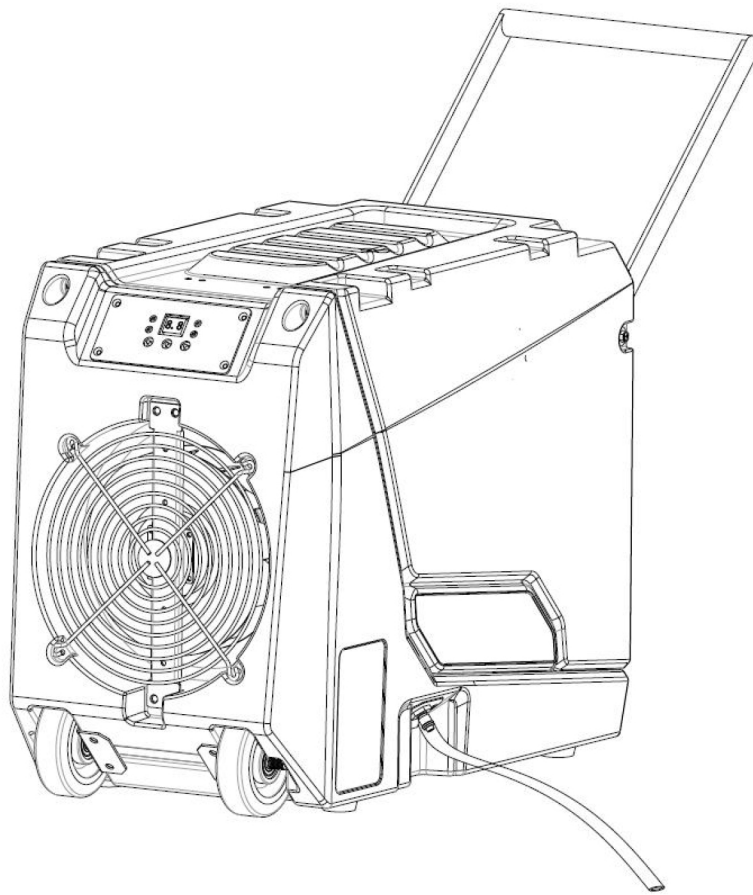


LUKO Dehumidifier

User Manual



Model No.: OL-R180P

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SAFETY INFORMATION

- Install the dehumidifier on flat surface to minimize vibration and or noise.
- Inspect the power cord before use. Never operate the dehumidifier when the power cord or plug is damaged.
- Insert the three-prong plug on the power cord into a matching electrically grounded outlet (115V/ 60 Hz, 15 A at least). Do not use an adapter. Never cut off the third prong. Do not use an extension cord.
- Do not operate the dehumidifier in standing water. Keep motor and wiring dry.
- Never immerse the dehumidifier into water or other liquids.
- Do not put the dehumidifier close to heat-generating devices, including flammable or dangerous materials.
- Unplug the power supply before cleaning or storing the dehumidifier. Always grasp the plug (not the cord) to unplug.
- Do not put fingers or other items into air inlet or air outlet.
- Never insert any other objects into the dehumidifier body.
- Do not sit, stand or put heavy objects on the dehumidifier.
- This dehumidifier should only be used by adults who have read the manual and understand the operating procedure of the dehumidifier.
- The dehumidifier is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction by an adult.



Never repair or remove plug and or power cord. Any repairs should be completed by qualified electrician or distributor.

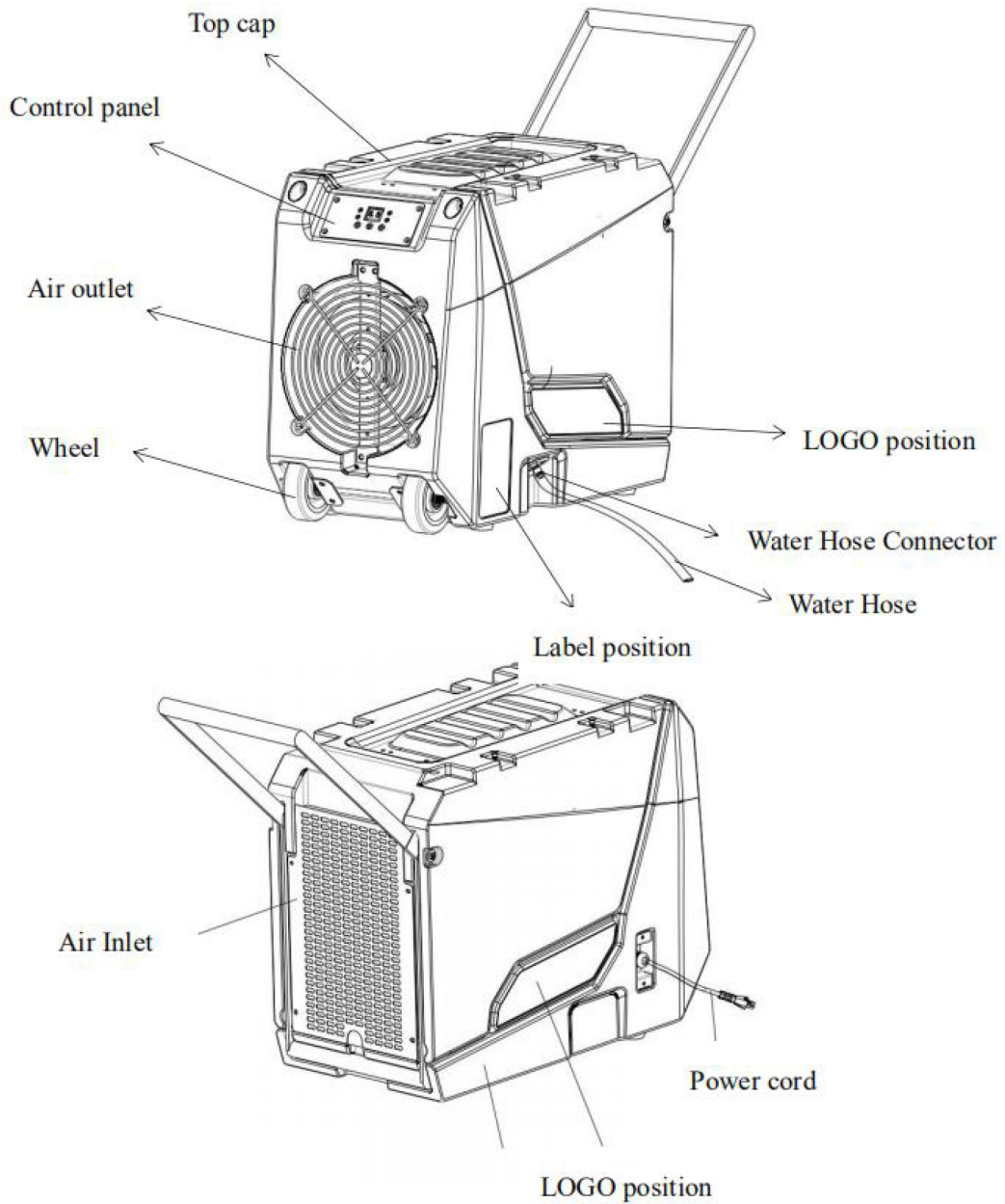
PRODUCT SPECIFICATIONS

LUKO Dehumidifier		
Model No.		OL-R180P
Power Source		AC 110-120V, 60 Hz
(80°F, RH 60%)	Input Power	740 W
	Input Current	6.9 A
	Moisture Removal	90 Pints/Day
(86°F, RH 80%)	Input Power	900 W
	Input Current	8.4 A
	Moisture Removal	145 Pints/Day
(90°F, RH 90%)	Input Power	1010W
	Input Current	9.2A
	Moisture Removal	180 Pints/Day
BCSC		15 A
Motor Compressor		RLA:7.3A; LRA:36.4A
Refrigerant		R410a (19.8 oz.)
High Pressure		522 PSIG (3.6 MPa)
Low Pressure		240 PSIG (1.65 MPa)
Fan Motor Power		0.107 HP
MADE IN CHINA		
 Intertek 5006106 CONFORMS TO UL STD. 60335-1&60335-2-40 CERTIFIED TO CSA STD. C22.2 NO.60335-1&60335-2-40		

FEATURES

- * Compact size with high efficiency, designed for crawlspaces
- * High Dehumidifying Capacity for commercial & industrial use
- * Straightforward Control Panel for easy operation
- * Built-in Pump for convenient drainage
- * Rotational Molded Housing for tough job
- * Compact Size and Fold-able Handle for space-saving transportation and storage
- * Hot Gas Valve System for fast defrost and low temperature operation
- * Washable Air Filter with Aluminum Frame
- * Easy to Assemble /Disassemble Housing for quick access to internal parts for maintenance

PARTS IDENTIFICATION



NOTE:

- Do NOT obstruct the air inlet and/or outlet while the dehumidifier is running.
- Apart from the 17 ft long drain hose for pump drainage, the package also includes a 3.3 ft larger hose which is used for emergency drainage in the event of pump failure.

OPERATION INSTRUCTIONS

1. Position Your Dehumidifier

IMPORTANT

Transporting or storing the dehumidifier in a vertical position is not recommended. When the dehumidifier is placed in a vertical position, the oil from the compressor can flow into the refrigerant coils and reduce the ability of the dehumidifier to function and possibly damage the dehumidifier. If the dehumidifier has been placed in a vertical position, set it horizontally and let it sit for at least **24** hours before plugging it in.

For best results, operate your dehumidifiers in an enclosed area. Close all doors and windows that open for efficiency. Place your dehumidifier away from obstructions, and keep it away from anything that could block airflow into and out of the dehumidifier.

2. Set Up the Drainage

This dehumidifier has an internal pump that will automatically drain the condensate out via the 17 ft long drain hose. The hose is equipped with a quick-connect fitting for easy attachment to the drain outlet. Before turning on the dehumidifier, make sure the hose has been connected to the drain outlet.

- 1) Uncoil the entire hose;
- 2) Attach the end of the hose with the connect fitting to the drain outlet directly, until you hear a “click” sound;
- 3) Place the unattached end in a sink, drain, bucket or outdoors – anywhere that water can drain out safely. (Ensure there are no kinks or other obstructions that will stop the water to flow.)

NOTE:

- Ensure that water which runs to outdoors does NOT create a slip hazard.

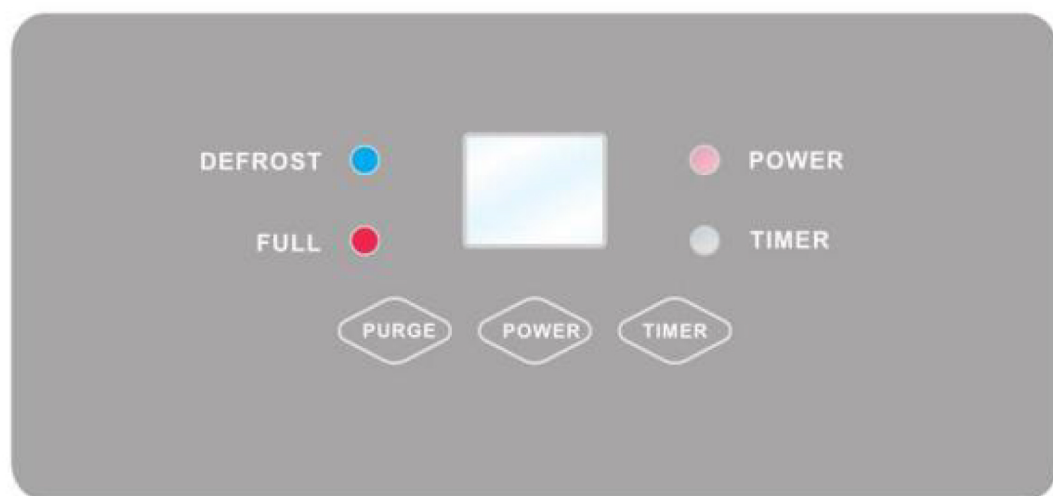
- If you use a bucket or other container for water collection, check it regularly to prevent overflows.
- The drain hose for the water pump can drain up to 15ft vertically. More than 15ft may cause water back up to the pump resulting in leakage.
- When turning off the dehumidifier, please take the hose out from the water collection container to avoid the water back-flow causes water leakage.
- To remove the drain hose from the outlet, press and hold the buckle on the connect fitting and pull the hose out.
- The dehumidifier won't drain without connecting the drain hose.

3. Plug in Electrical Cord

The dehumidifier needs to be plugged into a GFCI-protected 115 volt outlet rated for at least 15 amps. Uncoil the power cord and plug it firmly into a suitable outlet.

After plugged in, the dehumidifier will automatically enter into standby mode and the POWER indicator will light up.

4. Understand the Control Panel



POWER Button: Press to turn the dehumidifier ON or OFF.

- To Turn the Dehumidifier ON: In standby mode, press the POWER button

to turn the dehumidifier on. The readout on the display screen will light up and the dehumidifier will run in continuous dehumidify mode.

- To Turn the Dehumidifier OFF: Press the POWER button again to turn the dehumidifier off. The compressor will turn off right after you pressed the POWER button, but the fan will not stop until 1-2 minutes later.

PURGE Button: Press and hold the PURGE button for 3-5 seconds to manually empty water from the pump reservoir. Use "PURGE" before moving the dehumidifier to avoid water spillage. The FULL indicator will light up after you pressed the PURGE button, which means the pump is working. 40 seconds later, the pump will stop working automatically and the FULL light will go off.

NOTE: During operation, the pump purges automatically via the drain hose when the reservoir is full.

TIMER Button: The TIMER function enables you to either delay AUTO-ON or delay AUTO-OFF the dehumidifier in the choice from 1 hour to 12 hours.

- **Setting an AUTO-ON timer:** When the dehumidifier is on standby, selecting Timer will turn the dehumidifier on in the hours that will be set.
- **Setting an AUTO-OFF timer:** When the dehumidifier is running, selecting Timer will turn the dehumidifier off in the hours that will be set.

To Set Timer:

- 1) Press and hold the TIMER button for 3-5 seconds;
- 2) Repeatedly press the TIMER button to change the delay timer at 1-hour increments, up to 12 hours. The control will count down the time remaining (8,7.5,7, etc.) until the dehumidifier either starts or stops.
- 3) To cancel the timer, set the timer at "00".

Note:

- Set AUTO ON timer when the dehumidifier is in standby mode or set AUTO OFF timer when the dehumidifier is running. It's not allowed to set both AUTO ON and AUTO OFF

timer at the same time.

- The Delay Start/Stop Feature will work until the dehumidifier either starts or stops.
- The TIMER will ONLY function one time instead of cycling the dehumidifier on or off indefinitely.

***To check the Actual Room Temperature:** Press and hold the TIMER button for 3-5 seconds, the display screen will display the room temperature for 5 seconds and then turn to display the actual room humidity reading.

*** To Toggle the Temperature Scale:** Press and hold both the PURGE button and the TIMER button for 5-8 seconds to toggle the temperature scale between Fahrenheit and Celsius. (Default temperature scale is Fahrenheit.)

POWER Indicator: The POWER indicator lights up when the dehumidifier has been plugged in.

TIMER Indicator: Timer Indicator lights up when the timer function is enabled.

FULL Indicator: The FULL indicator lights up

- ① when the pump is automatically draining the condensate from the reservoir when the reservoir is full,
- or ② when the user manually drains the pump by pressing the PURGE button.

DEFROST Indicator: The dehumidifier begins to defrost when the defrost indicator illuminates; the dehumidifier has stopped defrosting when the light is no longer illuminated. When defrosting is complete, the dehumidifier begins to dehumidify again automatically.

Display Screen: When the dehumidifier is running, it displays the actual room

humidity reading. When you set timer, it displays the timer setting value.

5. Smart Functions

Auto Drainage

Thanks to the built-in pump, the dehumidifier will drain the condensation water automatically.

Wait 3 Minutes before Resuming Operation

To avoid any damage to the dehumidifier, the dehumidifier will not start operation following a complete cycle until after 3 minutes. Operation will automatically start after 3 minutes.

Auto Defrost

When the frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears.

Auto-Restart

If the dehumidifier shuts off unexpectedly due to power being cut, the dehumidifier will restart with the previous function setting automatically when the power resumes.

MAINTENANCE



Ensure the dehumidifier is turned OFF and the plug is removed from the power socket before cleaning or maintenance is carried out.

1. Cleaning the Dehumidifier

Clean the dehumidifier house with a soft damp cloth. Do not submerge or place water on the dehumidifier or control panel. Water may damage the electronic components of the dehumidifier. Do not use chemical solvents such as benzene, alcohol, gasoline or other heavy-duty cleaners. The surface may become damaged or deformed.

2. Cleaning the Air Filter

The working performance of the dehumidifier will be greatly reduced if the filters become blocked.

To Clean the Filter

- 1) Push the filter up from the finger slot at the bottom of the air inlet grill and then pull out the air filter from the top side gently.
- 2) Vacuum any debris from the filter using the vacuum hose and nozzle attachment.
- 3) Immerse the filter into lukewarm water (about 104°F) with a mild detergent, and then wash it and allow it to dry.
- 4) Once dry, re-install the filter into the dehumidifier.

Dehumidifier Storage

- 1) Press and hold the PURGE button to empty the water before transportation or storage.
- 2) Transport and store the dehumidifier horizontally.
- 3) Fold the handle and stack this dehumidifier to save space.

TROUBLE SHOOTING GUIDE

Problem	Possible Cause	Solution
Dehumidifier does not operate	No power to dehumidifier	Connect plug to power socket
	Switch not turned on	Switch on
	E4 error is displayed	Check drainage flow
Dehumidifier collects little water	Insufficient working time	Allow more working time
	Filter is blocked	Clean filter
	Low ambient temperature	Heat up the room
	Condensate hose is blocked	Check hose for restrictions
dehumidifier operating, but room not dry	Doors and windows are open	Seal room from external areas

Error Code	Possible Cause	Unit Status	Solution
E1	Copper head sensor failure	The dehumidifier keeps running for 20 minutes at a 10-minute interval.	Replace the copper head sensor
E2	Air inlet temperature and humidity sensor failure		Replace the inlet temperature and humidity sensor
E4	The pump reservoir is full due to drainage failure	The dehumidifier stops running	Find the gravity drain outlet at the bottom of the unit and connect the emergency hose to drain. After emptying the reservoir, close the gravity drain hose and start the unit to check the pump function.
	Water pump failure		Replace the water pump

If the problem you are experiencing is not listed here, contact our Service Team at **support@oulungroup.com** for further assistance.