranty time period. The limited warranty does not cover any costs related to changes to a Product or Component that may be required by any codes, laws, or regulations that may become effective after initial purchase of the Product by Customer.

Customer Responsibilities. As a further condition to obtaining warranty coverage hereunder, the Customer must send a valid warranty claim to Therma-Stor such that Therma-Stor receives such claim prior to the end of the applicable warranty period. Therma-Stor shall have no obligation hereunder with respect to any claim received by Therma-Stor after the expiration of the applicable warranty period. As a further condition to obtaining warranty coverage hereunder, the Customer must present forms of invoices evidencing proof of purchase of a Product. If such invoices do not clearly indicate the date of initial purchase by a Customer, the applicable Product's date of manufacture will be used instead of the date of initial purchase for the purpose of calculating the commencement of the applicable warranty period. Warranty service must be performed by Therma-Stor or a servicer authorized by Therma-Stor. In order to obtain warranty service, the Customer should call Therma-Stor at 1-800-533-7533 and ask for the Therma-Stor Products Service Department, which will then arrange for applicable warranty service. Warranty service will be performed during customary, daytime working hours. If the Product must be shipped for service, Customer shall be solely responsible for properly packaging the Product, for all freight charges, and for all risk of loss associated with shipment.

Limitation of Liability. IN NO EVENT SHALL THERMA-STOR, IN CONNECTION WITH THE DESIGN, SALE, INSTALLATION, USE, REPAIR, REPLACEMENT OR PERFORMANCE OF ANY PRODUCT, COMPONENT, PART THEREOF OR WRITTEN MATERIAL PROVIDED THEREWITH, BE LIABLE, TO THE EXTENT ALLOWED UNDER APPLICABLE LAW, UNDER ANY LEGAL THEORY FOR ANY SPECIAL, DIRECT, INDIRECT, COLLATERAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. NOTWITHSTANDING THE ABOVE LIMITATIONS AND WARRANTIES, THE SOLE AND EXCLUSIVE LIABILITY OF THERMA-STOR, REGARDLESS OF THE NATURE OR THEORY OF THE CLAIM, SHALL UNDER NO CIRCUMSTANCES EXCEED THE PURCHASE PRICE OF THE PRODUCT, COMPONENT OR PART UPON WHICH THE CLAIM IS PREMISED.

Applicable Law and Venue. ANY ARBITRATION, ENFORCEMENT OF AN ARBITRATION OR LITIGATION RELATED TO THE PRODUCT WILL BE BROUGHT EXCLUSIVELY IN DANE COUNTY, WISCONSIN, AND CUSTOMER CONSENTS TO THE JURISDICTION OF THE FEDERAL AND STATE COURTS LOCATED THEREIN, SUBMITS TO THE JURISDICTION THEREOF AND WAIVES THE RIGHT TO CHANGE VENUE. CUSTOMER FURTHER CONSENTS TO THE EXERCISE OF PERSONAL JURISDICTION BY ANY SUCH COURT WITH RESPECT TO ANY SUCH PROCEEDING.

Miscellaneous. If any term or condition of this Limited Warranty is found by a court of competent jurisdiction to be invalid, illegal or otherwise unenforceable, the same shall not affect the other terms or conditions hereof or thereof or the whole of this Limited Warranty. Any delay or failure by Therma-Stor to exercise any right or remedy will not constitute a waiver of Therma-Stor to thereafter enforce such rights.

Warranty Registration Card

IMPORTANT WARRANTY INFORMATION - DO NOT DISCARD

WARRANTY

REGISTER YOUR PRODUCT.

PART NUMBER ▶

SERIAL NUMBER ▶

www.thermastor.com/registration

WARRANTY

**Register your product
using the serial number
and part number above at
www.thermastor.com/registration**

**This is important
Warranty Information.
Please DO NOT DISCARD!**



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