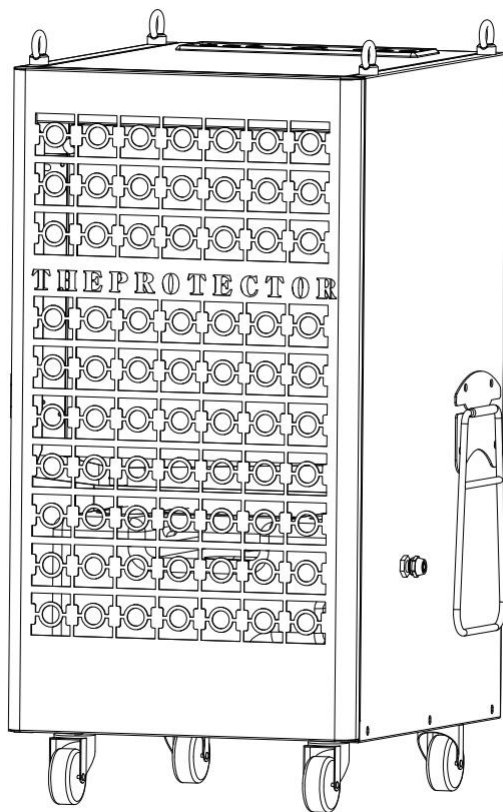


# INSTRUCTION MANUAL



## INNO-110pDhS

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.



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## 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.



**Never repair, dismantle, remold it by yourself. Even replacing the power cord should be done by specialized persons.**

## SPECIFICATIONS

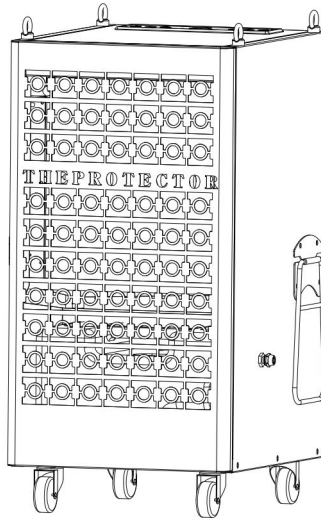
Model#	INNO-110pDhS
Voltage & Frequency	AC 115V 60Hz
Rated capacity	42Pints/Day @ 65°F, 60% RH
	70Pints/Day @ 80°F, 60% RH
	110Pints/Day @ 86°F, 80% RH
Power Consumption & Current	515W/5.05A @ 65°F, 60% RH
	635W/6.0A @ 80°F, 60% RH
	728W/ 6.75 A @ 86°F, 80% RH
Noise	≤60dB(A)
Air Circulation	450m3/hr
Freon type & Capacity	R410A/ 11.6Oz(330g)
BCSC	15A
Maximum Design Pressure	High Side: 522psig(3.6MPa)
	Low Side: 240psig(1.65MPa)
Compressor Input	RAL: 6.4A LRA: 38A
Fan Motor Power	0.100HP
Net Weight	36kg
Gross Weight	40kg

## FEATURES

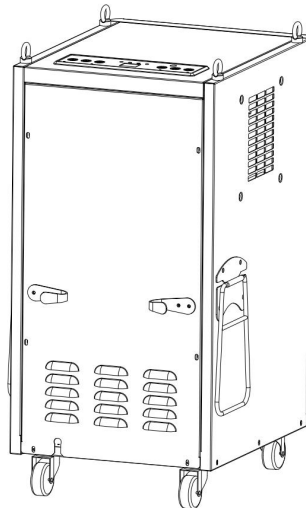
- \*Adjustable Humidity
- \*Built-in Auto Defrosting System
- \*Energy-saving Design
- \*Large Dehumidifying Capacity
- \*Moveable and Easy to Store

# DRAWINGS

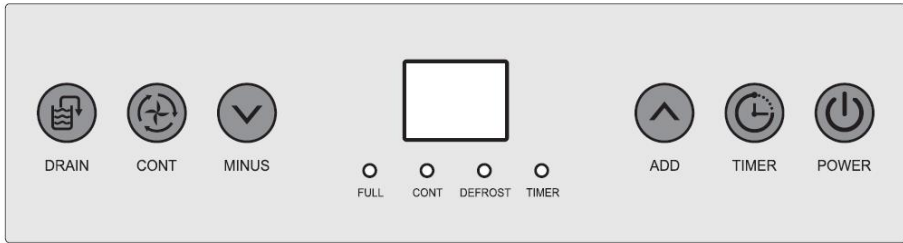
## Front



## Back



# OPERATIONS



## Button Function



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



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 countdown is over, the fan and compressor turn on.

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

will shut off.

Press this button for 3 seconds to show current temperature.  
After 10 seconds, the display will return to show current humidity.



The humidity can be increased by increments of 5%RH during normal mode. Hold this button for 1 second to increase the humidity continuously.



The humidity can be decreased by increments of 5%RH during normal mode. Hold this button for 1 second to decrease the humidity continuously.

### **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%

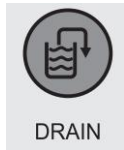
2) Environmental humidity and machine set humidity will decide the status of the compressor and fan as follow:

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

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



During continuous mode, humidity setting is unavailable. Continuous mode light turns on and the screen will display the current humidity. Press this button to switch to normal mode where the humidity setting will be available.



Press this button, the water pump will start the forced drainage system with the light on. After the system works for 30 seconds, the water pump will stop work with the light off.

## Operation

- 1) When the water pump is full, the “FULL” light goes on red and alarm goes on after 5 seconds. Buzzer beeps 15 times and the compressor and fan shut off. After the water pump is emptied, the machine will automatically switch to the previous mode while the compressor will be in 3 minutes of self-protect. Alarm will stop in 3 seconds after the water pump is emptied, fan starts, and compressor will start in 3 minutes.
- 2) Compressor will not need 3 minutes for self-protect if it was the first time to start the machine, press “POWER” and power off; power on, press “POWER”, compressor starts immediately.
- 3) The system has auto memory. When all the mode setting has been finished, if there is sudden power cut during operation, or the power jack slips out, the system may store the current status before the power is cut and enter the operation mode



before power cut automatically after power is supplied.

## Defrost Function

- 1) The compressor and fan will shut off when the environmental temperature goes below 41 °F or above 100.4°F.
- 2) Defrost requirement: Compressor running for 30 minutes, temperature sensor sense the temperature  $\leq 30.2^{\circ}\text{F}$ , (last for 10 seconds), compressor stops, defrost starts, fan continues, defrost light turns on, when the pipe temperature goes to 41°F or the defrost last for 15 minutes, defrost stops.

**Note: During defrost, light won't be off until the defrosting is over.**

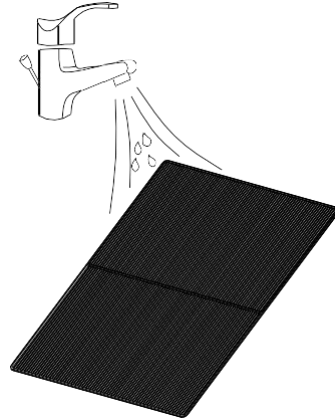
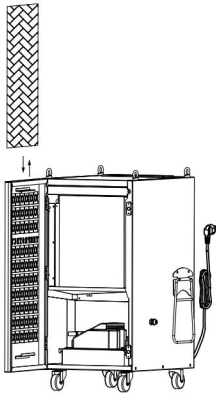
## CLEANING AND MAINTENANCE



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.

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
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.*

