

AIRTECH

STATIC PASS BOX

USER MANUAL



This manual is for standard product reference only.

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1. *Foreword*

Thank you for purchasing our STATIC PASS BOX this time.

- Please read the instruction manual carefully and use the product correctly.
- Improper operation will cause serious accidents.
- Please be sure to designate the operation and management personnel of this equipment. If an abnormal accident occurs, please report to the management personnel immediately.
- Do not tear off the specification label on the device.
- This manual is written for standard equipment, but special specifications can also be used as a reference.





2. *Receiving instructions*

- Please check carefully and confirm whether the product is damaged due to the shipping process.
- Please confirm whether the product and the order content are consistent.
- The company's products are strictly controlled from production, inspection, packaging to shipment. If there is any problem with the product, please contact us within 3 days of arrival. If the product is improperly used or modified, it will not be covered by our warranty.

3. *Safety instructions*





| 3-1 Marking description

- Please read the "Safety Instructions" carefully before using the product and use the product correctly.
- Please follow the precautions described here.
- The label and description are shown in the figure below.


Label	Description
 Danger	It will damage human body if do not comply with Safety Notice.
 Caution	It will cause malfunction if do not comply with Safety Notice.
 Prohibition	Prohibition
 Conformation	Conformation

3-2 Precautions during installation

Danger

-  It is forbidden to install in an environment prone to fire or explosion
 - This equipment is not explosion-proof.
 - It is forbidden to install in an environment prone to fire and full of explosive gas.
-  Wiring work is performed by professionals
 - There may be a risk of electric shock.
-  Install in a place where the base plate is strong enough
 - Please install it in a location that can bear the weight of this equipment.
-  Install the equipment before connecting the power line
 - Avoid electric shock accidents.
 - Be sure to ground.

Note

-  Do not use in the following places to avoid machine failure
 - Places with low or high temperatures.
 - Places with heavy moisture or moisture easily.
 - Places likely to cause dust accumulation.
 - An outdoor space that is exposed to wind and rain.
 - If you want to install in a special environment, please contact our company to discuss opinions.

- ❗ Install the device in a stable location
 - If the equipment is installed in an unstable position and tilted, it may cause problems in the operation of the blower.
- ❗ Do not block the return air outlet
 - Blocking will reduce the return air volume, resulting in reduced equipment performance.
- ❗ Plan maintenance work area
 - The filter must be replaced regularly, and maintenance work such as the blower and electrical wiring must be maintained.
- ❗ Confirm voltage specifications
 - Please confirm whether the input power is the same as the equipment specifications to avoid the danger of fire and combustion of parts.

| 3-3 Precautions when using

⚠ Danger

- ❗ Please cut off the power when checking
 - Sudden operation of the equipment may cause electric shock accidents.
- ❗ When replacing the primary filter, please stop the blower first
 - Prevent the blower from inhaling foreign objects or causing personal injury.

⚠ Note

- ⊘ Caution electricity
 - Do not operate the device with wet hands, as this may cause electric shock.
- ⊘ Do not switch the switch multiple times within one minute
 - Switching the power switch repeatedly for a short time may cause the blower or electric control parts to burn out.
- ⊘ Do not touch the electronic control parts
 - Do not touch the electronic control parts inside the device. If you have to, please cut off the power first.

- ⊘ Do not damage the power cord
 - Do not put heavy objects on the power cord or place them randomly.
 - Damage to the power cord may cause accidents such as fire or electric shock.
- ⊘ Do not modify the equipment
 - It may cause accidents such as electric shock, fire, and equipment performance degradation.
- ⊘ It is forbidden to use volatile oil or thinner to clean the equipment
 - Do not use volatile oil or thinner to wipe the equipment to avoid the fading and peeling of the coating.
- ⚠ Please clean and replace the filter of this equipment regularly
 - Please follow the operation method described later to clean and replace.

| 3-4 Precautions when abnormal

⚠ Danger

- ⊘ Prohibit self-disassembly and repair
 - Improper handling may cause electric shock, fire and other accidents. Please hand over to our company for disassembly and repair.

⚠ Note

- ⊘ Do not use when abnormal
 - Operating under abnormal conditions may cause electric shock or fire accidents.
 - In the event of an abnormality, please stop the operation immediately, cut off the main power supply and contact our customer service staff.

4. *Function and Specifications*

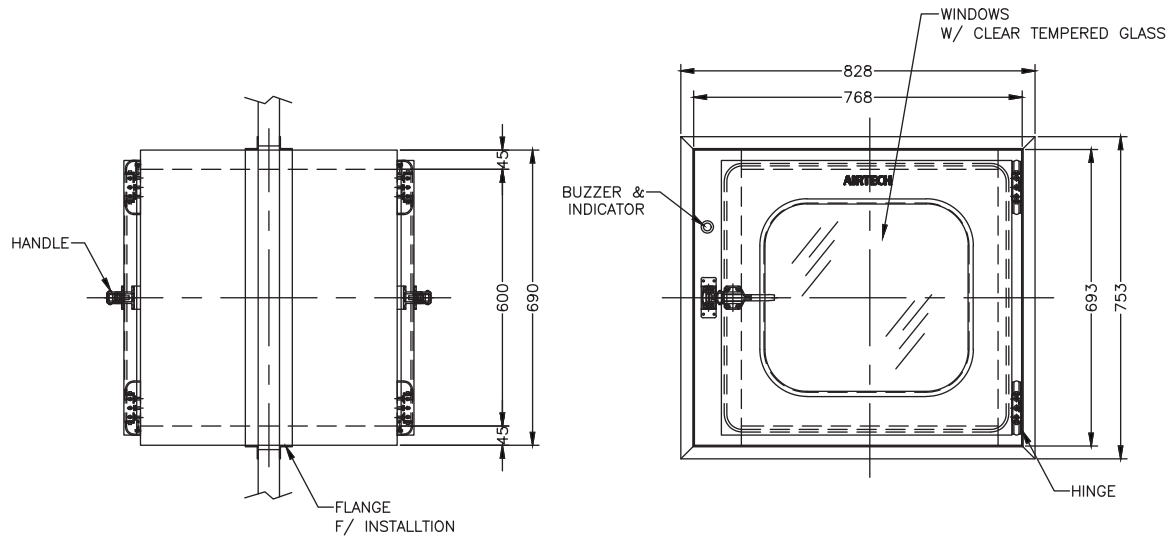
4-1 Funtion

- It can prevent pollutants from being directly brought into the clean area.
- The inter-locker function can be provided to ensure that the doors on both sides will not be opened at the same time.
- This manual is compiled based on the standard format of the simple type (without blowing device).

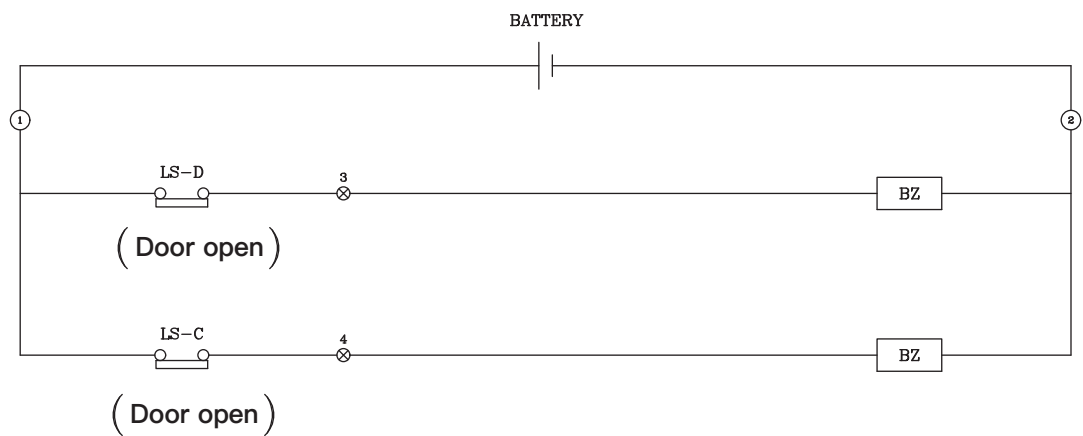
4-2 Specifications

Specification	
Model number	APB-666
Construction material	Main body : : steel sheet baking varnish, inner sheet: stainless steel 430
Interlock	There are mechanical locks, electric locks, and magnetic locks to choose.
Indicator	Indicator light and buzzer
Power supply	Mechanical lock, DC 6V (battery)
	Electric lock, magnetic lock, AC110Vac single-phase 50/60Hz
	Electric lock, magnetic lock, AC220Vac single phase 50/60Hz

Drawing



Electrical Diagram



Mechanical interlock

5. *Installation method*

5-1 Equipment installation

- When the equipment is transported to the pre-installation site, it is necessary to measure the size of the PASS BOX in advance, and open the position of the storage board pre-installed to the compartment. Usually the hole size must be larger than the length and width of the PASS BOX by 1 cm each. After the above actions are completed and the PASS BOX is placed in the opening position, push the fixed frame edges on both sides close to the library board, and place the library board and the PASS BOX body part. The screws are respectively tightened and fixed, and then SILCON is applied to seal the edges to prevent leakage, and the installation procedures are completed.

5-2 Precautions

- After completing the installation, you must repeatedly check and check whether the fixation is firm, and perform an on-site use test of the equipment. After confirming that there are no problems, you can use it.

6. *Operation method*

6-1 Action description

- The method of use of this device is that when the door on one side is opened, the alarm on the opposite side will sound to notify that the opposite door has been opened. This alarm will continue to sound when the door is open. Therefore, please close the door after delivery. OK, otherwise the beeping will continue.



Buzzer light indicator

| 6-2 Interlock description

- If the standard product of this device is equipped with "INTERLOCK (INTERLOCK) function", when one door is opened, the other door cannot be opened to avoid air flow between the two sides.

| 6-3 Types of door lock devices

- The common ones are mechanical locks, electric locks, and magnetic locks.



Mechanical locks

7. *Troubleshooting*

This simple transfer box, when using the PASS BOX device, please pay attention to its use method, do not apply too much force or strong impact to the device when opening and closing the PASS BOX door, which may cause damage to the PASS BOX. The more likely failure conditions are the loosening or falling of mechanical parts. Just check and tighten the screw fixings. If the handle breaks cannot be handled, please contact the dealer or our company's customer service department for the warranty period Will be processed in full.

8. *Maintenance*

| 8-1 General description

- Please keep the delivery box clean and wipe it clean with a dust-free cloth regularly. To prevent the transfer item from touching the glass window, please be careful when transferring items.
If there is a germicidal lamp (special specification) in the box, the opening and closing of the door and the lighting of the lamp are interlocked, so the germicidal lamp will not turn on when the door is open.

| 8-2 Battery

- Mechanical lock type, there is a repair cover inside the device, and 4 1.5V (No. 3 batteries) are concealed. The battery can be used for about 1 year, please replace it later.

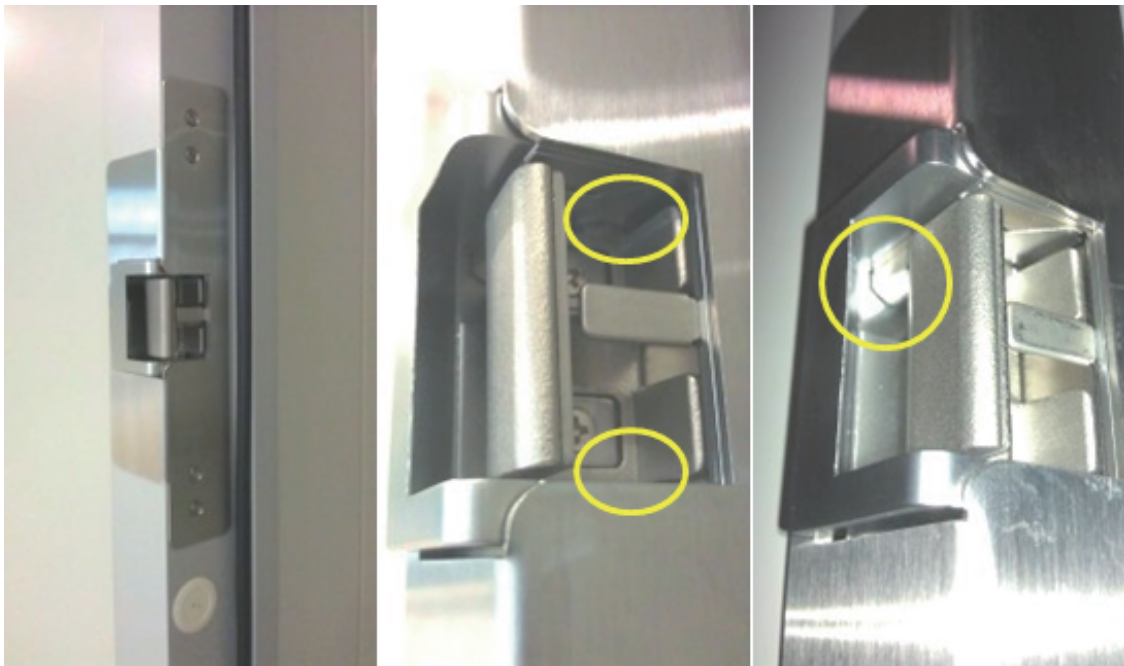
| 8-3 LOCKER maintenance

- If the door lock is an electric lock type, in order to ensure the normal operation of the equipment, please perform regular cleaning and maintenance and mechanism lubrication in the parts shown below.

Maintenance and lubrication position: 1. The upper and lower shafts in the electric lock 2. The inner slider of the electric lock.

Up and down shaft

At the slider



- Maintenance lubrication cycle: maintenance once every quarter.
Precautions for lubrication: Please use special lubricants for clean rooms.

9. *Contact method*

If you have any questions about AIRTECH equipment, please contact us through our website or call the customer service. We'll server you as soon as possible.

Address :

- Plant 1 : No.58-1, Guangfu Rd., Hsinchu Industrial Park, Hsinchu County 303-51, Taiwan
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