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Eureka Auto Dry Box

User Instruction Manual

Thank you for purchasing Eureka Dry Tech's Auto Dry Box. We hope this instruction manual will assist you in setting up your Auto Dry Box expeditiously and begin to protect your precious belongings from moisture damage.



In case of emergencies, please keep this manual in a safe place for references.

Component Description

NOTE : The RH% level is indicated by this end.

Analog Hygrometer
Indicates Relative Humidity levels inside the box.



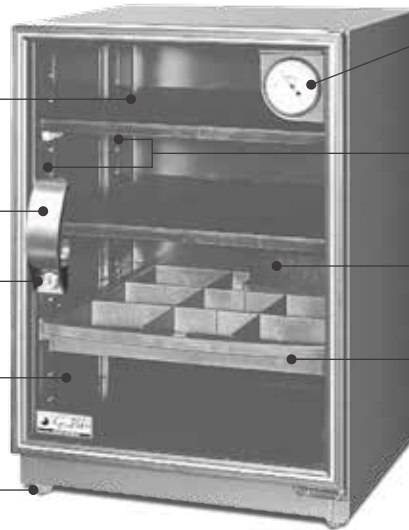
Adjustable Shelf

Door Handle

Lock

Tempered Glass

Adjustable Anti-Slip Foot Mount



Multifunctional Height Adjustment Brackets

Auto Dry Box Core Unit

Adjustable Sliding Shelf

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Component Description

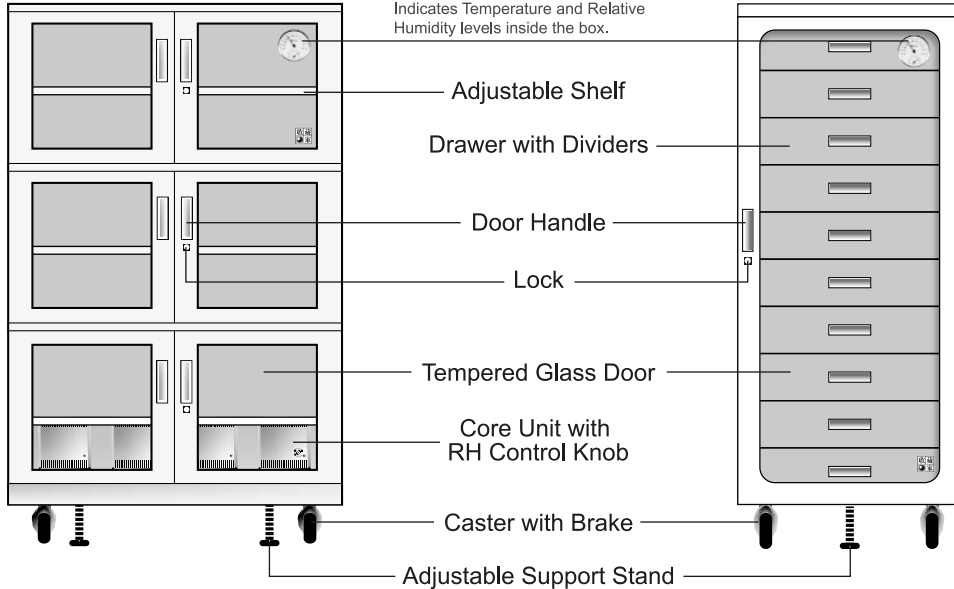
Professional Series



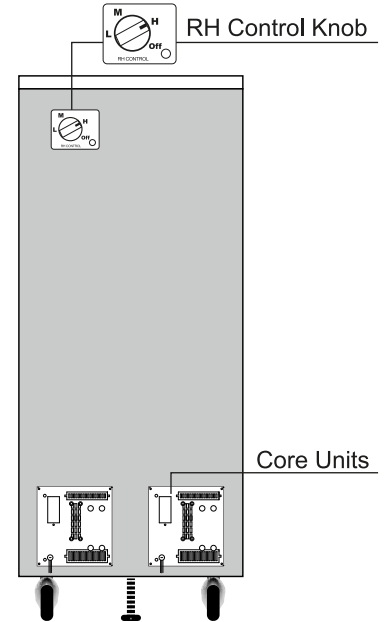
Example:
Current display: 30°C, 36%RH

Analog Thermal-Hygrometer

Indicates Temperature and Relative Humidity levels inside the box.

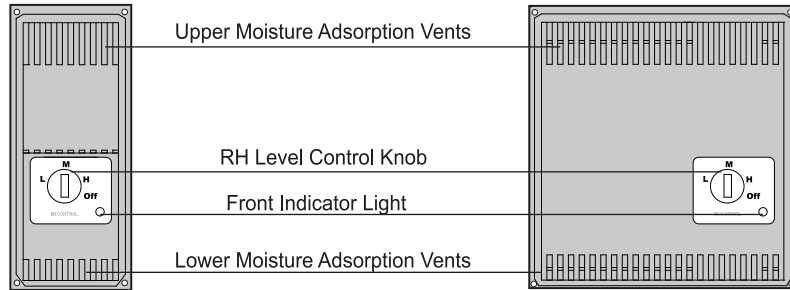


Filing Series

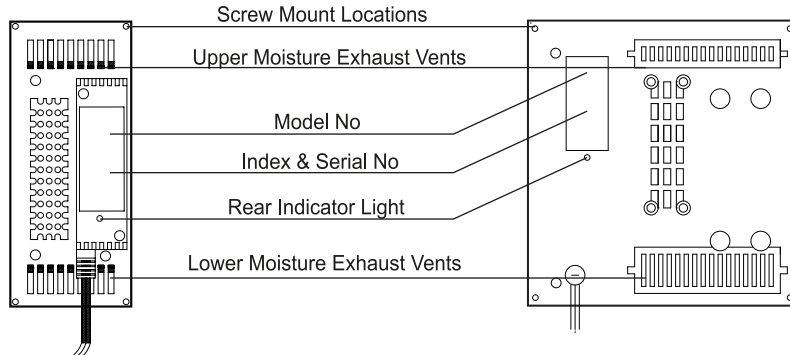


Auto Dry Box Core Unit Details

Core Unit Front Side View



Core Unit Rear Side View



NOTE:

The front and rear indicator lights were implemented for ease of determining whether the Auto Dry Box is out of order during self-examination / self-service repairs. Unless service and / or maintenance are requested, please disregard these indicators during normal operation.

Core Unit Settings Descriptions

NOTE: These recommendations are for references only.

When Set To **M**

35%~45%RH level when Dry Box is empty.
Storage items: Optical/Photography Equipment, Cameras, Lenses, Video Camera, Telescopes, Microscopes, Storage Media, Films, Slides, Microfilm, DVD,VCD, CD, Portable Disc.

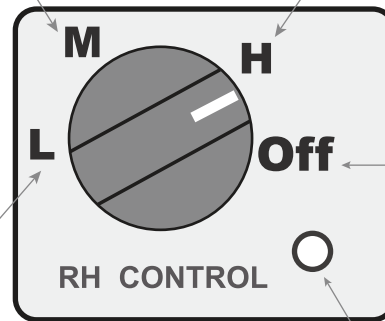
The core unit will operate at medium level and your items will be stored at the mid RH range the product is capable of.

When Set To **L**

45%~55%RH level when Dry Box is empty.
Storage Items: Paintings, Albums, Stamps, Leather Products, Clothing, Antiques.

The core unit will operate at the lowest level and items will be stored at higher RH range the product is capable of.

Core Unit Control



When Set To **H**

25%~35%RH level when Dry Box is empty.
Storage Items: Semiconductors, Electronics, Accessories, Medication, Edibles, Chemicals and other materials.

The core unit will operate at the highest level and items will be stored at the lowest RH range the product is capable of reaching.

The Dry Box will not operate if the control knob is set to the OFF position.

Front Indicator Light

On Regeneration

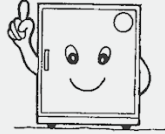
Off Drying

NOTE:

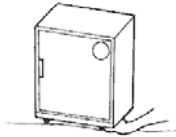
1. The control knob can be set on L, M, H or Off. When the relative humidity inside the box reaches the desired set range, the core unit and the rear indicator will automatically shut off at the same time.
2. The above suggestions are based on past experience and shall serve as a reference only. Preservation of precious items shall be primarily based on information and/or suggestions made by the original manufacturer.
3. Please set the control knob according to the needs and manufacturer's recommendations for your stored items.

Easy Installation Guidelines

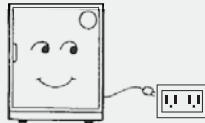
- 1** Find a level and stable location for your Auto Dry Box.



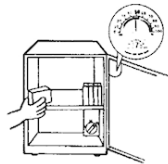
- 3** Keep the Auto Dry Box stable and level by adjusting the foot mount.



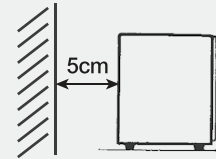
- 5** Plug into a 100/110V or 220/240V (as listed on the cabinet) power source to begin cycling your Auto Dry Box.



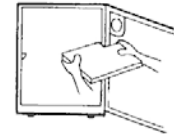
- 7** Begin storing items inside your Auto Dry Box.



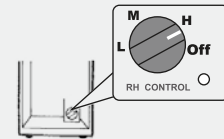
- 2** Maintain at least 5cm space between the rear of the Auto Dry Box and any objects to allow proper venting.



- 4** Install the adjustable shelf.



- 6** Turn the control knob to H (high) and run the Auto Dry Box overnight (or over 12 hours) in order to decrease the RH level inside below 40%.



- 8** Set the control knob to L, M, or H based on the needs of your stored items. (Refer to Page.4)

Safety Notices and Warnings

Keep objects away from the Auto Dry Box to prevent the vents from being contaminated by tiny objects. If fouled up, the core unit will not work properly and the relative humidity will not be reduced.



Do not store erosive, explosives, vapors nor ignitable items in the Auto Dry Box to avoid causing a fire or explosion.



Do not allow your stored items to block the vents of the core unit. Blocking it will keep the air inside the Auto Dry Box from circulating and prevent the relative humidity level from dropping.



Do not disassemble the core unit to avoid serious injury and damage. In the event of any injuries occurred caused by disassembling the core unit, neither the seller nor the manufacturer will bear any responsibility.



Food and chemicals shall be wrapped tightly to prevent food odor and chemical fumes from contaminating other stored items, and/or damage the drying unit.



For safety reasons, do not allow children to play in or on the Auto Dry Box to prevent from falling or other harm.



To prevent any damages, please remove all items stored in the Auto Dry Box before moving it.



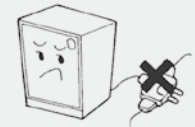
Do not place items that hold water, such as flower pots, fish bowls, etc., on top of the Auto Dry Box to prevent water from spilling inside and damaging the core unit.



Do not place the Auto Dry Box in a location where it is subject to direct sunlight. The stored items may change shape, warp and/or fade.



Please only use approved power rating listed on the cabinet (110V or 220V AC). Use of improper power supply will cause damage to the core unit. Do not share the same socket with other electrical devices (by using splitters).



Keep the Auto Dry Box away from heaters or high temperature areas.



Recommendation of the cabinet's placement location is to avoid direct sunlight or strong convection airflow places. (such as air conditioner outlets, windows, or directions where fans blow towards, etc.)



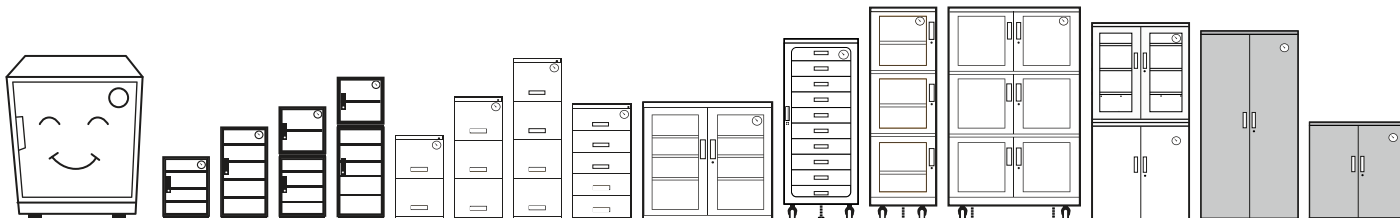
Troubleshooting and Diagnostics

•Steps in determining whether Auto Dry Box is functioning properly.

Situation Description		
Items to check	Reasons	Possible Solution
ISSUE! <i>RH cannot be reduced.</i>		
<ul style="list-style-type: none"> ▶ Is the power cord connected? ▶ Is the power cord plugged in properly in the socket? 	Humidity adsorption will continue during power failure. If the Auto Dry Box is opened often, or without power for a long time, humidity level will increase.	<ul style="list-style-type: none"> ▶ Make sure the power cord is connected. ▶ Adjust the power cord so it is properly connected.
<ul style="list-style-type: none"> ▶ Was the cabinet door open for a long period of time? ▶ Has the cabinet door been accessed often? 	Large amounts of humidity will enter when the Auto Dry Box is opened often.	<ul style="list-style-type: none"> ▶ Please make sure the Auto Dry Box is not opened too frequently or for long periods of time.
<ul style="list-style-type: none"> ▶ Does the stored item(s) contain high moisture content? 	If the items contain high amounts of water, the continuous release of H ₂ O molecules will affect the speed of humidity reduction.	<ul style="list-style-type: none"> ▶ Please allow several weeks to observe whether the RH level has reduced to the desired RH range.
ISSUE! <i>RH is too high.</i>		
<ul style="list-style-type: none"> ▶ Is the control knob adjusted to the proper level? 	Setting the control knob to L, M, and H will result in different levels of dehumidification effects.	<ul style="list-style-type: none"> ▶ Adjusting the control knob to M or H will increase dehumidification and decrease RH level.
ISSUE! <i>RH is too low.</i>		
<ul style="list-style-type: none"> ▶ Is the control knob adjusted to the proper level? 	Setting the control knob to L, M, and H will result in different levels of dehumidification effects.	<ul style="list-style-type: none"> ▶ Open the Auto Dry Box door will allow humidity to enter. ▶ Adjust the control knob from M to L will decrease dehumidification effects and increase RH levels.
ISSUE! <i>Core Unit rear indicator light is off.</i>		
<ul style="list-style-type: none"> ▶ Is the RH reading on the gauge within the optimal range? 	Core unit power will turn off automatically when the RH level reaches desired settings.	<ul style="list-style-type: none"> ▶ When the RH level rises above the set level, the core unit will automatically turn on and the indicator will be on.
ISSUE! <i>Core Unit front indicator light is off.</i>		
<ul style="list-style-type: none"> ▶ Is the RH reading on the gauge within optimal range or continuing to decrease? 	While core unit is in adsorbing stage, light indicator will not turn on during this time.	<ul style="list-style-type: none"> ▶ When core unit is saturated with moisture, it will begin the regeneration stage, and the indicator will be on.

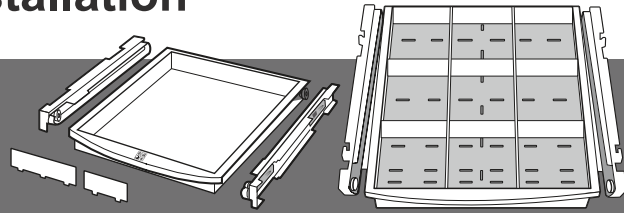
●Please double check the following before shipping for repair.

Abnormal Situation		
Items to check	Reasons	Possible Solution
<p>ISSUE! <i>The needle on the hygrometer does not move.</i></p>		
<p>▶ Tap the hygrometer lightly with your finger to see if it moves.</p>	<p>Direct sunlight and high external temperatures may result in hygrometer malfunctions.</p>	<p>▶ Please contact our customer service and describe the situation in detail.</p>
<p>ISSUE! <i>RH is too high.</i></p>		
<p>▶ Please turn the control knob to the OFF position or directly remove the power plug.</p> <p>▶ Allow the core unit 5-10 minutes to reset. Set the control knob to H and plug in the power cord. The front and rear indicators should both be on at this time.</p> <p>▶ After a few minutes, the upper and lower vent doors of the core unit will open. If you touch the vent doors, you should feel vapors coming from those areas.</p> <p>▶ After half an hour, the vapor release process will be complete. At that time, the front indicator will turn off and the upper and lower vent doors will close.</p>	<p>If one or more of the items to the left does not occur as listed, the core unit shall be removed and shipped for repairs.</p>	<p>▶ Please contact our customer service department and describe the problems you are experiencing with the Auto Dry Box.</p> <p>▶ If the Auto Dry Box needs to be shipped to our repair department for service, please remove the core unit as indicated in the diagram below and ship it to our customer service department.</p> <div data-bbox="1050 602 1500 812" data-label="Diagram"> <p>Step 1. Remove 4 screws from each corner on the back of the core unit</p> <p>Step 2. Remove the core unit.</p> </div>



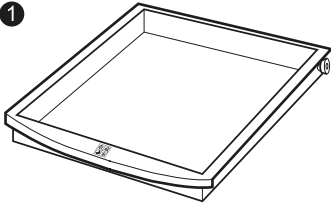
Multifunctional Sliding Tray Installation

Sliding Tray Set

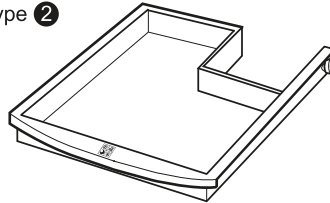


- There are 3 types of Sliding Trays shown below.

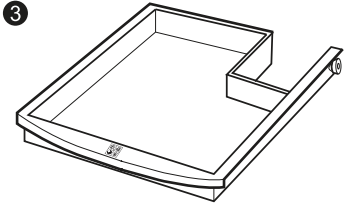
Type ①



Type ②



Type ③

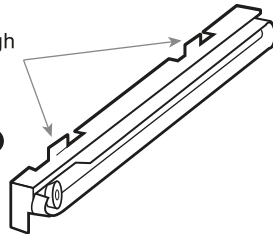


Type ① Full sliding tray Type ② and ③: Sliding tray with cut out.

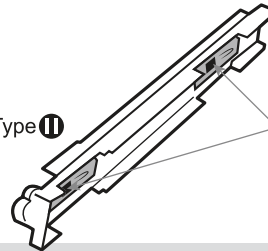
- There are 2 types of Sliding Tracks shown below.

Hook Through
Brackets

Type ①



Type ②



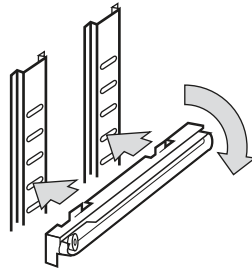
Metallic Bracket Plates
with locking snaps

Type ① is used for Tray ① Type ② is used for Tray ② and ③

1. Installing the sliding track

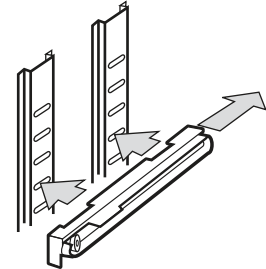
A. Installation of Sliding Track Type ①

Align the Hook Through Brackets of the Sliding Track Type ① with a set of slots of the Height Adjustment Brackets and turn the Sliding Track 90 degrees downwards. Then, confirm that the Sliding Track is fixed in place.



B. Installation of Sliding Track Type ②

Align the Metallic Bracket Plates of the Sliding Track Type ② with a set of slots of the Height Adjustment Brackets and push the Sliding Track towards the rear of the Auto Dry Box until it clicks into place.

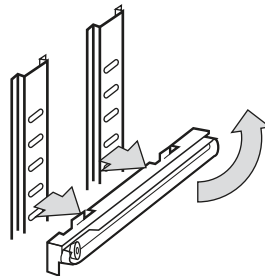


2. Removing sliding track

Please follow the removal directions if adjustment is necessary after track installation.

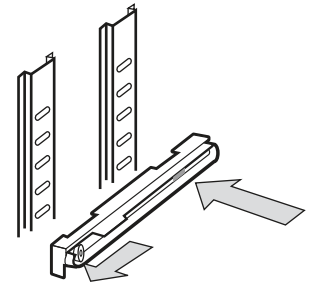
A. Removing Sliding Track Type ①

To remove Sliding Track ① rotate the track 90 degrees upwards as depicted below. Then pull it horizontally to separate it from the Auto Dry Box.



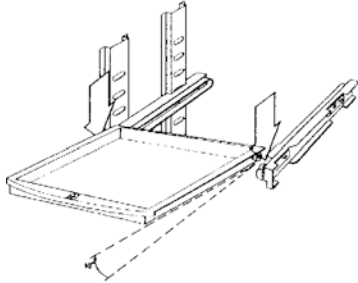
B. Removing Sliding Track Type ②

On the inside of the Sliding Track Type ② there is a metallic release button. To remove the Sliding Track, press the metallic button while pulling the Sliding Track towards the front of the box.

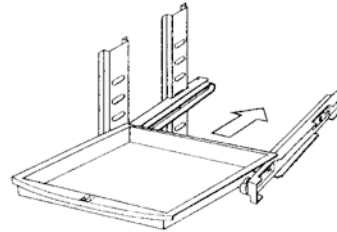


3. Sliding tray installation

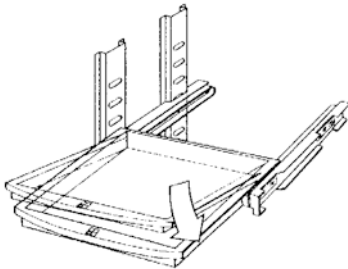
- A.** Hold the front edge of the tray at a 10 degree angle and insert the wheels on the rear of the tray into the tracks.



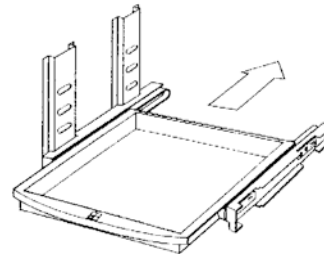
- B.** Keep it at a 10 degree angle and slide the tray in about 7 cm.



- C.** Lower the front edge to level the tray.

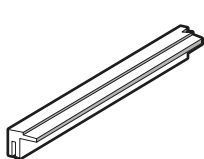
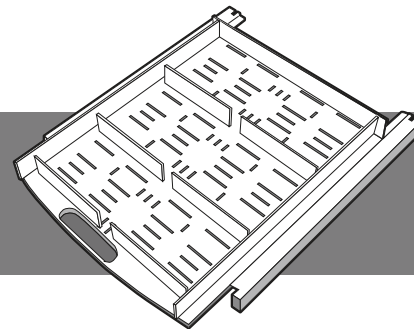


- D.** Push the tray all the way in. Test slide the tray to make sure there are no obstructions or malfunctions. The tray should slide with ease.

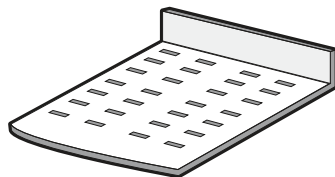


Multifunctional Sliding Tray Installation

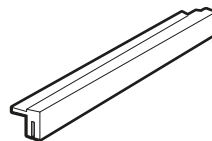
Sliding Tray Set



▲ Left Sliding Track



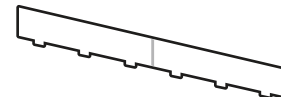
▲ Sliding Tray



▲ Right Sliding Track



▲ Short Dividers



▲ Long Dividers

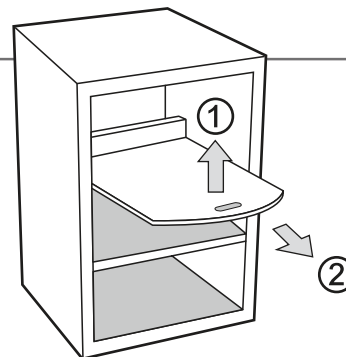
● If you would like to adjust the height of the sliding tray, please read the following instructions:

1. Remove the sliding tray

Remove items from the slide tray, then pull the tray out.

Note : If there is weight on the tray, it may lock in place at 2/3 of the way. If this happens, gently lift the front edge of the tray up (1), then pull until removed from slide track (2).

Note : To avoid dropping the tray, please support the tray with two hands during removal.



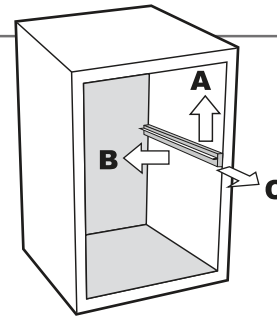
2. Remove the slide track

A. Lift the front edge of the track up until separated from locking metal plate.

Note : If the track would not release, pushing the track slightly towards the wall of the cabinet while lifting up until separated from locking metal plate. This will release locking tabs on the front of the tracks.

B. Slightly angle the front of the track towards the center of the cabinet.

C. Pull track outwards to remove the track.

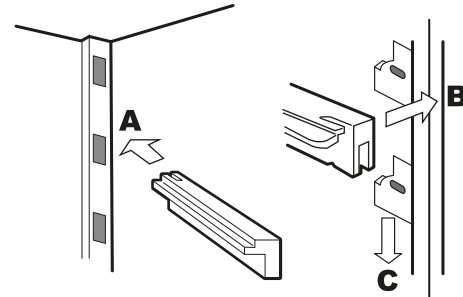


3. Adjust and installing the slide track

A. At the desired height, align and insert slide track into rectangular cut out.

B. Tilt up the front edge of the track (about 3 cm) and move it towards the wall of the cabinet.

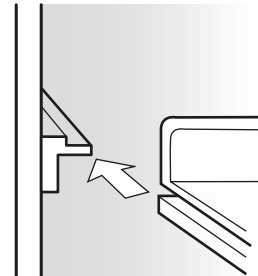
C. Push the track down until track is locked in place (between the wall and locking metal plate).



4. Installing the slide tray

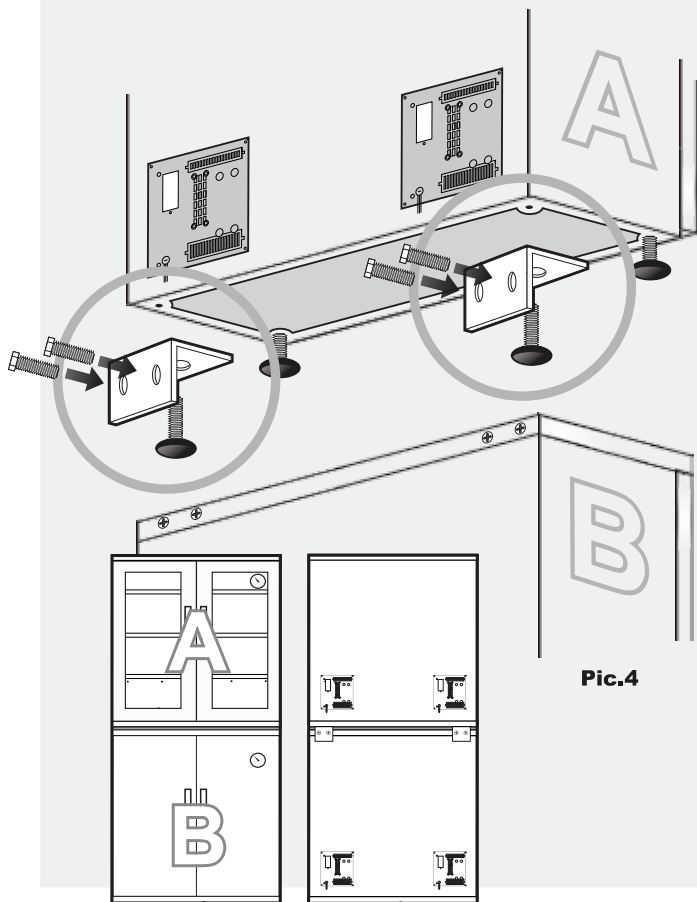
A. Align the slits on both edges of the tray with the tracks and push in.

B. Slide tray in and out of cabinet to check for proper operation.



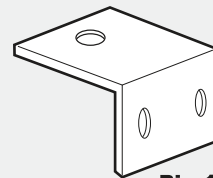
Double Stack Mounting Instructions (Medium / Large Models)

This instruction applies to all stackable units with supporting mounts.



1. Supporting Mounts Parts Description

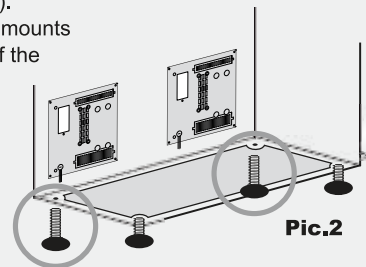
- I . L-shaped mounting bracket x 2 PCs
(Packed in the plastic bag)(Pic.1)
- II . Screw x 4 PCs
(Screw on the top rear of cabinet)



Pic.1

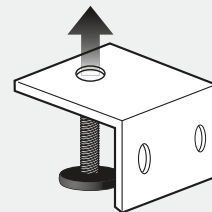
2. Installation:

- I . Remove the adjustable foot mounts from the top unit (Cabinet A)(Pic.2). Insert the adjustable foot mounts through the center hole of the L-Shaped bracket (Pic.3) and install the L-shape brackets between the cabinet (A) and adjustable foot mounts.



Pic.2

- II . Remove the screws on the top rear of the bottom unit (Cabinet B). Place Cabinet A on Cabinet B and line up the L-Shape bracket with the screw mount locations. Secure the L-shaped bracket with the screws.(Pic.4)



Pic.3



Website www.eurekadrytech.com

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