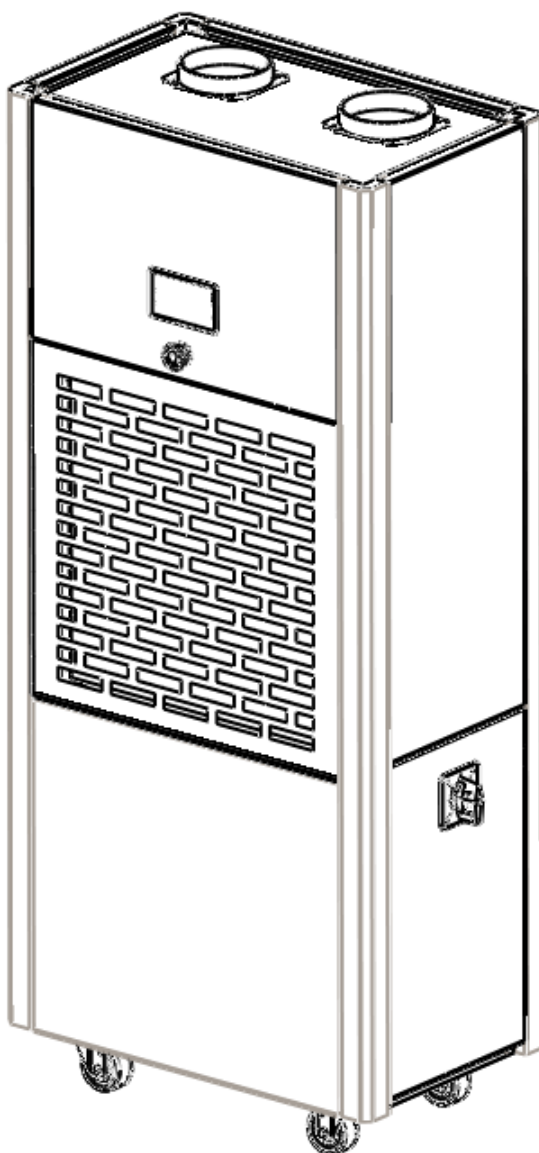




Instruction Manual

Model: Desidrat Plus 10000, 15000 e 25000



Thank you for choosing the Thermomatic Industrial dehumidifier series. To ensure correct use of operations, please read the instruction manual carefully and then store it in a safe place for future reference.

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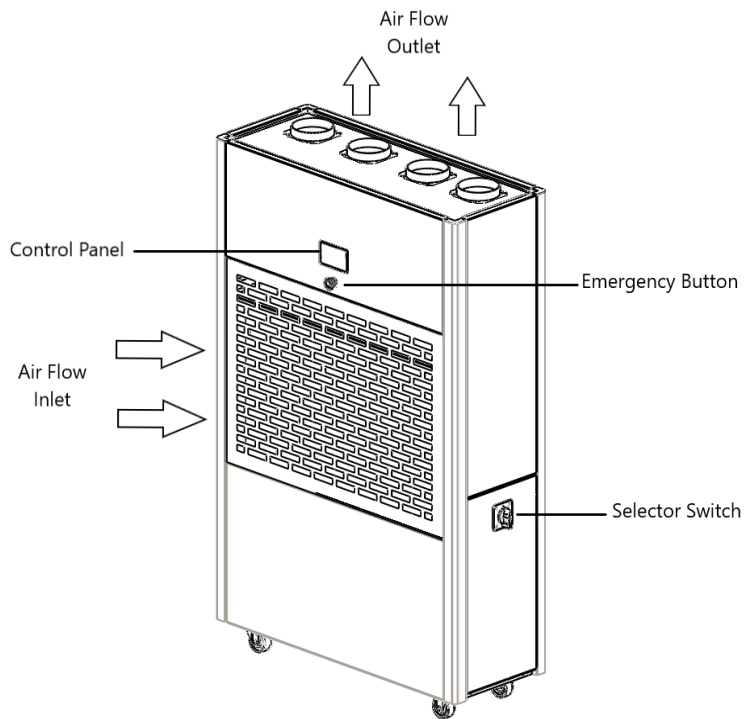
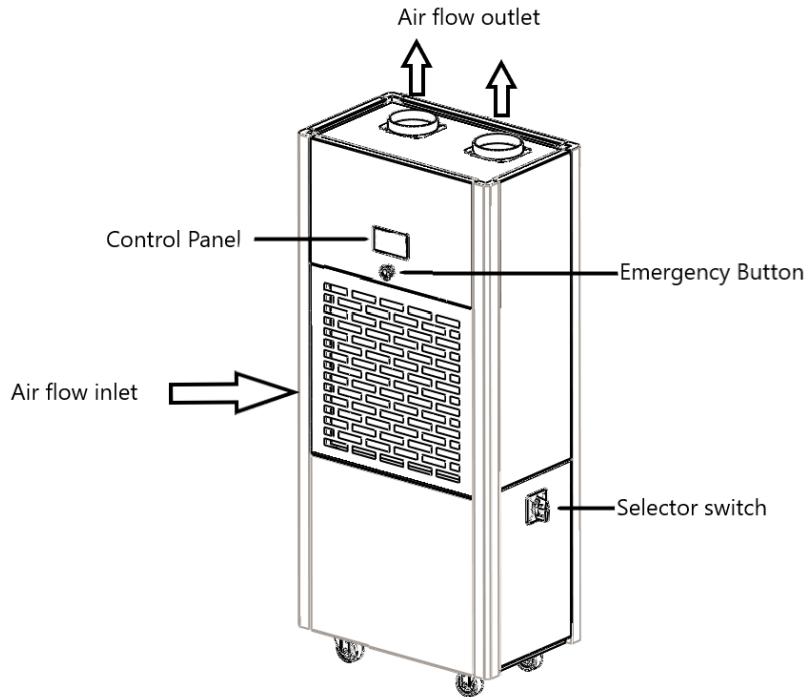
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1. READ THE USER MANUAL CAREFULLY.

To prevent unnecessary expenses, we recommend first reading the user manual.

This equipment is not suitable for use by people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have received supervision or instruction concerning the device or have read the user manual.

2. IF THERE ARE DOUBTS, CONSULT YOUR SUPPLIER.



Safety Information

- The installation of the equipment must comply with all safety requirements listed in this manual.
- Any modifications made to the equipment may be dangerous and will void the warranty.
- Use suitable power plug and socket (STEK 2P+T), the equipment must be installed on a grounded circuit. Before connecting the equipment, ensure that the voltage is correct and the device must be installed in accordance with national wiring standards.
- Make sure that the electrical current is 220V / 60Hz to ensure the correct functioning of the equipment.
- Never turn off the power directly from the mains to stop the equipment from functioning.
- In case of repairs, contact our company or authorized technical assistance, in order to avoid any risk of damage to the equipment and loss of warranty.
- Before cleaning or carrying out maintenance, always turn off the equipment correctly and remove it from the mains.
- Never use or store the equipment in a room containing gas, gasoline, sulfur or any other flammable or explosive product.
- Never insert objects or stick stickers on the grille that could obstruct the air inlet or outlet.
- The equipment must be placed on a flat surface and its wheels properly locked to avoid vibrations, noise or accidents.
- When placing the plug into the electrical network, make sure it is securely fitted, and it cannot be connected to timers, UPSs, transformers or extension cords.

Equipment Information

The air dehumidifier is used to control relative humidity in a nominal range that varies from 50% to 60% through condensation. Maintaining relative humidity in balance ensures that the environment, people and goods are protected from humidity and its causes such as mold, mildew, bad odors and the proliferation of microorganisms that cause respiratory diseases.

For some specific products, production and storage must have predefined relative humidity. For this reason, Thermomatic do Brasil offers high quality products for industries in general.

This product is applicable to industries, regions and objects, such as: laundries, banks, marinas, shipyards, photographic studios, chocolate shops, hospitals, libraries, production companies, graphics, hospitals, food industries, textile industries, pharmaceutical industries, oil industries, laboratories, museums, hotels and motels, laboratory rooms, instrument workshops, radiology rooms, IT rooms, newspaper rooms, archive/warehouse rooms, dairy production, nurseries, radiology, metrology rooms, warehouses, silos, steel mills, petrochemical plants, power plants hydroelectric plants, seed storage, wineries, nurseries, stocks, among others.

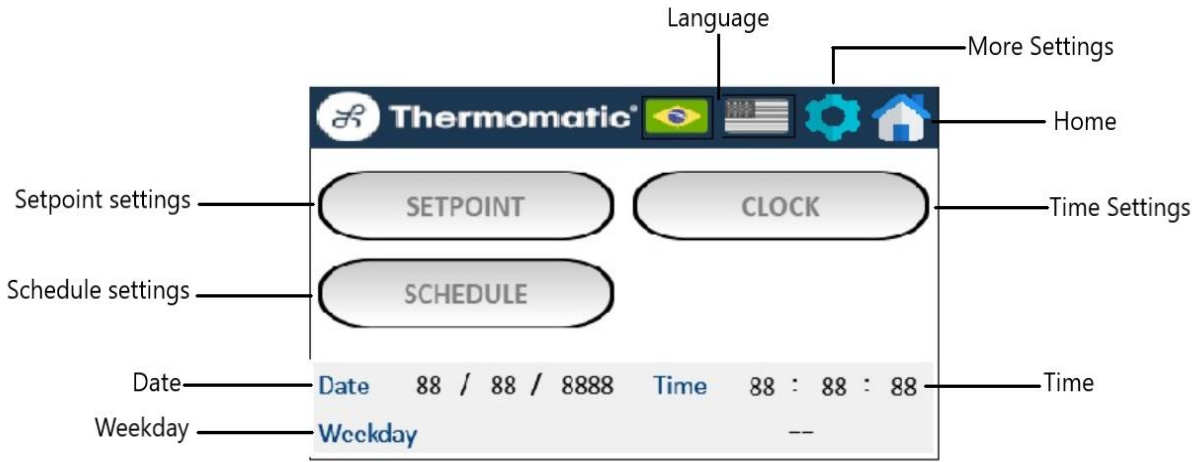
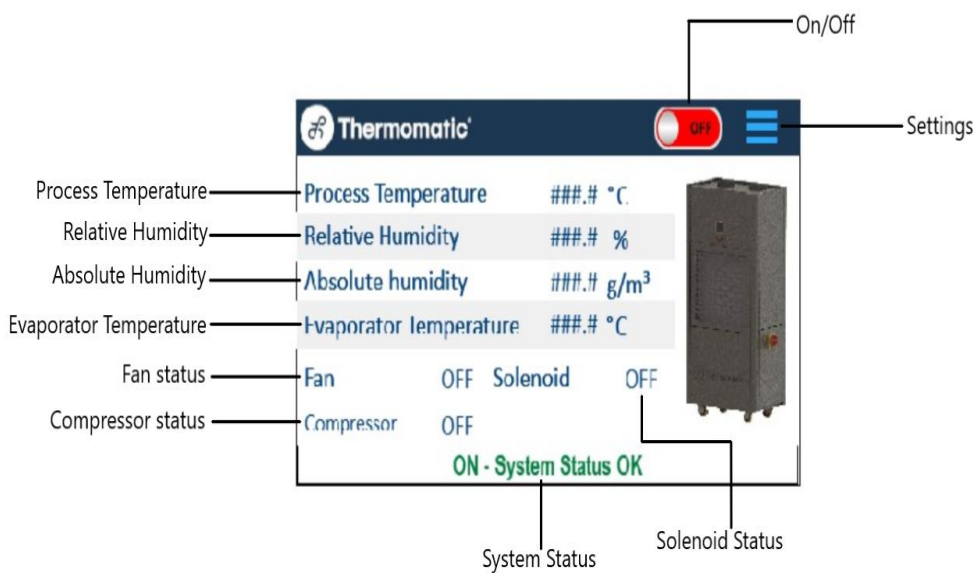
Preparing for use

- The equipment must be installed on a flat surface to avoid vibrations and noise.

- When moving or transporting equipment, do not exceed 45° degrees of inclination to avoid damage to the compressor and refrigeration circuit.
- Maintain sufficient space around the equipment, which must be at least 30 cm at its ends.
- The location of the equipment must be fixed and the casters locked to prevent the equipment from sliding.
- Connecting the equipment to the electrical network must be carried out by a professional.
- The drain hose must always be kept lower than the equipment drain outlet hole to maintain continuous water flow using gravity.
- Never use an extension cable to connect the equipment to the electrical network. If there is no suitable outlet, ask an authorized electrician to install it.



Control Panel

(Plus 10000, 15000 e 25000)



Operation

● Standby by Mode / On – Off

Turn on the device, the display will indicate "  ", means the equipment is in standby mode.
Press the button "  " to turn the equipment on/off.
The last function is activated when the equipment is accidentally turned off.
When placing the plug into the electrical network, make sure it is securely fitted, and it cannot be connected to timers, UPSs or extension cords.

● SETTINGS

Press the SETTINGS button to access the dehumidifier settings.

● SETPOINT

To select the desired humidity, you need to go to "MORE SETTINGS", then go to "SETPOINT" and configure the desired humidity



NOTA: On this screen you can choose to read relative humidity or absolute humidity

● CLOCK

This option is to make date and time adjustments according to your location
Just like setting the day of the week.

This functionality allows the equipment to be programmed to turn on and off following the preferences established in the "SCHEDULE".

● SCHEDULE

When the equipment is running, you can set the timer to turn it off.
When the equipment is in standby mode, you can set the on timer.
By pressing the "SCHEDULE" button once, a new screen will open.
On this new screen it is possible to determine a time to switch on, as well as a time to switch off.
It is also possible to determine which days of the week the equipment will be turned on.



● ALERT

When the equipment has a problem, the system will indicate what happened to the equipment, informing the control panel of the error found.

It is also possible to know which errors occurred throughout the day through the “Alarm history”



The image shows the 'Alarm History' screen. It features a table with three columns: Alarm, Start Time, and End Time. The first two rows contain data for 'Alarm1 Text' and 'Alarm2 Text', both with start and end times of '25-10-2016 12:30'. The remaining rows are empty.

Alarm	Start Time	End Time
Alarm1 Text	25-10-2016 12:30	25-10-2016 12:30
Alarm2 Text	25-10-2016 12:30	25-10-2016 12:30

NOTA

- If the humidity setting is higher than the humidity present in the environment, the equipment will not work.
- During operation, if there is a bad contact, power outage or power fluctuation, the compressor will automatically shut down. When re-stabilized, it will take 3 minutes for the compressor to operate again as a protective measure.
- At low temperatures, the equipment will automatically activate defrost/defrost. While the equipment defrosts the condenser and the fan keeps running to help with defrosting, but the compressor will remain off.
Note: For effective dehumidification, the temperature in the room must not be lower than 17°C.
- If the equipment has been accidentally turned off during operation (e.g. power outage), it will only start working again when turned on manually.
- The humidity level can be selected from 10% RH to 90% RH, however, as it is equipment that works with humidity through thermal shock, the actual humidity control will not exceed 40%. This is the lowest U.R. that the equipment can reach.
Note: It is advisable to keep the environment at 50%. This relative humidity option is ideal for the comfort of human beings and for the conservation of products or goods. Above 60% of microorganisms harmful to health are rapidly reproduced.
- If you do not use the equipment for a long time, unplug it from the socket.

Problems Solution

Please read the solutions below before requesting technical assistance.

FREQUENTLY ASKED QUESTIONS		
Problem	Cause	Solution
The equipment does not work	<ol style="list-style-type: none"> 1.The plug is not plugged into the socket. 2.Lost electrical current. 	<ol style="list-style-type: none"> 1. Connect to socket 2. Check current.
The equipment does not dehumidify	<ol style="list-style-type: none"> 1.The filter is clogged. 2.There are blockages near the air intake. 3.Environment with lots of ventilation. 4.The environment is too large for the equipment's capacity. 5.There are many sources of moisture. 6. The refrigerator/gas is leaking. 	<ol style="list-style-type: none"> 1.Clean the filter. 2.Remove blockages. 3.Close doors and windows, or any other source of humid air entry. 4.Add a higher capacity dehumidifier. 5.Reduce the source of moisture and use equipment with greater capacity. 6.Contact authorized technical assistance.
Water leak	<ol style="list-style-type: none"> 1. The equipment is tilted. 2. The drain hose is blocked. 	<ol style="list-style-type: none"> 1.Adjust the equipment on a flat surface. 2.Remove hose blockage.
There is an abnormal noise	<ol style="list-style-type: none"> 1.The equipment is tilted. 2.The filter is very dirty. 	<ol style="list-style-type: none"> 1.Adjust the equipment on a flat surface. 2.Clean the filter
<p>If, despite following these steps, problems persist, contact an authorized technical assistance representative.</p>		

Maintenance

- The temperature range for ideal equipment operation is 17°C to 35°C.
- When the equipment is in operation, the ambient temperature may rise by 1°C to 3°C if the environment is much lower than that of the equipment.
- To ensure good and effective dehumidification, it is necessary to check that the room is closed. Always keep doors, windows or any other air intake closed.
- The electrical current and accessories must be checked regularly.
- If the equipment is not going to be used for a long time, drain all the water from the equipment, unplug it and cover it to avoid dust.

Filter cleaning

The filter will accumulate dust when the equipment is operating. For effective dehumidification to occur, this excess must be removed, therefore the filter must be cleaned regularly.

We recommend that the filter be cleaned every two weeks or as necessary. If the dust is excessive, the filter should be cleaned once a week.

When cleaning the filter, you must first turn off the equipment and unplug it. Remove the grille and remove the filter to clean.

Remove dust from the filter using a vacuum cleaner, or by placing it under running water.

The filter cannot be dried in the sun to avoid distortion/deformation. Wait for it to dry completely before reinstalling it.

Warranty Conditions

WARRANTY TERM
Thermomatic do Brasil Ltda. provides a guarantee for a period of 12 months, including the legal guarantee, considered from the date of issuance of the invoice, against possible manufacturing defects.
Equipment specifications

IMPORTANT:

A presente garantia não cobre danos causados por: transporte, instalação inadequada, mau uso, pico de tensão ou conexão em voltagem incorreta, corrosão de componentes por pó químico ou outros tipos de pó, negligência de limpeza periódica, acidente ou violação do equipamento para reparos em assistência técnica não autorizada ou por profissional despreparado. A cobertura da garantia também não se dará se o equipamento for virado na posição horizontal, ou seja, o equipamento deverá permanecer perpendicularmente (à 90°) em relação a sua superfície de contato no transporte e instalação, pois a inclinação do equipamento poderá ocasionar entupimento do sistema de refrigeração da máquina, causando danos irreparáveis ao compressor e demais peças.

The legal or contractual guarantee does not include transportation. Transport costs, in cases of provision of technical assistance services, will always be the responsibility of the customer, as well as any risks involved or damages suffered during transport of the dehumidifier.



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