Sentinel SLGR 1400X

Installation & Operations Manual
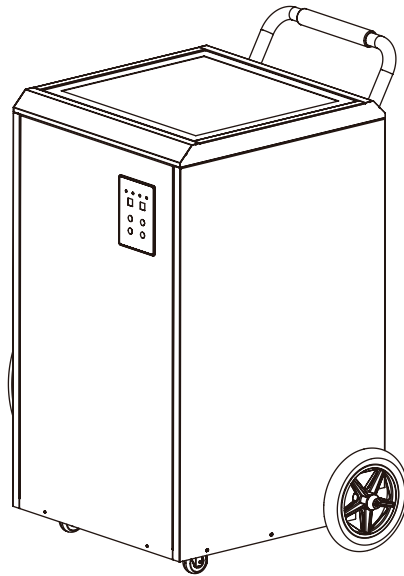
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AlorAir Solutions INC.

Specifications subject to change without notice.

TABLE OF CONTENTS

SAFETY INSTRUCTIONS

Read these instructions carefully and completely before continuing with the installation.

Warning

• Install dehumidifier according to all applicable local, state and national codes.

• Connect your dehumidifier to a grounded, dedicated electrical connection that is GFCI protected with 15 amp capacity. Do not use an extension cord or plug adapter.
   ◦ The use of any other type of electrical connection will void the warranty.
   ◦ Be sure to follow your GFCI manufacturer's maintenance instructions.

• Unless otherwise noted, all maintenance should be done with the unit powered off.

Caution

• Do not insert objects or your fingers into the inlet or discharge of the dehumidifier.

• Do not use water to clean the exterior of the unit. To clean the unit, unplug the dehumidifier and then use a damp cloth to wipe the exterior.

• Your dehumidifier should only be serviced or repaired by a qualified technician.

• Do not stand on the dehumidifier or place objects on it.

• This unit is not designed for swimming pool applications.

WARRANTY REGISTRATION

Your dehumidifier comes with an extensive warranty. To register your unit, simply fill out and return the warranty form provided in the box, or visit our website.

For future reference, write down the model, serial number and date of purchase. This information is necessary for seeking assistance in the future and can be found on the data label on the side of the unit.

Model: Sentinel SLGR 1400X   **Date Of Purchase**

Serial Number:

HOW THE DEHUMIDIFIER WORKS

The Sentinel SLGR 1400X is a dehumidifier that can be used in a variety of ways to control the humidity level in your home. In the simplest terms, when the humidity level exceeds the set point of the humidity controller, the dehumidifier will energize. The internal fan and compressor will turn on, forcing air to be drawn across the evaporator coil, which is cooler than the dew point of the air, allowing the coil to remove water from the air and exit via the drain. The air is then reheated as it flows across the condenser coil and distributed back into the conditioned space.
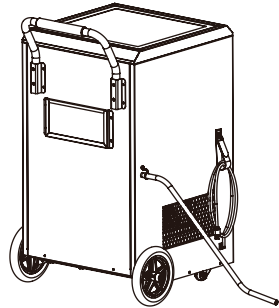
DEHUMIDIFIER SPECS

Capacity (80 °F / 60%)	115 PPD
Capacity (73 °F / 60%)	73 PPD
Power Supply	115V / 60Hz
Operating Temp.	33 - 105 °F
Airflow @ 0.0″	320 CFM
Weight	115 lbs.

INSTALLATION REQUIREMENTS

• The area where the dehumidifier is located needs to be sealed.

• If the unit is installed in a crawlspace, all vents should be sealed and a vapor barrier should be used.

• For proper ventilation, neither the inlet or the discharge should be positioned against a wall. The top inlet needs a minimum of 12″ clearance, the back inlet requires a minimum of 6″ clearance, and the discharge requires a minimum of 36″ clearance.

• Stealth Dehumidifiers are only intended for operation when the unit is upright and level.

BASIC SETUP

1. **Place the dehumidifier on a level surface.**

2. **Set up the drain line**
    a. Insert drain line into drain on side of unit (same side as discharge)

    b. The drain line should be routed to a suitable drain option.

    c. THE DRAIN LINE MUST FLOW DOWN INTO PVC DRAIN WITH NO LOOPS, DIPS, OR KINKS.

    d. **Recommended Drain Option- Transition to PVC Pipe.**

        I. Cut a piece of 3/4"OD PVC that is approx. 6″ long.

        II. Attach PVC + elbow to a 3/4″ OD piece of PVC to drain. Keep the length of PVC as short as possible.

        III. Insert the open end of the dehumidifier drain tube into a 6″ piece of PVC so that it does not extend into elbow fitting. For a proper flow, a minimum downward slope of 1″ per 10'run is required.

        IV. Support the PVC tubing so that it maintains a smooth down ward flow to drain.

3. **Remove power from cord holder. Plug unit into a dedicated 15 amp GFCI protected outlet.**

USING THE DEHUMIDIFIER DISPLAY

Continuous Operation Indicator Light

Operation Indicator Light

Humidity Detection Display Window

Power On/Off Button

Increase Button

Ventilation Mode Indicator Light

Fan Speed Indicator Light

Humidity Setting,Fault Code Display Window

Fan Speed Button

Decrease Button

—ALORAIR—

Power   Cont.   Vent.   Airflow

%RH   SET RH

ON/OFF   AIRFLOW

UP   DOWN
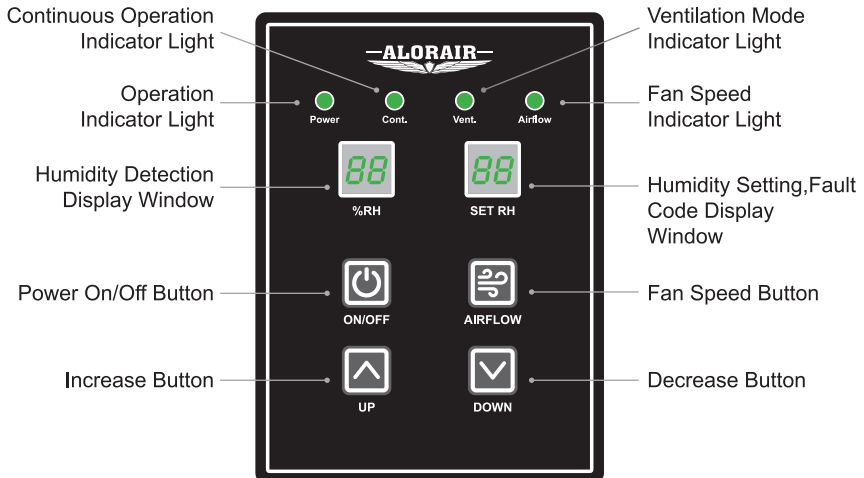
Indicator Lights

1. Power Indicator Light

a. This light indicates what status the dehumidifier is in. The light will be green.

b. When the dehumidifier is running, the light is constantly on.

c. When in defrost mode, the light will flash rapidly.

d. When in standby mode (humidity in space is UNDER set point, so no need to run), the light will flash slowly.

e. When the dehumidifier is off, the light will also be off.

2. Cont. Indicator Light

a. This light turns green when the dehumidifier is in continuous operation mode. The light stays on until continuous mode is turned off.

3. Vent. Indicator Light

a. This light turns green when the unit is in ventilation mode. The light stays on until ventilation mode is turned off.

4. Airflow Indicator Light

a. This light indicates the speed of the fan. A green light indicates low speed, while a red light indicates high speed.

b. Using low fan speed (green light) will allow the dehumidifier to be extra quiet.

Display Windows

1. %RH Display Window

a. This window displays the real time humidity level. While the dehumidifier is running, the detected relative humidity will be shown.

2. SET RH Display Window

a. This window displays the target relative humidity level, error codes, and mode codes.

b. While adjusting your target humidity level, you will see the numbers change on this screen. During adjustment, the numbers will flash. Once a level is chosen, wait 3 seconds and the display will stop flashing.

c. When in ventilation or continuous mode, you will see Vt (ventilation) or CO (continuous) on the display screen.

d. If there is an error code, it will display here. For example, it might show E1.

Button Functions

1. ON/OFF Button

a. Press this button to turn the unit on or off.

2. Airflow Button

a. Press this button to adjust the fan speed between low speed and high speed.

b. Low fan speed is useful if you would like the dehumidifier to be extra quiet.

3. Increase and Decrease Buttons

a. Use these buttons to adjust the target relative humidity level.

4. Ambient Temperature

a. If you would like to view the ambient temperature: press and hold Increase Button + Airflow Button for 3 seconds.

b. The Set RH window will flash the ambient temperature for 3 seconds, before automatically reverting back to target relative humidity level.

5. Coil Temperature

a. If you would like to view the coil temperature: press and hold Increase Button + Decrease Button for 3 seconds.

b. The Set RH window will flash the coil temperature for 3 seconds, before automatically reverting back to target relative humidity level.

6. Ventilation Mode

a. If you would like to enter ventilation mode: press and hold On/Off Button + Airflow button for 3 seconds.

b. While in ventilation mode, the Set RH window will display Vt.

c. Repeat this operation to exit ventilation mode.

d. During ventilation mode, only the fan of the dehumidifier will operate. YOU WILL NOT BE DEHUMIDIFYING.
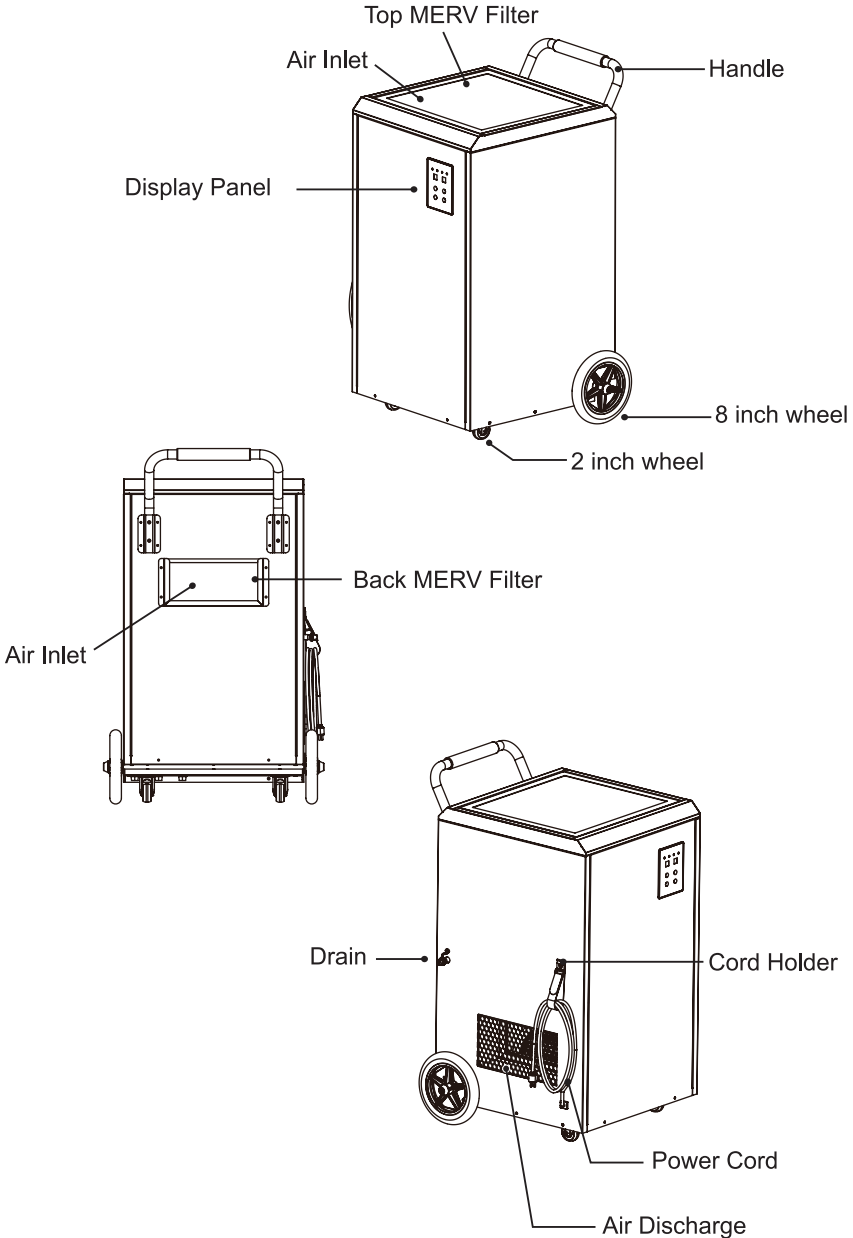
DEHUMIDIFIER FEATURES

1. Auto Restart

a. If the dehumidifier loses power while running, it will automatically resume running when the power comes back on.

b. The mode and set point will be the same as prior to the outage.

c. Keep in mind that there is a 3 minute compressor delay, so it will take 3 minutes for the unit to start operating.

2. Defrost Function

a. The dehumidifier features auto defrost. This means that when the ambient temperature is too low and frost accumulates on the surface, auto defrost will begin.

b. During the defrost process, power indicator light on the display panel will flash rapidly

c. Once defrosting is complete, the dehumidifier will automatically resume it's previous setting.

UNIT DIAGRAM

Top MERV Filter

Air Inlet

Handle

Display Panel

8 inch wheel

2 inch wheel

Back MERV Filter

Air Inlet

Drain

Cord Holder

Power Cord

Air Discharge

MAINTENANCE

WARNING: *Always unplug the dehumidifier before performing any maintenance.*

Cleaning the Dehumidifier Body
Use a soft damp cloth to clean the exterior of the unit. Do not use any soap or solvents.

Coil Maintenance
At least once per year, spray the coils with an approved coil clean. The coil cleaner should be a self-rinsing, foaming cleaner, such as WEB® Coil Cleaner.

Filter Maintenance
Both filters are washable (top filter and back filter). Vacuum or wash with warm water (no soap). Replace as needed.

Storage
If you're going to be storing the dehumidifier for an extended period of time, be sure to dry it out completely.

1. Use ventilation mode (see Using the Dehumidifier Display section for more details) for at least 2 hours to dry out the coils.
2. Loop the power cord and properly store the drainage hose.
3. Place in a clean, dry location.
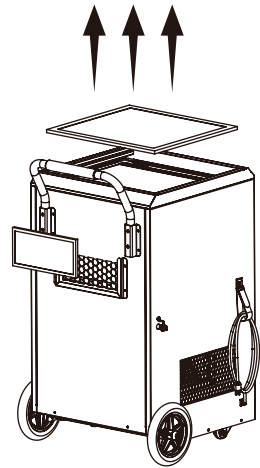
SPARE PARTS

All Models	
W-100	Wired Remote Control Assembly
X-101	Remote Monitor System
X-102	External Pump
Sentinel SLGR 1400X	
S-110	Top MERV Filter
S-111	Back MERV Filter

TROUBLESHOOTING

Symptom	Cause	Solution
Display is Blank	Poor Connection	Make sure power cord is plugged in
	Power Outage	Reset power
No Airflow	Filter is Dirty	Clean the filter(s)
	Air Inlet or Outlet is Blocked	Clear the blockage
E1 Error Code	Humidity Sensor or Communication Error	Check that the sensor wire is connected at both ends. If no issue, the sensor may be faulty
LO Error Code	Room Temperature is below 33 °F	Increase room temperature so it's within operating range. If issue persists, check the sensor
HI Error Code	Room Temperature is above 102 °F	Decrease the room temperature so it's within operating range. If issue persists, check the sensor
Tripped GFCI Outlet or Breaker	Not a Dedicated Circuit	Identify all sources connected to outlet and confirm source of trip. If it is dehumidifier, contact technical support. If not, move dehumidifier to dedicated circuit for future use.
	Defective GFCI	Replace outlet
	Dirt, Dust, or Moisture on Outlet	Clean or replace outlet
	Lightning or External Electrical Surge	Reset or replace breaker/GFCI, as needed
Note: Dehumidifier will not function until error code is cleared		

LIMITED WARRANTY

This limited warranty starts from the date of purchase. AlorAir Solutions Inc. Warrants to the original purchaser that this AlorAir product is free from manufacturing defects in material or workmanship for the limited warranty period of:

Six (6) Month parts and labor. This includes the shipments charges for replacement parts or unit.

One (1) year parts and labor. This does not include the shipment charge to send the defective product back to be repaired or replaced.

Three (3) years parts and labor on Refrigeration System ONLY (Compressor, Condenser, and evaporator). Transportation cost, not included.

Five (5) years parts on Refrigeration System ONLY(Compressor, Condenser, and evaporator). Transportation cost, not included.

This limited warranty is valid only on products purchased from the manufacturer or AlorAir authorized dealer and operated, installed, and maintained according to the instructions included in this user guide or furnished with the product. AlorAir Solutions Inc will not provide in-home service during or after the warranty period. You may be responsible for the shipping charge to bring the product to the manufacturer for service.

To receive warranty service, the purchaser must contact AlorAir at 888-990-7469 or _sales@alorair.com_. A proof of purchase or order number is required to receive warranty service. During the applicable warranty period, a product will be repaired or replaced at the sole option of AlorAir.

IMPORTANT NOTICE: Keep the item's packaging in case warranty service is required.
In the event that the product is sent for repair without explicit guidance from our customer service team, AlorAir shall not assume responsibility for any associated repair costs.

LIMITED WARRANTY EXCLUSIONS

This limited warranty covers manufacturing defects in materials or workmanship encountered in normal household, commercial or noncommercial use of this product and shall not cover the following:

- Damage occurs in uses for which this product was not intended for.
- Damage caused by unauthorized modification or alteration of the product.
- Cosmetic damage including scratches, dents, chips, and other damage to the product's finishes.
- Damage caused by abuse, misuse, pest infestation, accident, fire, floods, or other acts of nature.
- Damage caused by incorrect electrical line current, voltage, fluctuations, and surges.
- Damage caused by failure to perform proper maintenance of the product.

The use of this product in SPA or a room with OUTDOOR POOL invalidate or voids limited warranty.

ALORAIR
Restoration&Moisture&Ventilation

WARRANTY REGISTRATION CARD

Return To:
AlorAir Solutions

ORDER NUMBER: _____

MODEL: _____ **SERIAL #:** _____

INSTALLER: _____ **INSTALLATION DATE:** _____

NAME: _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

PHONE #: _____ **EMAIL:** _____

▲ If you have any questions, please feel free to contact us at 888-990-7469 or visit www.alorair.com

▲ Register your unit for warranty using this link: www.alorair.com/page/Warranty--Warranty-registration

▲ Warranty Registration https://www.alorair.com or scan this barcode to direct you to the warranty registration website.