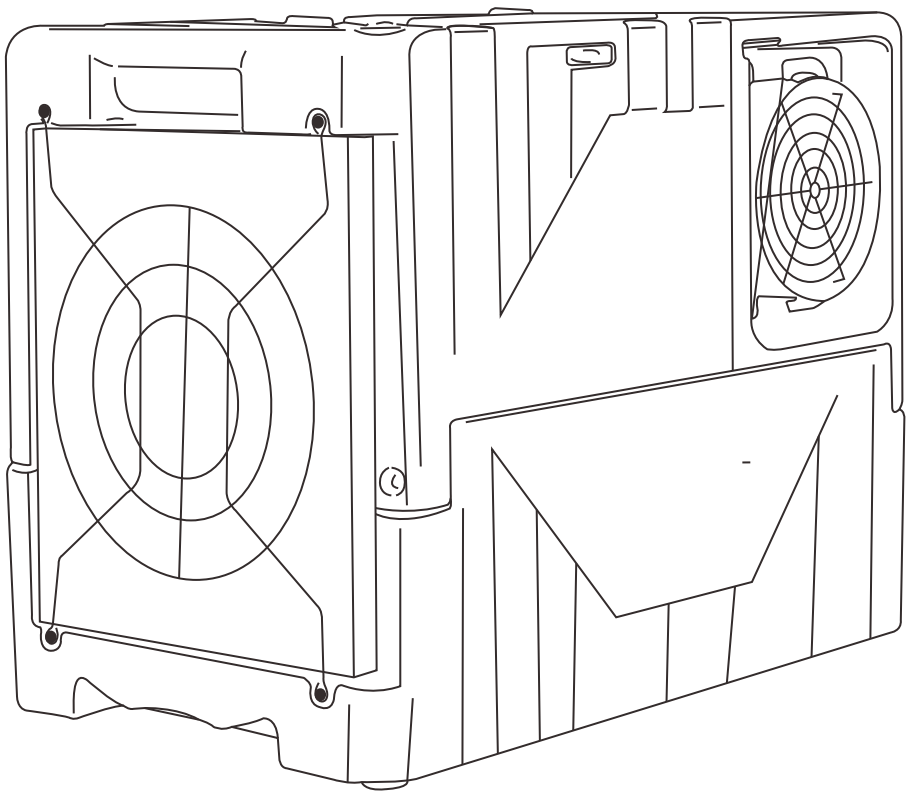
Dehumidifier

Model Number: AONE-45LGR



5031663

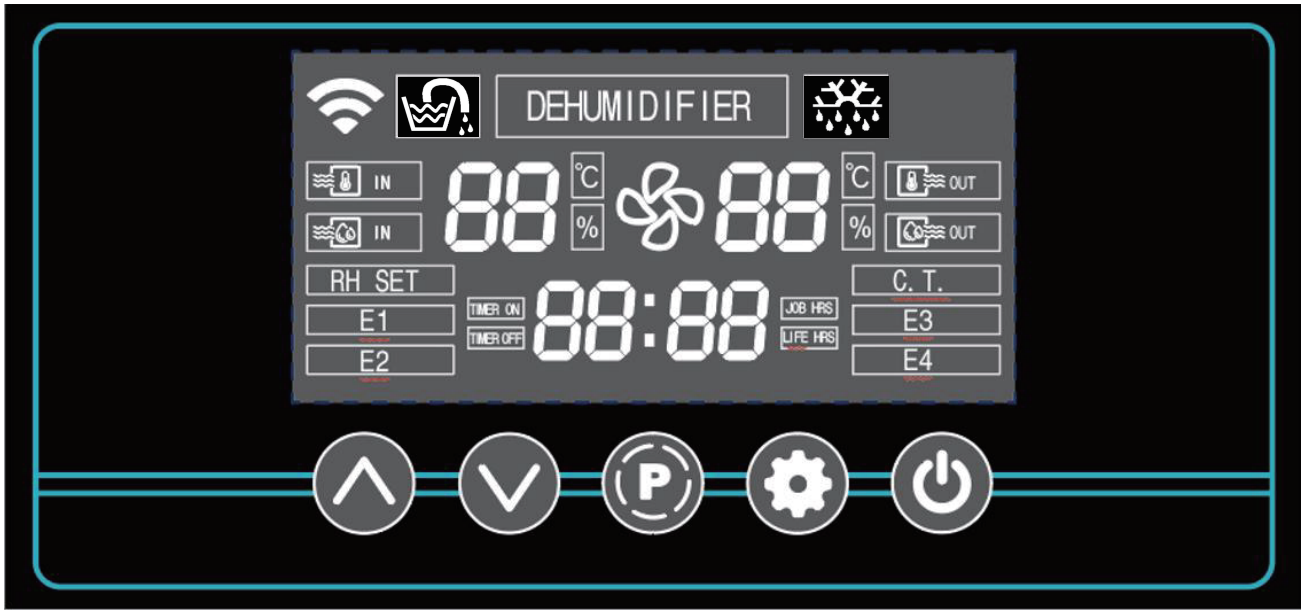
I. Basic Operations

1) This controller is suitable for single-phase dehumidifiers (115V/60Hz) and is designed for water pump-driven drainage systems.

2) Key features of this unit include: dual humidity sensors, single-coil temperature monitoring, single-speed airflow regulation, individual startup duration recording, cumulative operation time logging, timed power-on/off functionality, environmental humidity compensation, power-off memory retention, and drainage capability for pumps with head exceeding 4.5 meters.

3) Operating temperature: 5–37°C.

2、Control Panel Diagram



III. Buttons

1) [LED Module Screen]

The LED module display shows the machine's operating parameters and status:

When powered on in standby mode, the central "Dehumidifier" indicator light on the display will flash slowly; the water level full indicator, scheduled start indicator, scheduled stop indicator, and remaining time indicator will illuminate as appropriate, while all other lights remain off.

When the unit is powered on but not in use, the central "Dehumidifier" indicator light remains illuminated. Other function lights activate accordingly: E4 indicator, water level full indicator, timer switch, "Dehumidification" and operation icons, fan icon, environmental humidity (%), actual humidity value, outlet humidity (%), and additional condition-specific indicators.

2) [ ]Power button for turning the device on /off.3) [ ]Key mode buttons related to time settings and queries, used to adjust display content and configure parameters. 4) [ ]Manual drainage button. 5) [ ] or [ ] Number increment/decrement keys for adjusting values when setting parameters. 6) Indicator light meanings: [ ]

]Water level indicator ; [TIMER ON] and [TIMER OFF]For timed power -on/off; [JOB HRS] and [LIFE HRS]Current operating time and cumulative operation time;[IN] and [IN] Inlet air temperature/humidity;[OUT] and [OUT]Outlet air temperature/humidity; [ ]Defrost function; [RH SET]Set humidity; [C. T.] Evaporator temperature. [Beeper] Each button press triggers a sound response, regardless of duration (long/short press) or key combination.

IV. Functions and Controls

1) Power On/Off Control

When powered on, press the [ ] button to start the machine according to preset settings. During operation, pressing the power button will shut down the machine (the fan starts before the compressor when turning on, and stops after the compressor stops, with a 5-second delay).

2) Humidity Control

After turning on the device, do not press other keys. Press [∧] or [∨] to set the desired humidity. When the set humidity is <26%, it will display "CO".

Hold the button to set continuous jumping until released or reaching the limit value (26–98%).

Note: a. The system will not be affected by humidity control when set to continuous dehumidification mode (CO) or in case of [E2] fault.

b. For the first 5 minutes after startup, continuous operation is allowed without being subject to the set humidity control.

C. Each press of [∧] or [∨] increases or decreases the humidity setting by +1 or-1

3) Time-related functions: Press the [ ] key to access time settings and query functions

Short press: Press the [ ]key once to display the current startup duration (" JOB HRS ") in format "000X", "00XX", "0XXX", or "XXXX". The "H" light and the "Current Duration" light will illuminate for 30 seconds.

Press [ ] twice or press it again within 30 seconds to display the device's cumulative running time of " LIFE HRS " 30 seconds.

The cumulative timer resets automatically upon shutdown. In normal mode, press the [∧], [∨], and [ ] keys simultaneously for 5 seconds to enter the password interface ("pd: --"), enter the password "58" to clear the cumulative timer (use [∧] to adjust digit size, [∨] to shift the value, then press the shutdown key [ ]; after setup, "pd: 58" will display), and the cumulative runtime will reset to "0".

When either a single measurement or the cumulative hours exceed 9,999 (416 days), the timer resets automatically. When the cumulative time reaches its limit, the cumulative timer also resets; if the single measurement hasn't reached its limit, it continues.

Press [ ] three times consecutively (or press once again before the cumulative time query finishes)

to activate the scheduled startup function. The " TIMER ON " indicator light will flash slowly; you can then use the [∧] or [∨] buttons to adjust the timer duration, displayed in formats such as "000X", "00XX", "0XXX", or "XXXX" (in hours). After each press, the value will flash for 5 seconds; if no action is taken within 30 seconds, the setting is considered complete—you may exit the settings interface by releasing [⚙] or holding it down for 5 seconds.

Press [⚙] four times consecutively (or press once again before the scheduled power-off function completes) to activate the timed shutdown mode. The " TIMER OFF " indicator light will flash slowly; you can then use the [∧] or [∨] buttons to adjust the timer duration, displayed in formats such as "000X", "00XX", "0XXX", or "XXXX" (in hours). After each button press, the value will flash for 5 seconds; if no action is taken within 30 seconds, the setting ends and the interface closes—either by releasing [⚙] or holding it for 5 seconds.

After setting the scheduled power-on and power-off times simultaneously, the remaining time will be displayed in rotation for 30 seconds.

Setting identical scheduled start and stop times is considered contradictory; all such settings will be canceled, whether for scheduled startup or shutdown.

When set to start at a specific time, it displays the remaining hours as "00XX" with the "H" and " TIMER ON " lights illuminated.

When the device is shut down, two sets of digital tubes display the remaining hours as "000X", "00XX", "0XXX", or "XXXX", with the "H" and " TIMER OFF " lights illuminated.

1. During the water-filled period, the system will not initiate startup even when the scheduled time has arrived, until the water-level issue is resolved.

2、All timers use the current time as the start point. The timer function remains active in continuous mode. Set times cannot be reviewed.

4) Press [⚙] five times (or press once again before the scheduled shutdown completes) to enter the Coil Temperature Inquiry function. The "C.T." label, followed by "℃" and the digital display will illuminate on the screen.

5) [Power Outage Memory Function]:

After a system power outage and subsequent restart, the machine will operate as before (including power status, set humidity value, environmental humidity correction value, cumulative system runtime, and timer status) and resume operation from the previous state, subject to a 3-minute delay protection period.

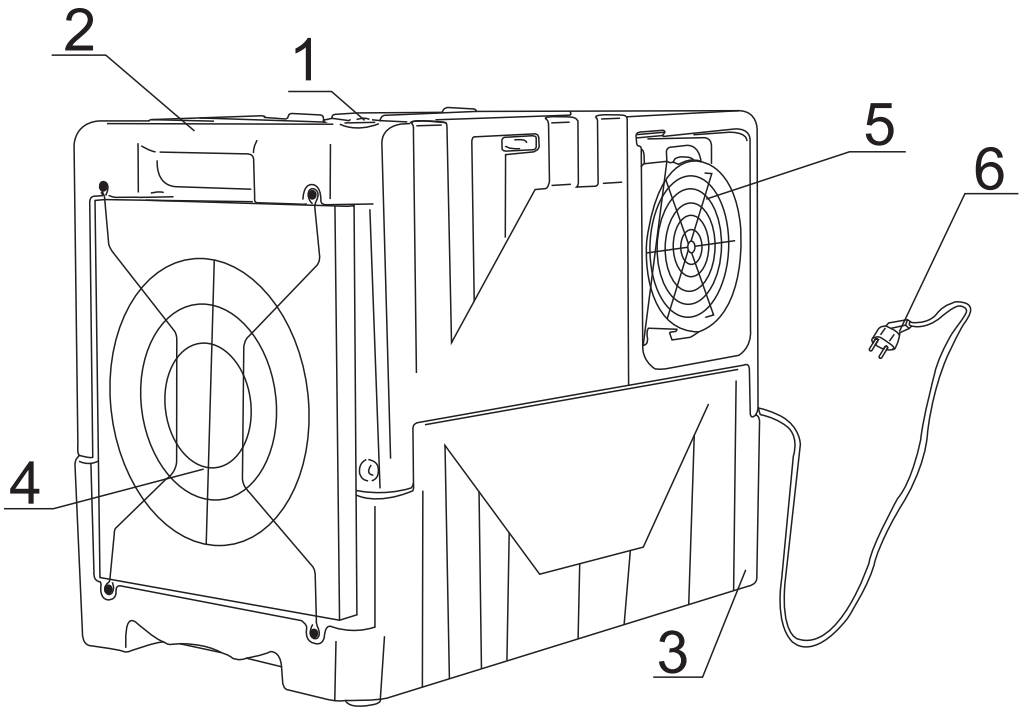
6）[Thaw Indicator]: When [❄] lights up, it indicates the machine is removing ice from the heat exchanger.

7）[Manual Drainage]: Press the[Ⓟ]key to drain water for 60 seconds;

V. Fault Codes and Display

1) [E1jThe system detects a fault in the coil temperature sensor and displays "E1" with a flashing indicator.
2) [E2]The system has detected a fault in the environmental humidity sensor; the "E2" message flashes, and the incoming air humidity is displayed as fixed at 50%
3)[E3] The system detects a fault in the air outlet humidity sensor, displaying "E3" with the humidity reading fixed at 50%.
4)[E4]Full-water fault: The water pumpfails to discharge water, displaying a persistent full-water indicator.An alarm buzer will sound five times immediately; the system will then determine the pump is damaged or the water line is blocked. The "E4" light in the lower right corner will flash briefly for 10 seconds, then turn on permanently whileall other lights extinguish, and the system will cease operation.
[E4]Failure exit procedure: Drain the water from the pump (identify and resolve the cause preventing complete drainage), then restore the machine to its normal operating state prior to E4 occurrence.
E4 is in shutdown mode; time does not count toward cumulative time.
When the ambient temperature is <1°C or > 41°C, the compressor remains off while the fan operates; thebuzzersoundsfivetimesconsecutively, and thedigital display flashesto showthe current intake temperature.If the intake temperature returns to the operational range, the system processes accordingly.Thisfunction is disabled ifthe humidity sensor is damaged and cannot accurately measure temperature values.

PRODUCT IDENTIFICATION



A-ONE45L

1 Control Panel
2 Handle
3 Wheels
4 Air Inlet Grille
5 Air Outlet Grille
6 Power Cord

⚠ WARNING

DO NOT OBSTRUCT THE AIR INLET OR OUTLET.

SETTING UP INSTRUCTIONS

⚠ IMPORTANT

Place dehumidifier in the upright position. When transporting a dehumidifier to site, allow the dehumidifier to stand for 30 minutes before switching ON. This is necessary to allow the refrigerant system to stabilise and avoid system damage .

SETTING UP THE DEHUMIDIFIER: Operate the dehumidifier in an enclosed area, as this creates a drying chamber. Close all doors, windows or areas that open to external areas, to maximize the dehumidifier's water removal efficiency. Keep traffic through the drying chamber to a minimum. Place the dehumidifier in the centre of the room away from walls and furnishings. DO NOT allow the airflows to be obstructed.

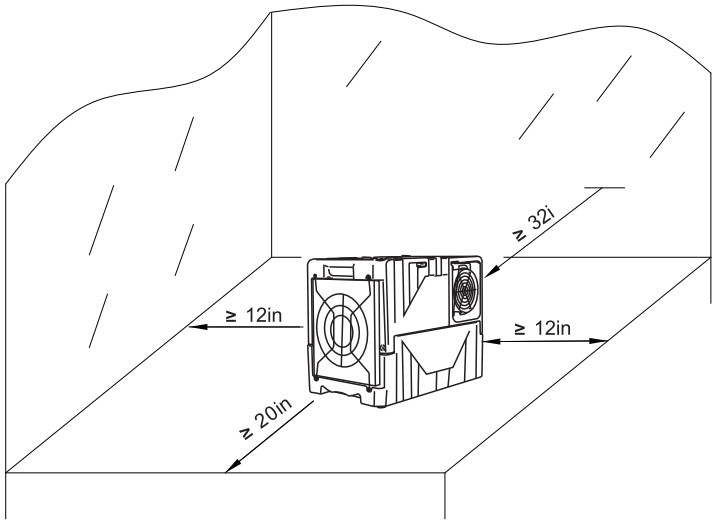


Illustration of correct positioning for best performance

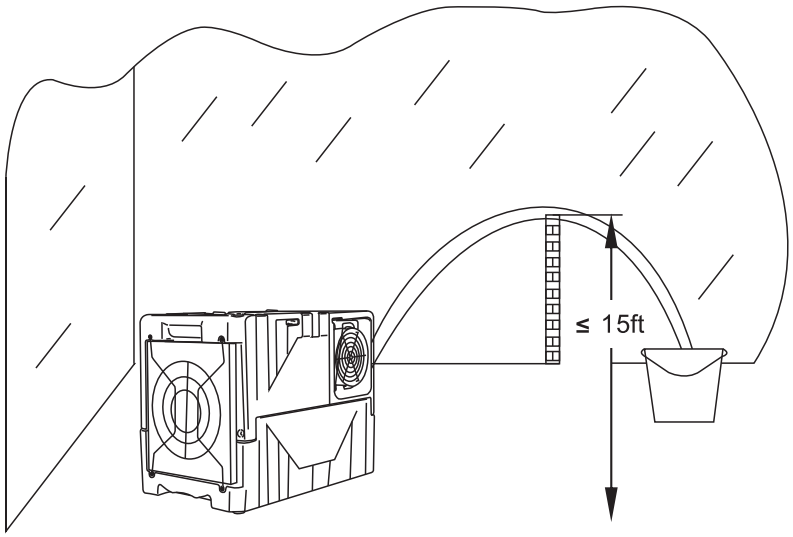
DRAINAGE: The dehumidifier pump connects to a plastic drainage hose. The hose is stored on the back of the appliance. Uncoil the entire hose ensuring there are no kinks or restrictions and place the unattached end into a water vessel or run to outdoors.

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

Water vessels MUST be checked regularly where used.

SETTING UP INSTRUCTIONS

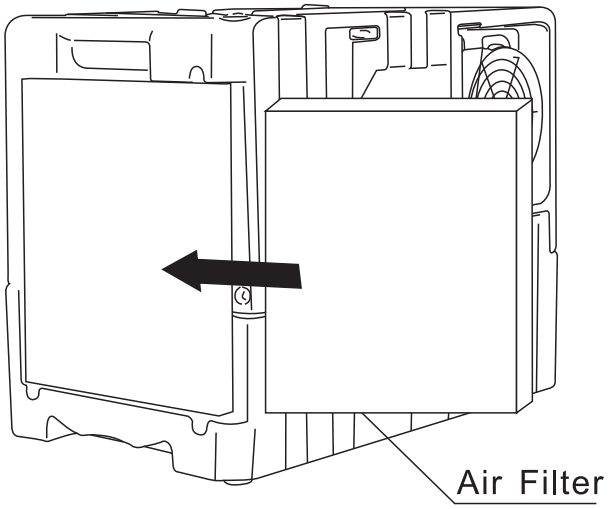
The drainage hose must be positioned to be less than 15 ft. above the unit. Failure to do so may cause water backup in the pump resulting in leakage.



Maintenance CLEANING THE AIR FILTER

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

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



1. Remove the air filter as shown above.
2. Vacuum any debris from the air filter.
3. Using luke-warm water and a mild detergent, wash the air filter and allow to dry.
4. Once dry, reinstall the air filter.

Dear Customer,
Thank you for choosing our product!
If you encounter any issues during installation or use, please feel free to contact us via email.
After-sales service email: **kettek2023@outlook.com**
Our customer service team promises to respond within 24 hours and will be happy to assist you.Your satisfaction is our top priority, and we are always here to help.