PRIOR TO FIRST USE

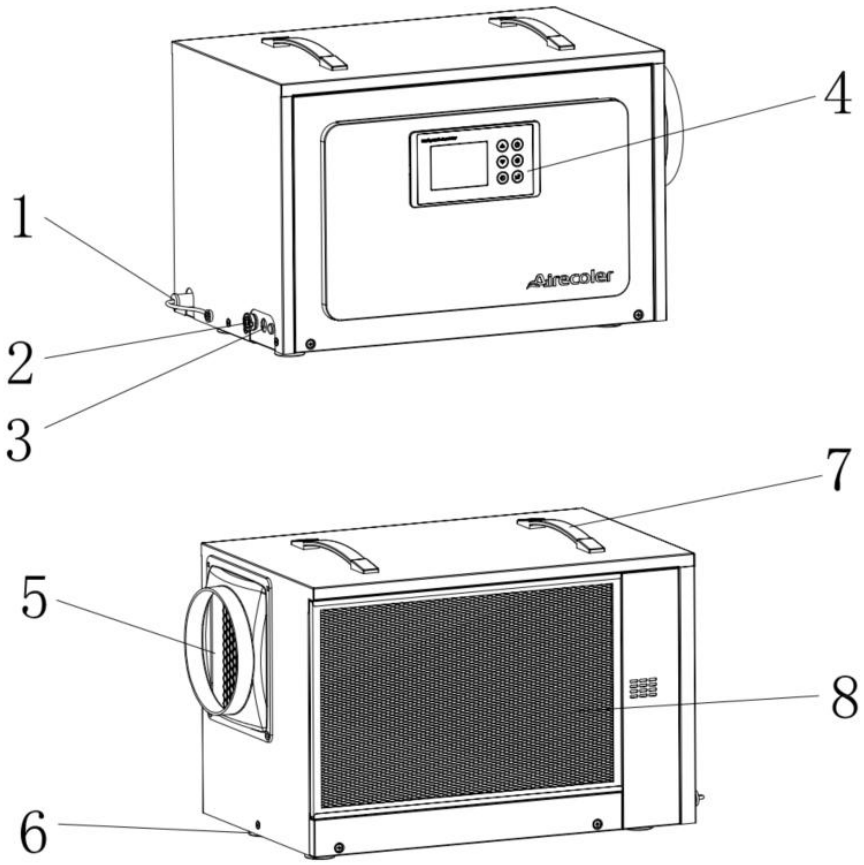
Please let the dehumidifier stand outside its packaging for **24 HOURS** before plugging it in.

During transit, the dehumidifier may have been tilted or inverted. Allowing the dehumidifier to stand for 24 hours ensures that the compressor oil settles properly after transportation. Neglecting this step could potentially affect the dehumidifier's performance and lifespan.

SAFETY PRECAUTIONS

- Place the dehumidifier on a flat surface to minimize vibration and noise.
- Before use, check the power cord for any damage. Do not operate the dehumidifier if the power cord or plug is damaged.
- Insert the three-prong plug into a matching electrically grounded outlet (120V/60Hz, at least 10A). Do not cut off the third prong or modify the power cord length.
- Avoid operating the dehumidifier in standing water and ensure the motor and wiring stay dry.
- Never immerse the dehumidifier in water or other liquids.
- Keep the dehumidifier away from heat-generating devices, flammable materials, or hazardous substances.
- Turn off and unplug the power supply before cleaning or storing the dehumidifier.
- Always grasp the plug (not the cord) to unplug.
- Do not insert fingers or other objects into the air inlet or outlet.
- Avoid sitting, standing, or placing heavy objects on the dehumidifiers.
- Disconnect the power if you notice strange sounds, odors, or smoke coming from the dehumidifier.
- Do not operate or turn off the dehumidifier by plugging in or unplugging it. Use the control panel instead.
- This dehumidifier should only be used by adults who have read the manual and understand its operation.
- This dehumidifier is not intended for use by individuals (including children) with reduced physical, sensory or mental capabilities, unless supervised or instructed by someone responsible for their safety.
- Children should be supervised to ensure that they do not play with the dehumidifier.
- Do not tilt the dehumidifier while it is operating to prevent water overflow.

PARTS IDENTIFICATION

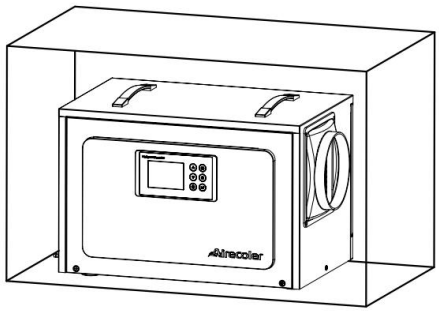


1. Gravity Drain Outlet
2. Remote Control Port
3. Power Cord Port
4. Control Panel
5. Air Outlet
6. Foot
7. Handle
8. Filter

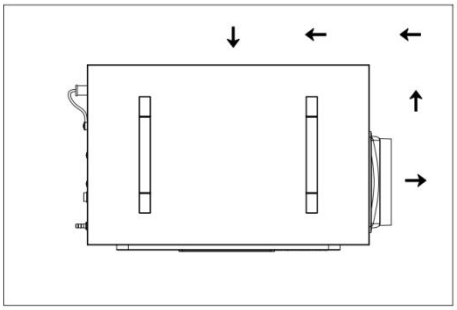
NOTE: DO NOT OBSTRUCT THE AIR INLET OR OUTLET.

INSTALLATION INSTRUCTIONS

1. Incorrect Installations



① **Small Room Installation:** The dehumidifier is installed in a room smaller than 1,500 cubic feet.

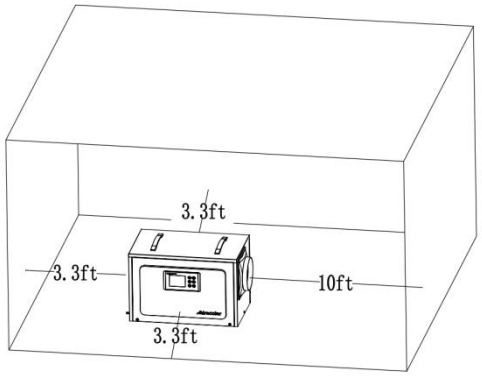


② **Obstructed Airflow:** Both the air outlet and air inlet are close to walls or other obstacles.

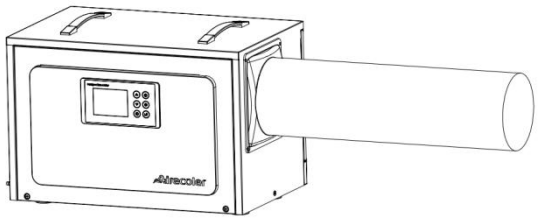
In either of the above 2 situations, the dry, hot air discharged by the dehumidifier would be quickly drawn back into the unit. This can interfere with the humidity sensor, leading to inaccurate or fluctuating humidity readings. As a result, the dehumidifier may cycle on and off frequently or may not operate properly.

Note: If the dehumidifier needs to be installed in a small space, set the target humidity level to 10. This will help the dehumidifier run continuously to ensure its effectiveness, regardless of the inlet humidity reading.

2. Recommended Installations



① **Adequate Clearance:** Keep the air outlet at least 10 feet from obstacles and the air inlet at least 3.3 feet from obstacles.



② **Duct Installation:** Attach a duct to the air outlet to direct the discharged air away from the inlet.

Following either of the above recommendations will help prevent the discharged air from being drawn back into the unit, ensuring the dehumidifier operates effectively.

3. Position Your Dehumidifier

• Position the dehumidifier horizontally during installation to minimize vibrations and noise.

• For optimal performance, operate the dehumidifier in an enclosed area with all doors and windows closed to maximize water removal efficiency.

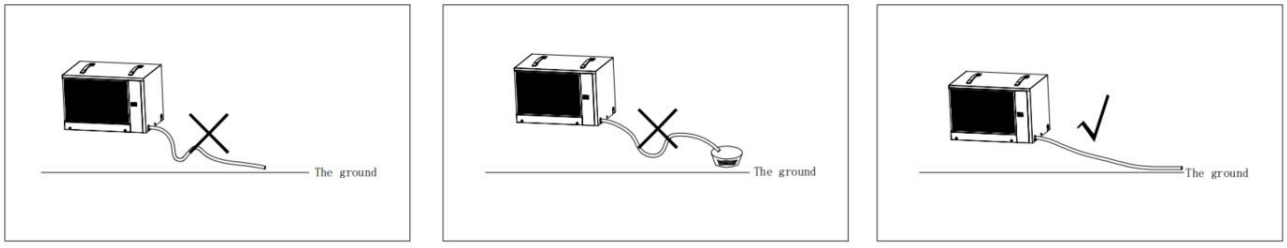
• Keep the dehumidifier away from obstructions and ensure ample space for airflow into and out of the unit.

4. Attach the Drain Hose

• Attach the drain hose to the Gravity Drain Outlet.

• Direct the hose to a suitable drainage facility, ensuring it is positioned lower than the dehumidifier's drain outlet and free from kinks or blockages.

Illustration:



OPERATION INSTRUCTIONS

1. Plug in the Electrical Cord

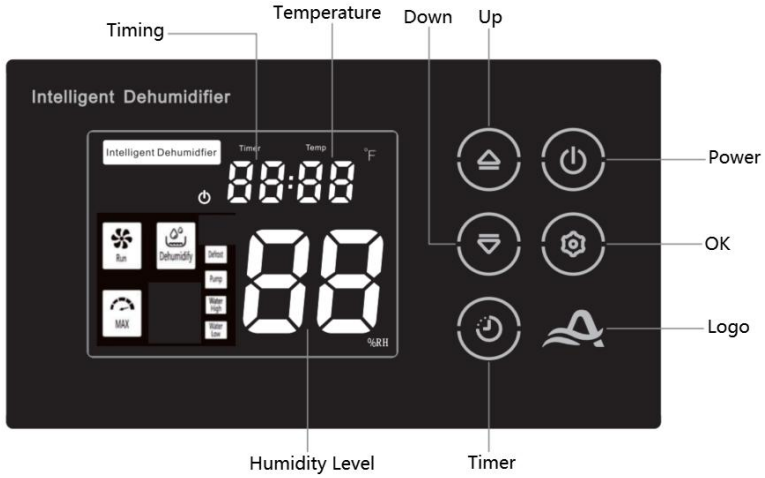
IMPORTANT

Please allow the dehumidifier to sit outside the box for **24** hours before initial use.

The dehumidifier needs to be plugged into a properly grounded 120-volt outlet rated for at least 10 amps. Uncoil the power cord and firmly plug it into a suitable outlet.

NOTE: When the dehumidifier is plugged in, the ⏻ icon on the control panel display will illuminate.

2. Control Panel Instructions



2.1 The Control Buttons

- **Power Button:** Press to toggle the dehumidifier on/off.
- **OK Button:** Press to confirm settings for humidity and/or timer.
- **Up Button:** Press to increase humidity or timer settings.
- **Down Button:** Press to decrease humidity or timer settings.
- **Timer Button:** Press to set a timer.

2.2 The LCD Displays

Lights up when the dehumidifier is plugged in but not yet turned on.

Intelligent Dehumidifier Lights up when the dehumidifier is turned on; off when it's turned off.

88 %RH The steady %RH display represents the current room humidity percentage. When adjusting the target humidity percentage value by pressing the Up or Down button, this number flashes the previous setting and updates according to your adjustments until the new setting is confirmed.

Run Icon: Lights up when the fan is running; off when the fan stops.

Dehumidify Icon: Flickers when the compressor has not activated, typically during: ① 3-minute compressor delay status; or ② Delay-start programmed (AUTO ON TIMER).

MAX Icon: Lights up in Continuous Mode with a set humidity value of 10%.

Defrost **Defrost Icon:** Flashes during the defrosting process. During defrosting, the fan operates, but the compressor does not. Once defrosting is complete, the icon disappears and dehumidification resumes.

NOTE: Frequent defrosting signals low room temperature. For optimal performance, especially below 60°F, consider heating the room to enhance drying efficiency.

3. Operate the Dehumidifier

3.1 Turn on the Dehumidifier

Press the **Power** button to turn the dehumidifier on. When turned on, the ⏻ icon will turn off, and the Intelligent Dehumidfier icon will illuminate.

3.2 Check Room Humidity

Refer to the 88 %RH on the control panel to check the current room humidity percentage.

3.3 Set Desired Humidity

Press the **Up** or **Down** button to set your desired humidity between 10% and 90%, in 1% increments. Recommended settings typically range between 40% and 60%. The 88 %RH digital number will turn to display the previous target humidity set point and blink to indicate the setting is being adjusted.

Ensure the set humidity is at least 5% lower than the room humidity. After selecting your target value, press the OK Button to confirm your setting or wait for automatic registration after 5 seconds.

NOTE:

＊This humidistat-equipped dehumidifier maintains room humidity within ±3% of the set point. For example, if set to 50%:

· If detected humidity drops to 47%, the dehumidifier enters standby mode, indicated by a flashing humidity readout.

· When detected humidity rises to 53%, the dehumidifier restarts automatically.

＊If set humidity equals or exceeds room humidity, the dehumidifier won't start.

＊Setting target humidity to 10% activates Continuous Dehumidification Mode, running the dehumidifier continuously.

3.4 Set Auto On/Off Timer

The TIMER function allows scheduling the dehumidifier to turn on (AUTO-ON) or off (AUTO-OFF) after a delay of 1 to 24 hours.

- **To set AUTO-ON timer:** When the dehumidifier is off, selecting Timer activates it after the set hours.
- **To set AUTO-OFF timer:** When the dehumidifier is on, selecting Timer turns it off after the set hours.

Follow these steps to set the TIMER：

- Press the Timer Button, the Timer icon illuminates and the timer digital number changes into 00 H, flashing.
- Adjust the timer setting by pressing the Up or Down button for 1-hour increments, up to 24 hours.

• After selecting the target timer value, press the OK Button to confirm your setting or wait for automatic confirmation after 5 seconds.
• The timer countdown displays remaining time until the dehumidifier starts or stops.
• To disable the timer function, manually turn ON/OFF the dehumidifier, or set the timer to 00.

NOTE:
· Ensure power is supplied to the dehumidifier before setting AUTO ON TIMER.
· For AUTO ON setting, turn on the dehumidifier to select a desired humidity level first; otherwise, it maintains the previous setting.
· You can only set AUTO ON timer when the dehumidifier is off or set AUTO OFF timer when it's on, but not be able to set both AUTO ON and AUTO OFF timer simultaneously.
· TIMER functions only once, not cycling the dehumidifier indefinitely.
· TIMER is disabled if the dehumidifier is manually powered on/off.

3.5 Turn the Dehumidifier off

Press the **Power** button to turn off the dehumidifier. When the dehumidifier is turned off, the ⏻ icon illuminates, and the Intelligent Dehumidfier icon turns off.

NOTE: To protect the compressor, the fan runs for 5 seconds after the dehumidifier shuts off. So please do not disconnect the power cord to force the dehumidifier to stop. Always use the **Power** button.

4. Water Drainage

Ensure the drain hose is attached before starting the dehumidifier. The dehumidifier will automatically drain condensation water through the hose. However, the drain hose needs to slope downward to a lower drainage facility. If the hose does not slope downward, the water may not drain properly, potentially causing leakage.

NOTE: If the drain hose is directed to a bucket, regularly check and empty the bucket to prevent overflowing.

SMART FUNCTIONS

1. Compressor 3-Minute Delay

To prevent any potential damage, the dehumidifier incorporates a 3-minute delay after a complete cycle. Following this interval, the compressor automatically starts operation. In essence, if you power off and restart the dehumidifier immediately, the compressor initiates after a 3-minute delay. During this period, you can see the Dehumidify icon flashing on the LCD screen until the compressor starts.

2. Auto Defrost

When frost accumulates on the coils, the compressor cycles off, and the fan operates until the frost dissipates. The DEFROST icon lights up on the LCD screen during defrosting.

3. Auto-Restart

After an unexpected shutdown due to a power outage, the dehumidifier automatically resumes with previous function settings once power is restored.

4. Temperature Protection Function

- If the room temperature exceeds 100°F, the dehumidifier will automatically enter into HIGH-TEMPERATURE PROTECTION SYSTEM, displaying "-H" on the LCD screen, and the compressor stops.
- If the room temperature falls below 40°F, the dehumidifier will automatically enter into LOW-TEMPERATURE PROTECTION SYSTEM, displaying "-L" on the LCD screen, and the compressor stops.

NOTE: Contact Airecoler customer service at **service@airecoler.com** for technical support if encountering “-H” or “-L” messages in normal circumstances.

CARE & MAINTENANCE

WARNING:
Ensure the dehumidifier is turned OFF and unplugged before performing any cleaning or maintenance.

1. Cleaning the Dehumidifier

- Wipe the dehumidifier housing with a soft damp cloth.
- Avoid submerging or applying water directly to the dehumidifier or control panel to prevent damage to electronic components.
- Do not use chemical solvents such as benzene, alcohol, gasoline or other heavy-duty cleaners, as they may harm the surface.

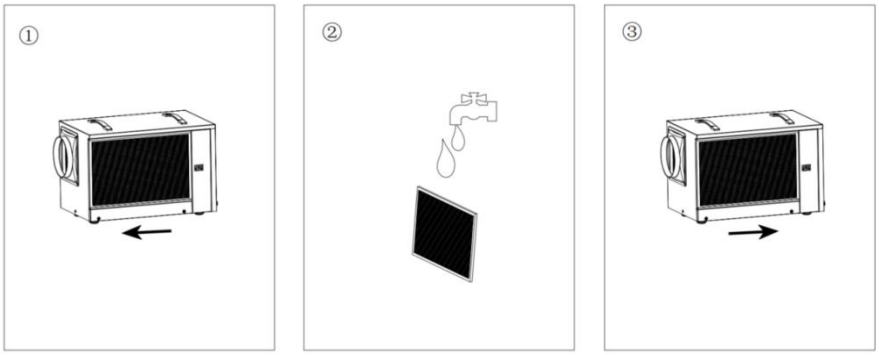
2. Cleaning the Air Filter

A blocked filter can impede performance. Clean the air filter every 2 weeks or more frequently in dusty or pet-fur-laden environments. The air filter is located behind the inlet grill.

Follow the steps below to take the filter out:

- Pull to the left to take the filter out.
- Use a vacuum cleaner with a soft brush attachment to remove large debris or dust.
- Wash the filter in lukewarm, soapy water (below 104°F or 40°C) or use a neutral cleaning agent.
- Rinse the filter with clean water and thoroughly dry it.
- Re-install the filter.

NOTE: DO NOT operate the dehumidifier without a filter, as dirt and lint may clog it, reducing performance.



3. Storage Guidelines

- Allow 1 day after turning off the dehumidifier for complete drainage.
- Clean the dehumidifier and air filter thoroughly, ensuring everything is clean and dry.
- Wrap the cord and hose, bundling them for safekeeping.
- Cover the dehumidifier with a plastic bag to protect it from dust and debris.
- Store the dehumidifier upright in a dry, well-ventilated place.