Thank you for purchasing SIRUI Electronic Humidity Control products. Please read this manual before using.

Please check and confirm the following, before purchasing:
The four serial numbers on the main body of the cabinet, back of the cabinet, carton label and key identification card must be the same.

CONTENT

1. Features .................................................................1
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1 Features

(1) Product introduction

The SIRUI Electronic Humidity and Safety Control Cabinet offers high security and flexibility. The cabinet contains a high performance dehumidifying system with microcomputer humidity control, which is energy efficient, noise free, and has an LCD panel that displays the internal temperature and humidity. The humidity control and security system makes this product ideal for protecting jewelry, delicate lenses, photographic and optical equipment, electronic products, microcomputers, chips, etc. The humidity control system prevents moisture from damaging your most precious possessions and helps extend their life and value.

(2) Features

※ Password can be used to open the door, eliminating the need for a traditional key.
※ Password can be up to 12 digits.
※ Password memory: Your password does not need to be reset if power is lost.
※ You will see an indicator light and hear a confirmation sound when you input the password, insuring proper input.
※ Under-voltage warning device.
※ Low-voltage warning indicator.
※ Automatic electronic humidity control, digital display and control, designed for long-term storage.
※ High performance dehumidifying system is quick, highly-efficient, energy-saving and non-polluting.
※ Internal design of the humidity control elements protects the components from damage.
※ Enclosure is constructed of high-strength cold-rolled steel (6mm) and precision welding.
※ The humidity control and anti-theft systems operate independently, The cabinet is easy to operate, safe and reliable.

2 Safety Instructions

※ Please confirm the power supply is AC 110V~240V 50/60HZ before using.
※ Do not put your finger or stick anything into the grill on the back of the Cabinet.
※ Please keep this manual, spare keys safety (Spare keys can not keep inside the cabinet).
※ Inexperienced people, and children must use the cabinet under safe supervision and guidance.
※ Children should be supervised and should not play with or near the cabinet.
※ If the power cord is damaged, it must be replaced with an equivalent power cord. Contact the selling dealer or SIRUI for replacement parts.
3 Safe Operation

Please use the cabinet correctly, to prevent damage to the product or harm to yourself.

⚠️ Warning

To prevent personal injury or product damage, it is very important that you follow the instructions in this manual.

⚠️ Attention

<table>
<thead>
<tr>
<th>Meaning of Symbols</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚠️ Warning</td>
</tr>
<tr>
<td>Indicated operation must be followed</td>
</tr>
<tr>
<td>⚠️ Do not touch the product with wet hands</td>
</tr>
<tr>
<td>Power cord must be pulled out</td>
</tr>
<tr>
<td>⚠️ Do not try to disassemble, repair or modify</td>
</tr>
</tbody>
</table>

⚠️ Warning

- **AC 110V~240V 50/60Hz**
- Humidity control cabinet uses single phase alternating current AC 110V~240V 50/60Hz power source.
- Improper use of power source may cause fire or high temperature.
- The cabinet must be attached to the wall or a sturdy object if the cabinet will be placed on a high surface.
- To prevent the cabinet from falling and causing damage or personal injury.
- If there is any abnormal running or smell, please pull out the power plug immediately.
- Fire or electric shock may occur.
<table>
<thead>
<tr>
<th><strong>Warning</strong></th>
</tr>
</thead>
</table>
| ![Warning Icon]  
**Do not damage the insulation layer.** |
| ![Warning Icon]  
**When using the cabinet, do not coil the power wire together.** |
| ![Warning Icon]  
**Do not put anything into the humidity removal window.** |
| ![Warning Icon]  
**Fire, electric shock, short circuit may be caused.** |
| ![Warning Icon]  
**Fire or high temperature may be caused.** |
| ![Warning Icon]  
**Electric shock or cabinet damage may be caused.** |
| ![Warning Icon]  
**Do not put flammable and explosive things into the cabinet.** |
| ![Warning Icon]  
**Do not use the cabinet in areas with moisture accumulation.** |
| ![Warning Icon]  
**Do not place containers with liquid on top of the cabinet.** |
| ![Warning Icon]  
Which may cause the cabinet to short out and cause a fire or electrical shock. |
| ![Warning Icon]  
**Condensation or spills may cause a short circuit, fire or electrical shock.** |
| ![Warning Icon]  
**Do not put objects on top of the cabinet or step on the cabinet.** |
| ![Warning Icon]  
**Do not pull out the power plug with wet hands.** |
| ![Warning Icon]  
**Do not disassemble or modify the cabinet.** |
| ![Warning Icon]  
This may damage the cabinet and/or cause personal injury. |
| ![Warning Icon]  
Which may cause an electric shock. |
| ![Warning Icon]  
This may cause a fire, electric shock or cabinet damage. |
**Attention**

- **Do not put the cabinet on an unsteady or uneven place.**
  - Which may cause the cabinet to fall.

- **Do not put the cabinet near an air-conditioner vent or in a room with changeable temperature, direct sunshine or excessive dust.**
  - Which may weaken the function of humidity removal.

- **Use of excessive force on the shelves may cause the shelves and stored objects to fall and possibly become damaged.**

- **Do not cover the vents behind the cabinet.**
  - Which may cause heat buildup and possible product failure.

- **Keep the distance of the cabinet at least 5cm (2 inches) from the wall.**
  - For proper air circulation and heat release.

- **Attach the cabinet onto the wall with set screws.**
  - To prevent the cabinet from tipping over.

- **Do not place cabinet upside down or on its side.**
  - Which may cause damage to the cabinet.

- **Please make sure the cabinet door is closed and locked during use.**
  - Otherwise, energy will be wasted and the cabinet life will be reduced.

- **Pull out the power plug when not using the cabinet for a long period of time.**

---

**SIRUI**

---

4
4 HS Series Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>HS50</th>
<th>HS70</th>
<th>HS110</th>
<th>HS260</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (L)</td>
<td>50</td>
<td>70</td>
<td>110</td>
<td>260</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>41.5</td>
<td>52</td>
<td>70</td>
<td>120</td>
</tr>
<tr>
<td>Dimensions height x length x width (mm)</td>
<td>556 x 415 x 360</td>
<td>700 x 415 x 360</td>
<td>856 x 450 x 380</td>
<td>1340 x 520 x 450</td>
</tr>
<tr>
<td>Password digit</td>
<td>Can be chosen randomly between 1-12 digits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humidity control mode</td>
<td>Fully automatic electronic humidity control</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Door material</td>
<td>6mm steel plate with powder coating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabinet body material</td>
<td>3mm Cold rolled steel with powder coating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>AC 110V–240V 50/60Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power consumption (kW/month)</td>
<td>1.3 – 3.4</td>
<td>1.3 – 3.4</td>
<td>1.3 – 5.3</td>
<td>1.5 – 5.3</td>
</tr>
<tr>
<td>Quantity of shelves (set)</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
</tbody>
</table>

Product is subject to change without prior notice.

5 Operation

1) Appearance
The following picture is only an example for instructional purposes. The actual appearance of your cabinet may be different from the picture.

Caution
Start and Run the cabinet for 4 hours before placing items in the cabinet.
Accuracy of the humidity control is +/- 5% RH
Factory pre-set of the cabinet internal humidity is 25%RH

![Diagram of cabinet with labels for Mounting hole, Control panel, Drawer, Spare lock, Decoration nameplate, Handle, Moveable Shelf, Battery Box, Password Reset, Alarm Switch, Humidity Control Component, Screw]
(2) System Control

![Diagram of System Control]

(3) Control Panel Functions

<table>
<thead>
<tr>
<th>Name</th>
<th>Function Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lock Indicator Light</td>
<td>Light will flash 3 times from left to right side when door is opened. Locking light will flash when door is locked.</td>
</tr>
<tr>
<td>Humidity Control Light</td>
<td>Humidity Control Light will flash when the Humidity Cabinet is working.</td>
</tr>
<tr>
<td>Humidity and Temperature display</td>
<td>Shows % of humidity and temperature in °C or °F.</td>
</tr>
<tr>
<td>SET/Confirm Button</td>
<td>Push to view the current humidity setting, adjust the setting and confirm operating status.</td>
</tr>
<tr>
<td>▲or▼button</td>
<td>To adjust the humidity setting, press ▲ or ▼ to increase or decrease.</td>
</tr>
<tr>
<td>Lock Button</td>
<td>Pressing LOCK for 1 seconds will unlock the humidity setting.</td>
</tr>
<tr>
<td>Wrong Password Alarm/Indicator Light</td>
<td>If you enter the wrong password three times, the Indicator Light (Yellow) will flash and the alarm will beep.</td>
</tr>
<tr>
<td>Door Open Indicator Light</td>
<td>Door Open Indicator Light (Green) will flash for 4 seconds, when you enter the right password.</td>
</tr>
<tr>
<td>Low Voltage Battery Warning Indicator</td>
<td>Indication for low battery.</td>
</tr>
<tr>
<td>Digit Entry Keypad</td>
<td>Enter Security Password.</td>
</tr>
<tr>
<td>Password error cancel button</td>
<td>When you input the wrong password, please press the Cancel Button.</td>
</tr>
<tr>
<td>External Power Supply Connector</td>
<td>When there is no electrical power supply and the Low Battery Warning Light is on, insert the External Backup Battery into the External Power Supply Connector.</td>
</tr>
<tr>
<td>Enter Password Confirm Button</td>
<td>After you input the password, press this button to confirm the password and the system will automatically save the password.</td>
</tr>
</tbody>
</table>
6 Operation Method

(1) Operation method for Humidity Control System

1 Humidity setting
When you use the equipped power cord with 110V~220V, the system will scan automatically. After 30 seconds, the system will go into Power Saving Mode. Please refer to “Object Storage Humidity Reference Table” (Page 13) to find the corresponding humidity you want (the factory setting of the cabinet is 25% RH).

Unlock the display by pressing any button on the control panel and pressing the “LOCK” button for 2 seconds. Set your desired humidity by pressing the “SET” button first, (the current humidity number will be flashing), then press the “▲” / “▼” button to make this number increase/decrease. (The number will keep increasing/decreasing until you release the "▲" / “▼" button). Press “SET” again, when you have the number you want. Now the humidity you set is recorded and the system is automatically back to normal operational mode.

Note: humidity control range is 25%RH~65%RH; humidity display range is 20%RH~99%RH; humidity metering error range is ±5%RH.

2 Keypad Lockout Function
The system will become self-locking if there’s no activity on the keyboard for 10 seconds ( Signs appear). This means that any operation (like pressing “▲” or “▼” 、“SET”) will not function.

3 Unlock the keypad
Press the “LOCK” button for 2 seconds and the sign disappears. You can then control the “▲” or “▼” 、“SET” buttons.

4 Internal lighting and door locking indication
When you open the door, the interior cabinet light goes on and the Lock Indicator Light on the Control Panel goes on to indicate that the door is open. When closed, the Lock Indicator Light will go off and the door will lock.

5 Activate the LCD’s backlight
The LCD screen backlight and keypad illumination function turns on when you press any button on control panel in normal working mode. The light will turn off after 30 seconds.
6 Shelf setting
※ Please do not touch the internal humidity control component when setting up the shelf and guide rail system.
※ The guide rail must be set on the same slot height to ensure that the shelf is horizontal.

(2) Security with Electronic Password and Door Operation

1 Setup - first use
Put the batteried external battery box plug into the external power port of the operation panel. Input the initial password 000000, then press “enter” for confirmation. The indicator light (yellow light) will flash for two times and beep twice. Next, the green light will light up for only 4 seconds. You should open the door by turning the handle clockwise within this 4 second time period.

2 Set or Revise Password
With the door open, press the “Password Reset” button on the side plate on the back of the door. The yellow light will flash and beep once. Next reset the password by inputting your own password on the operation panel (up to 12 digits). When you press “ENTER”, the yellow light will extinguish and beep once. Your password is now set.
③ Normal operation

Open the door: Press any key to lighten the screen. Input your password and press “Enter” (if you make any entry error, press “Cancel” to delete the wrong password and input the right one). The green light will flash and beep twice. Next, the green light will be shining for 4 seconds only. Open the door by turning the handle clockwise within this 4 seconds period. Finally, close the door by turning the handle counter-clockwise to its limit.

④ Open the door for emergency

Open the door with the emergency key if you forget the password or cannot open it due to improper use. The emergency lock is hidden behind the decorative nameplate. Pry the nameplate off and take the key. Insert the key with your right hand and turn clockwise about 30° while turning the handle clockwise about 1/4 turn with your left hand. Now the door is open. After you have reset the password, replace the key behind the decorative nameplate and press the nameplate back into position.

As shown in the photo below

⑤ Alarm Function

※ The alarm will sound if any bump or movement happens to the cabinet after the door is closed for more than 1 minute.
※ The alarm will sound if the wrong password is entered 3 successive times.
※ An extremely loud alarm (≥90dB) will sound for 1 minute. Re-enter the right password and the alarm will stop.
※ Turn off the alarm by turning down the “Alarm Switch” that is on the side plate behind the door.
6 Low Voltage Indicator

When you input the password and push the "Enter" button, if the red indicator light goes on with the green indicator at the same time, the back-up battery has low voltage. You will need to replace the battery soon. When the red indicator lights up, the door can still be opened for up to 100 times. Open the door by using the external battery box if the back-up battery has no power. Please replace the battery as soon as possible.

7 Please properly keep the emergency key and External Battery Pack in a safe place. Never put into the cabinet for storage.

⚠️ Attention Never put into the cabinet for storage.

7 Routine Maintenance

(1) Cautions

① Make sure outlet is in a good position.
② Make sure power supply and plug are in good condition and fully plugged into the outlet. Avoid bad contact that brings a potential safety hazard.
③ To avoid personal injury, do not plug or unplug the cabinet when your hands are wet. Do not place near water or wet surfaces. Do not unplug by pulling the wire - pull from the plug. Replace the cord if it is cracked or the wiring is exposed - it may cause a fire hazard.
④ Unplug the power cord when not using for a long period of time.
⑤ Make sure the door is closed when using the cabinet. If not, the cabinet will continue to try to remove the moisture which will waste energy and reduce the life of the humidity control system.
⑥ Keep the distance of the back of the cabinet at least 5cm (2 inches) from the wall, for proper air circulation and heat release. (As shown in the left photo). When new items are put into the cabinet, the surface temperature of the humidity control system will increase for 35 minutes. To prevent damage to the items in the cabinet, do not put them close to the surface of the humidity control system.
⑦ Please place the cabinet near the wall and use the enclosed Expansion Screw to fasten the HS cabinet onto a wall for adding security. (As shown in the right photo)
(2) Routine Cleaning
① Please do not store corrosive objects like chemicals, inflammable and explosive materials in the cabinet to avoid fire caused.
② Please take out the shelves and clean with mild detergent.
③ Dry with a soft cloth to avoid functional failure or fire accident.
④ Please clean the cabinet at least once a month. Also clean the dust around the cabinet and Humidity Control window.

⚠️ Warning ⚠️ Do not clean the cabinet with water! This will cause a potential fire and electrical shock hazard.

(3) Routine inspection of power cord
① Clean the power cord and socket if needed.
② Change the power cord if there are any signs of aging or cracks.
③ Change the power cord and socket if there is any looseness.
④ Turn off the power, unplug the power cord and check for damage if the cord is unusually hot.

8 Possible problems and trouble shooting

Please follow the below steps if you need to remove the Humidity Control Component:
① Remove the cover plate of power socket
② Unplug the power port
### Removing two wing bolts

![Diagram showing wing bolts and other parts](image)

### Problem | Possible reason | Solution
--- | --- | ---
Still doesn’t work when turned on | Is Power cord plugged in properly? | Make sure power supply and plug are in good condition and fully plugged into the outlet.
Humidity is not going to desired level | Does the article contain too much moisture? | Dry the article with fan before putting it in the cabinet.
 | Inappropriate humidity setting. | Refer to the humidity recommendation for your article and set the proper one.
 | Internal humidity is much higher than outside environment. | Set the internal humidity lower than outside environment.
 | Opening or closing the door too often. | Reduce the number of times and length of time the door is opened.
 | Too crowded inside - affects its humidity absorbing convection function. | Rearrange the inner articles to allow sufficient airflow or remove some articles.
 | Locating place:  
a. High heat from a nearby oven or other heat generating equipment may affect efficiency.  
b. The blowing from the air outlet of the air conditioner, fan or other equipment may affect air convection. | Stay away from places with high temperatures and strong air flow,
Cannot open the door with password | Alarm light indicates wrong password entered. | Check and Re-enter password.
 | Red Low battery warning light is on | Plug the external battery box (with batteries) into the power socket and open the door in normal operation.
9 Humidity recommendations: Reference Table

<table>
<thead>
<tr>
<th>Relative humidity</th>
<th>Storage Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>55%-60%RH</td>
<td>Paper material: paintings, antiques, paper currency, old books, fax paper, copy paper, typing paper.</td>
</tr>
<tr>
<td>45%-55%RH</td>
<td>Optical equipment: video camera, acoustics, computer equipment, cameras, lenses, microscopes, CDs, telescopes, endoscopes, negative film, video tapes, microfilm, disk drives, lantern slides.</td>
</tr>
<tr>
<td>35%-45%RH</td>
<td>Precise Material: metal, nonmetal, metal powder product, electrical equipment, electronic product, semiconductors, capacitors, Printed Circuit Boards, tungsten filament, IC, battery. Precision machinery &amp; instrument products: accessory, oxygen, crystal, precision measuring tools, optical glass, spectrometer etc.</td>
</tr>
<tr>
<td>35%-25%RH</td>
<td>Chemical raw materials: pharmacy raw materials, spices, paint, powder, powder material, adhesives. Farm supplies: seeds, pollen, dried flowers.</td>
</tr>
</tbody>
</table>

⚠️ Attention The equipment cannot be used when the relative humidity is lower than 25%

10 Kindly Remember

※ Run the empty cabinet for 4 hours before putting in your goods.
※ Goods with lots of moisture like those containing packing paper/cloth should be dried with a fan before putting in storage.
※ When starting the dehumidification process, the temperature of the cabinet body surface will become higher, it will last 35mins (Different size cabinet will take longer or shorter periods of time).
※ It's not possible to set the inside humidity higher than the outside humidity because the HS has no humidifying capabilities.
※ Place away from heat, smoky, dusty and high-heat locations. This may cause unstable humidity control.
※ Keep the distance of the back of the cabinet at least 5 cm (2 inches) from the wall, for proper air circulation and heat release.
※ Cut off the power before you maintain or remove the electronic cabinet. Unplug the power cord when not using it for a long period of time.
※ Please do not store corrosive objects, chemicals, inflammable and explosive materials in the cabinet.
※ Clean the shelves with mild detergent, and dry with a soft cloth. Do not use the water to directly clean the cabinet.
※ Please regularly check the screen and parts. If there are any abnormal circumstance, please call the SIRUI service hotline for assistance.
※ Please call SIRUI service hotline at 400 830 2299 for any problem.
※ The SIRUI cabinet comes with a 6-year warranty (3-year warranty for Electronic parts). Please contact your authorized SIRUI distributor or local dealer with any service issues.
<table>
<thead>
<tr>
<th>S.N.</th>
<th>Description</th>
<th>Unit</th>
<th>HS50</th>
<th>HS70</th>
<th>HS110</th>
<th>HS260</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Detachable power cord with 2/3 prong connector</td>
<td>set</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Spare key</td>
<td>pcs</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Drawer key</td>
<td>pcs</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>External battery pack</td>
<td>set</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Battery</td>
<td>pair</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Expansion Screw</td>
<td>set</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Expansion Screw Jacket</td>
<td>pcs</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Moveable Shelf</td>
<td>pcs</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>Shelf bracket</td>
<td>pcs</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>10</td>
<td>Sponge</td>
<td>pcs</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>11</td>
<td>Instructions</td>
<td>pcs</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Dear Customer,
Thank you for your purchase of Sirui professional products!
Sirui warrants that your purchase is free from defects in materials and workmanship, under normal use during the Limited Warranty period. The warranty period starts on the original date of purchase on your sales receipt. If service is required, please include a copy of the sales receipt and this warranty card, with an explanation of the problem. Please store your sales receipt and warranty card in a safe location.
SIRUI service hotline: 400 830 2299

Buyer reading:
(1) The Sirui cabinet comes with a 6-year warranty. (The electronic parts have a 3-year warranty). The warranty period starts on the original date of purchase on your sales receipt.
(2) This warranty is only valid when product is purchased from an authorized SIRUI dealer or online shop.
(3) If service is required on the cabinet: Please confirm the problem by contacting your dealer or SIRUI directly. Remove the problem parts and send only those parts to the SIRUI factory for repair. Please refer to the instruction manual or call our service hotline for more information.
(4) Warranty repair will not be provided, under the following circumstances:
   ① The warranty period is over.
   ② The product was not purchased from an authorized SIRUI dealer.
   ③ The product was repaired by an unauthorized agency or unauthorized repair center.
   ④ Damage was caused due to improper operation, accident, natural disasters.