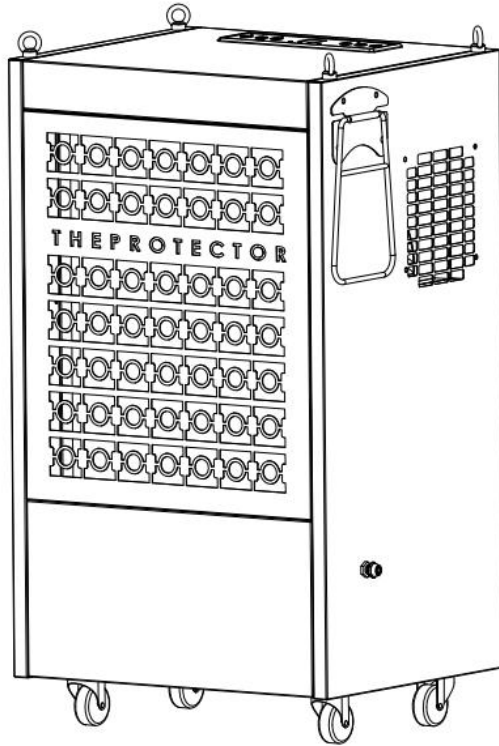


INSTRUCTION MANUAL



INNO-190pDhS

Please keep this manual carefully for further reference!

Thank you for choosing our high-quality dehumidifier. Please read this manual carefully before use. The dehumidifier removes excess moisture from the air, creating a comfortable environment. The compact design allows you to move it easily from room to room.

CONTENTS

CAUTIONS	1
SPECIFICATIONS	2
FEATURES	2
DRAWINGS	3
OPERATIONS	4
WATER DRAINAGE	6
CLEANING AND MAINTENANCE	7
TROUBLE SHOOTING GUIDE	9

CAUTIONS

Please read and obey the following cautions before use:

1. Unplug the power supply before cleaning or storing the machine.
2. Never immerse the machine into water or other liquids.
3. Do not put the machine close to heat-generating devices, flammable and dangerous materials.
4. Children should be supervised to ensure that they don't play with the unit.
5. Do not sit or stand on the machine. Don't put heavy objects on the machine.
6. Never operate the machine when the cable or other connector is damaged, otherwise, something abnormal may happen.
7. Do not operate the dehumidifier in narrow areas such as a closet because it may cause fire hazard.
8. Install the drainage pipe downward to make sure condensed water can be drained continuously.
9. If the supply cord is damaged, it must be replaced by the manufacture, its service agent or similarly qualified persons in order to avoid a hazard.
10. Install the machine on flat floor to diminish vibration or noise.
11. Never insert any other objects into the machine body to avoid any hazard or machine failure.

SPECIFICATIONS

Model#	INNO-190pDhS
Voltage & Frequency	AC 115V 60Hz
Rated capacity	120Pints/Day @ 80°F, 60% RH
	190Pints/Day @ 86°F, 80% RH
Power Consumption & Current	1165W/10.2A @ 80°F, 60% RH
	1350W/ 12 A @ 86°F, 80% RH
Noise	≤60dB(A)
Air Circulation	450m3/hr
Freon type & Capacity	R410A/ 27.5Oz(780g)
Net Weight	54kg
Gross Weight	57kg

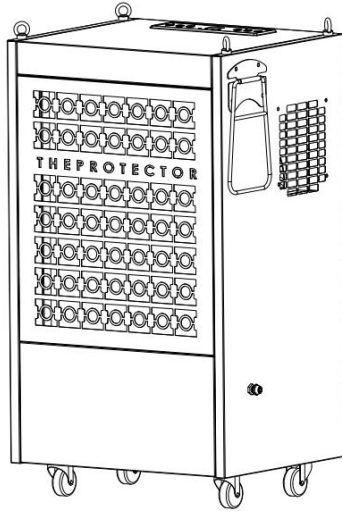
FEATURES

- *Adjustable Humidity
- *Built-in Auto Defrosting System
- *Energy-saving Design
- *Large Dehumidifying Capacity
- *Moveable and Easy to Store
- *Timing Operation

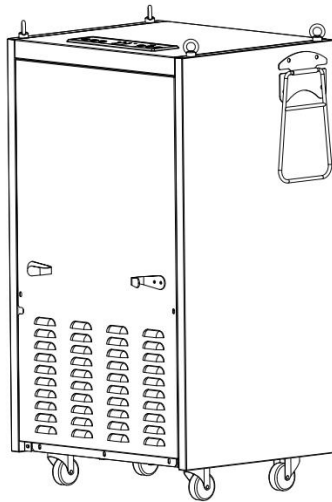


DRAWINGS

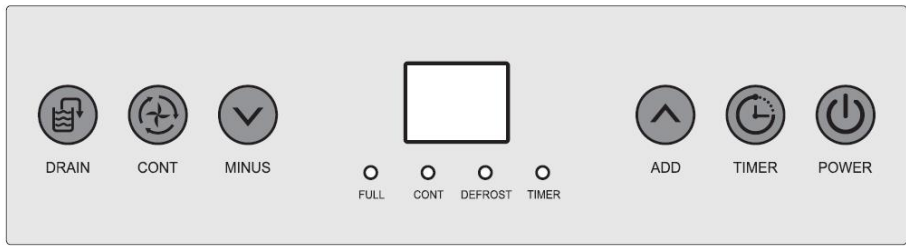
Front



Back



OPERATIONS



(1)

Press this button while on electric, screen light on, machine automatically goes to continuous mode, display screen shows environmental humidity, compressor on after fan run for 3 seconds; press this button again, compressor stops, double 8 shows “- -”, machine goes to standby mode, fan will run for another minute and stop.



(2)

Press this button while machine is on electric, until button light goes on, press “MINUS”“ADD”to set the time to start the machine, when the count down is over, fan and compressor start work.

Press this button button while machine is running, until the button light goes on, press “MINUS”“ADD”to set the time to stop the machine, when the count down is over, fan and compressor stop work.

Press this button for 3 seconds shows current temperature, return to current humidity after 10 seconds. Long press this button shows temperature.



(3)

Increase the humidity by pressing this button at normal mode, humidity increase 5%RH with each press, buzzer rang each time with the press, press the button for 1 second can increase the humidity continuously; press this button to set the time after press “TIMER”.



(4)

Decrease the humidity by pressing this button at normal mode, humidity decrease 5%RH with each press, buzzer rang each time with the press, press the button for 1 second can decrease the humidity continuously; press this button to set the time after press “TIMER”.

Note:

1) The default humidity is 50%RH, to increase and decrease as follow:

20%-25%-30%-35%-40%-45%-50%-55%-60%-65%-70%-75%-80%-85%-90%

2) Environmental humidity and machine set humidity will decide the status of compressor and fan as follow:

Environmental humidity \geq machine set humidity + 3% ,compressor and fan start running.

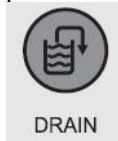
Environmental humidity $<$ machine set humidity + 3%,compressor and fan stop running.

Press continue button at continuous mode, switch to normal dehumidification mode, set the humidity manually.



(5)

Continuous mode---(display screen shows current humidity)machine keeps running, continuous mode light on, humidity set is invalid, time set is available. Press continuous mode to switch to normal mode, continuous mode light off, humidity set is operational.



(6)

Press this button to drain the water forcibly by the pump, the “FULL” indicator turn on, after 30 seconds, the pump stop working and the indicator turn off.



Display Screen:

The digital display features the following functions:

1. When the unit is plugged in, it shows '--', the machine is in standby mode.
2. When users press the power button, it shows the room humidity.
3. When users set the humidity, it shows the setting humidity.
4. When users set the time, it shows the timing.
5. Long press the timer button for 5 seconds, it shows the room temperature.
6. When the room temperature is below 5°C, it shows 'CL'.
7. When the room temperature is over 38°C, it shows 'CH'.
8. When the room humidity is below 20% RH, it shows 'LO'.
9. When the room humidity is over 95% RH, it shows 'HI'.
10. If there is a copper head sensor failure, it shows 'E1'.
11. If there is a temperature and humidity sensor failure, it shows 'E2'.
12. If there is a pump failure, it shows 'E4'.

Notes:

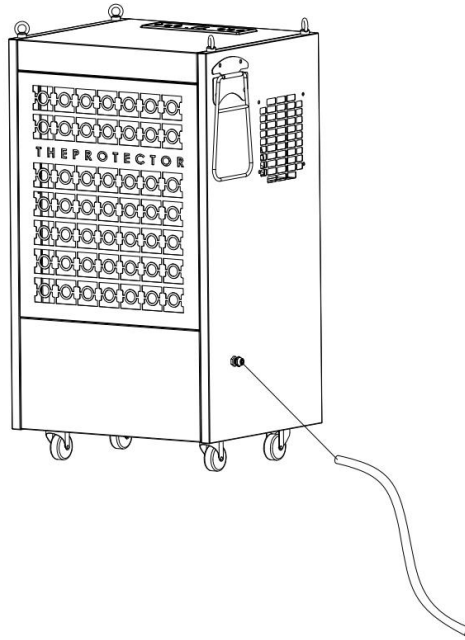
1. If the set humidity is higher than the room humidity, the dehumidifier will stop working.
2. If there is a sudden power failure during operation, the system can memorize the current status, and it will turn on automatically and enter the previous working status after power is restored. If there is a normal shutdown and the unit is in standby mode, then press the power button, the unit will also enter the previous working status. If users turn off the unit and pull the plug out, the unit will enter the default continuous dehumidifying mode after power is restored.

3. Auto Defrosting Function:

When the room temperature is lower than 5°C or higher than 38°C, the compressor and fan stops working.

Defrosting requirement: Compressor running for 30 minutes, temperature sensor sense the temperature $\leq -1^{\circ}\text{C}$ (last for 10 seconds), solenoid valve defrosting starts, fan and compressor continues, defrost light on; when the pipe temperature goes to 5°C or the defrost last for 15 minutes, defrosting stops.

WATER DRAINAGE



- Install the included drain pipe to the draining nozzle on the machine and direct the pipe to the desired area before operate the machine.
- When the pump is full for 3 seconds, the “FULL” light will turn on and the pump start to work; 30 seconds later the pump stop working.
- When the pump is full for 1 minute and detected by water level switch, the display screen will show “E4”, the buzzer rings for 15 times, the dehumidifier will stop working and the relay of pump will break.
- When the pump drains the water normally, the compressor and motor run well.

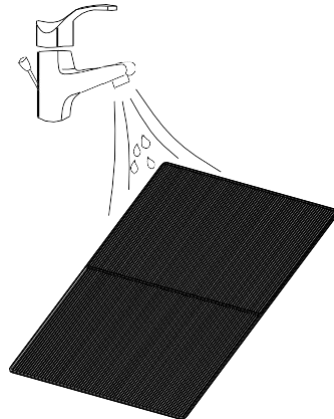
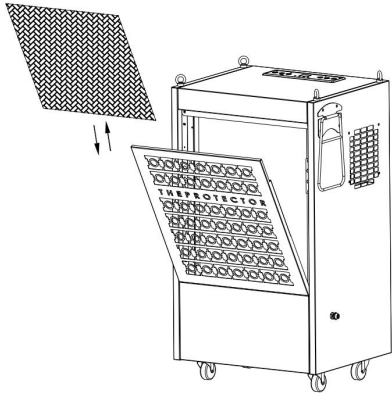
CLEANING AND MAINTENANCE



Please cut off the power supply before cleaning or maintenance.

Cleaning the Machine Body: Clean the machine body with a soft damp cloth. Do not sprinkle water on the unit. Do not use chemical solvent such as benzene, alcohol, gasoline. The surface may be damaged, even the whole case may be deformed.

Cleaning the Air Filter:



1. Pull out the louver of the front panel to get access to the filter.
2. Remove the filter mesh out of the unit.
3. Use a clean cloth to adsorb the surface dust on the filter mesh. If the filter is extremely dirty, use tap water to rinse the filter. Please dry it thoroughly before inserting the filter back into the unit in smoothly.



Dehumidifier Storage:

If the dehumidifier will not be used for an extended period, please refer to the following tips:

1. Clean the filter mesh.
2. **Attention:** The inner evaporator has to be dried out before the unit is stored to avoid component damage and molds. Unplug the unit and place it in a cool and dry area for days to dry it out. Another way to dry the unit is to set the humidity 3% higher than the ambient humidity to force the fan to dry the evaporator for a couple of hours.
3. Use the wrapping post to put away the power cord.
4. Store the unit in a cool dry place.

TROUBLE SHOOTING GUIDE

If the following condition happens, please review the list before calling the customer service.

Problem	Possible Cause	Solution
The unit doesn't run	Has the power cord been disconnected?	Plug in the unit
	The room temperature is under 5°C or above 35°C.	To protect the unit, please use it only when room temperature is between 5°C and 35°C.
The unit runs but doesn't dehumidify	The humidity setting is 3% higher than room humidity.	Reset the humidity to a lower set point, or shut down the unit if users are satisfied with the current humidity.
The dehumidifying capacity reduces	Filter mesh is jammed.	Clean the filter mesh according to manual.
	Louvers of Air inlet and Air outlet are jammed.	Clear the louvers.
No air comes in	Filter mesh or air inlet louver is jammed.	Clean the filter mesh or the air inlet louver.
The operation is noisy.	The unit is slanting.	Place it on the level ground.
	Filter mesh is jammed.	Clean the filter mesh according to manual.



THEPROTECTOR LIMITED PRODUCT WARRANTY

Please take the time to read through our Standard Terms and Conditions of the THEPROTECTOR Limited Product Warranty.

How Long Does The Coverage Last?

The product warranty becomes effective from the date of purchase by the purchaser. Coverage terminates if you sell or otherwise transfer the product. The repair of your product under warranty will not extend the period of the warranty. Each part has its own warranty. Please check the warranty list before you place an order.

How Do You Get Service?

Products are to be returned to THEPROTECTOR Tech Support Center under your express account. Address: 10725 Capital St. Oak Park. MI +1 248-542-1831

What is Covered?

Normal wear and tear. We will repair or replace your product if your product is found, within the warranty period, to be defective due to defective materials or workmanship existing at the time of purchase. If any part is no longer available or out of manufacture, THEPROTECTOR will replace it with a functionally-equivalent replacement part.

What is Not Covered?

THEPROTECTOR shall NOT be liable for costs of repair or replacement of a product incurred as a result of:

1. Accidental damage, faults caused by negligent use or care, neglect, careless operation or handling of the product which is not in accordance with the THEPROTECTOR Instruction Manuals.
2. Use of the parts not assembled or installed in accordance with the instructions of THEPROTECTOR.
3. Use of parts or accessories other than those produced or recommended by THEPROTECTOR.
4. External sources such as transit damage or weather.
5. Repairs or alterations carried out by parties other than THEPROTECTOR or its authorized agents.
6. Serial numbers defaced or missing.

THEPROTECTOR warrants the mechanical and electronic components of all THEPROTECTOR series to be free of defects in material and workmanship if used under normal operating conditions for a period from the original date of purchase. If the product shows any defects within this period and that defect is not due to user error or improper use THEPROTECTOR shall, at its discretion, either replace or repair the product using suitable new or refurbished parts. In case THEPROTECTOR decides to replace the entire product, this limited warranty shall apply to the replacement product for the remaining initial warranty period.

THEPROTECTOR DISCLAIMS ANY AND ALL LIABILITY, INCLUDING ANY EXPRESS OR IMPLIED WARRANTIES, WHETHER ORAL OR WRITTEN, FOR SUCH THIRD PARTY HARDWARE. THE CUSTOMER ACKNOWLEDGES THAT THEPROTECTOR HAS MADE ITS BEST EFFORTS TO MATCH ITS PRODUCTS TO WORK WITH THIRD PARTY HARDWARE OR THE ABILITY TO CONNECT TO AND CONTROL THIRD PARTY HARDWARE FOR THE CUSTOMER'S INTENDED PURPOSE. THEPROTECTOR ADDITIONALLY AND SPECIFICALLY DISCLAIMS ANY AND ALL LIABILITY FOR CHANGES, ADDITIONS OR UPDATES IN ANY WAY TO A THIRD PARTY MANUFACTURES PRODUCTS.

