

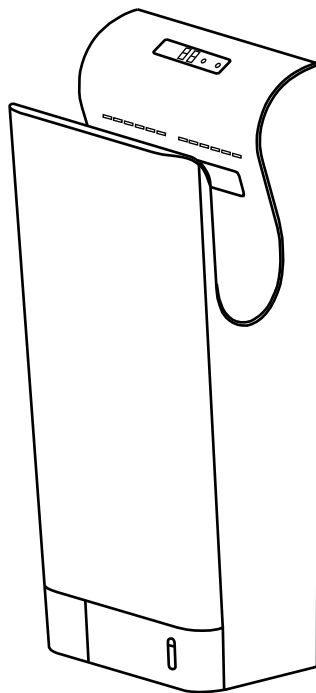


**158LAVHD20**

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# **HAND DRYER**

## **USER MANUAL**



Distributed by Lavex Janitorial  
2205 Old Philadelphia Pike  
Lancaster, PA 17602

- Do not attempt to install the unit yourself unless you are a trained service technician. Otherwise, this may affect the safety and proper functioning of the unit.
- Read this manual thoroughly and carefully before beginning to use the unit, ensuring safety and proper function. Please keep it well for later reference.

## Contents

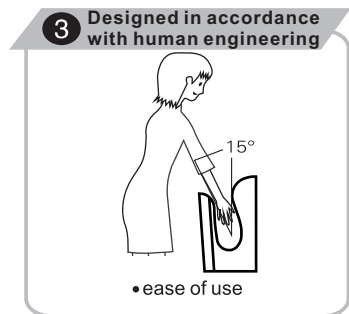
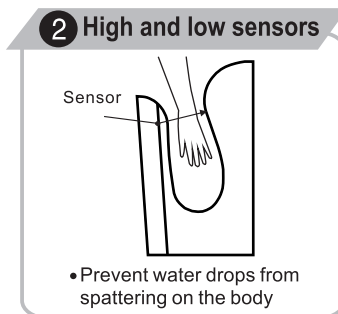
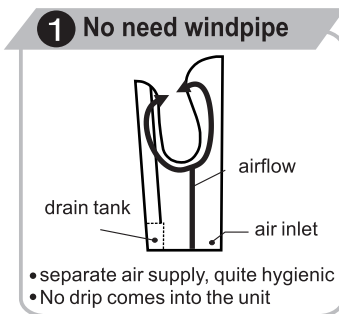
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## Features

- No touch hand drying ensures complete hygiene
- High speed drying technology provides electricity cost savings
- Provides cost savings over paper towels and is easily maintained
- Auto-stop function causes the hand dryer to cut off after 25 seconds
- This machine is equipped with an automatic heating system that adjusts heat according to external temperature. Provides optimal heat in all situations.

### Automatic cutoff timer

Automatic cutoff timer ensures unit power cutoff after 25 seconds of consecutive use.  
Remove and re-enter hands after 25 seconds if further drying is needed.



## Specifications

Rated voltage	AC120V~	Motor	Brushless DC motor
Input power	1700W	Induction method	IR blocking
Wind velocity	95m/s	Protection class	IPX4
Heating power	950W	Dimensions	300x215x700mm
		Net weight	10.4kg



## WARNING

Personal injury may be caused by improper use



Prohibited



Do not use in the bathtub or shower room



Do not allow the unit to get wet



Prohibit disassembling



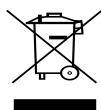
Please do complying with instruction



Ground



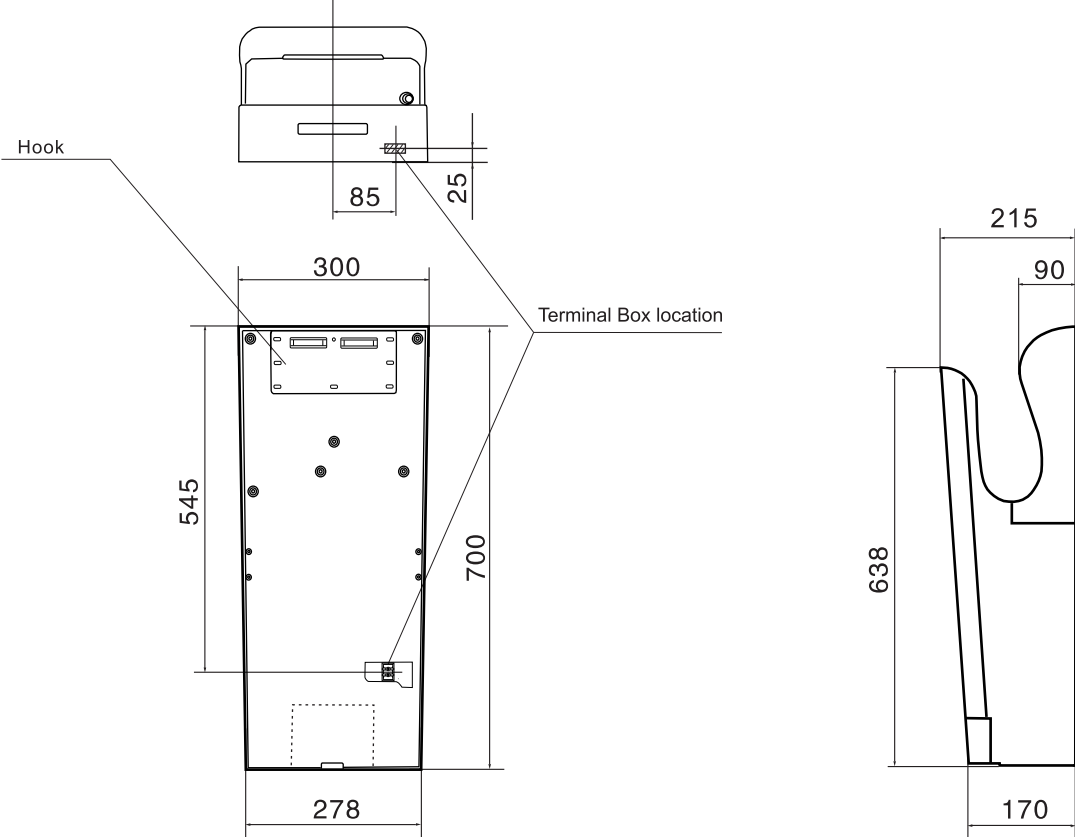
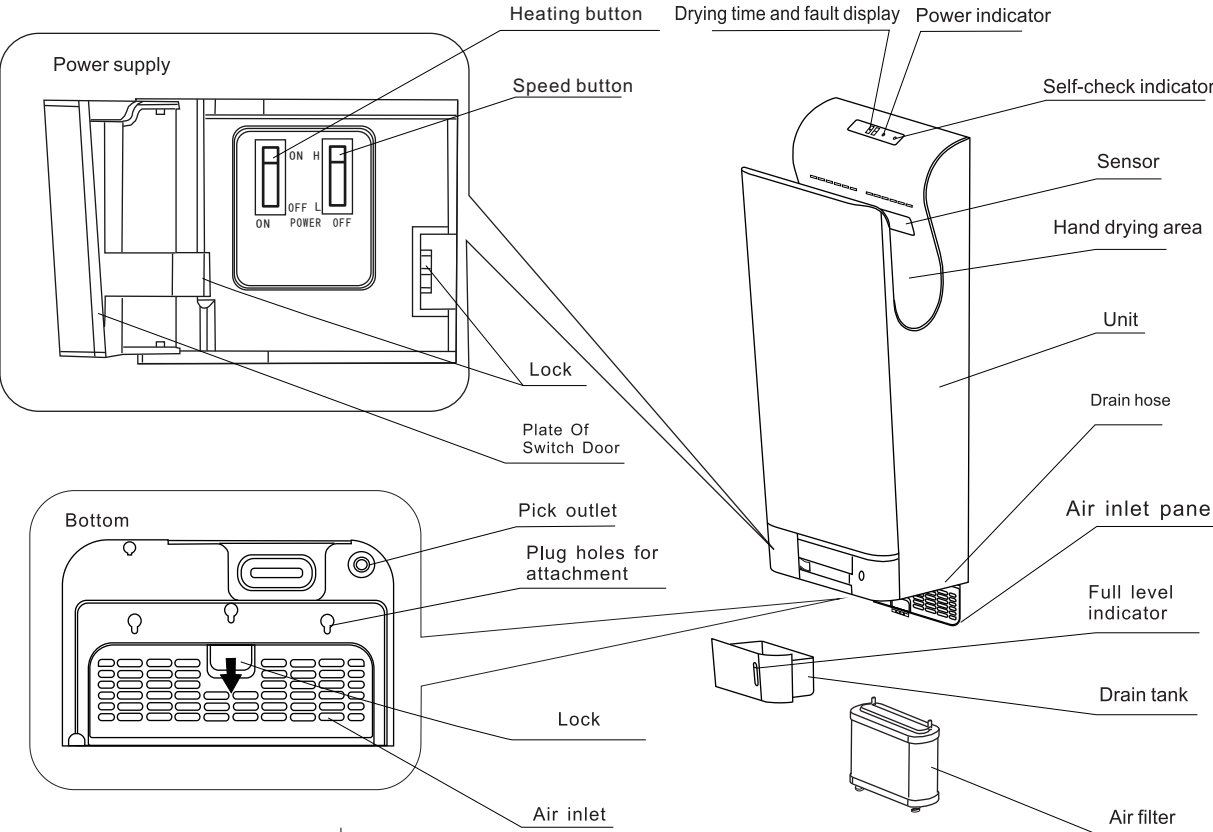
WARNING



- Do not open front panel during use, otherwise electric shock can be caused.
- Do not allow children to hang from the unit, or it may fall otherwise.
- Do not directly get water on the unit, this can cause electric shock and unit malfunction
- Do not modify and disassemble the unit unnecessarily. Otherwise, this may cause a fire, electric shock, or personal injury.
- Rated power is required.
- If power tolerance is over  $\pm 10\%$ , there will be breakdown. If using incorrect power supply, fire, electric shock and machine malfunction will happen.
- Please use dedicated socket. If using together with other appliances, the socket may cause abnormal heat leading to fire.
- Power to the unit must be cut off when performing maintenance to prevent the risk of electric shock.
- Drain tank and air filter must be installed. Do not switch on after power connected for 10 seconds.
- If the machine doesn't work or have abnormal conditions, please cut off power to prevent accidents; and close leakage circuit breaker and ask supplier to check and repair, or it may lead to fire because of electricity leakage and short circuit
- It may cause electric shock risk when the unit fails or leaks. electric shock risk when the unit failure or leakage
- Attention during installation. Ensure power is cut off during installation process
- Ensure all instructions are read and properly followed during installation in order to avoid potential shock and fire hazards
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. If the cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. For additional protection, the installation of a residual current device (RCD) having a rated residual operating current not exceeding 30mA is advisable in the electrical circuit supplying the bathroom. Ask your installer for advice.
- Please make sure the unit is equipped with HEPA during use, otherwise it will influence the service life of motor and main control board.
- **Environmental Protection**  
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



Parts name and dimension drawing

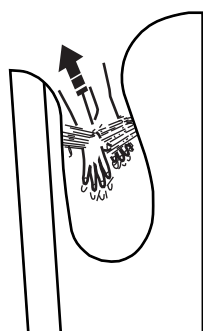




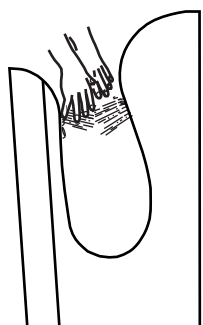
## ■ Using the Unit



- Stretch out both hands and insert them all the way in. The unit starts to run automatically.

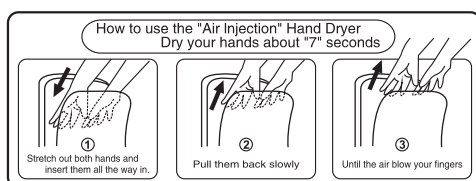


- Pull them out slowly, letting the air blow the water off.



- Pull them out completely.

## Usage Label



Usage label demonstrates proper hand dryer usage. This label can be placed in any visible area near the hand dryer if necessary.

## ◆ When using the unit

**Turn on the power switch.**

- The lamp lights up.
- The air inlet panel is closed.

# Routine Cleaning

## Cleaning the Unit body Before it gets obviously dirty

- Clean the unit with a soft cloth.  
If the unit gets very dirty, clean with a soft cloth dampened with neutral agent, then clean with a dry soft cloth.
- Remove the dirt from the sensor. (to prevent malfunction)



### Note

- Only use neutral cleaning agents.
- Do not use thinner, acidic or alkaline toilet cleaners, or nylon brush. (Otherwise, they may damage the smoothness of surface)
- Only use disinfectant to clean hand-drying area, keep away from other areas of the unit.
- If using disinfecting wipes, please read instructions first to avoid unit damage.



## WARNING



- Before you clean the unit, turn off the power switch.
- Do not splatter water on the unit



## Caution

- Wear gloves when cleaning.

■ Be sure that surfaces remain clean in order to ensure effectiveness of antibacterial coating

## Draining and Cleaning the drain tank Before it fills up (at least once a week)

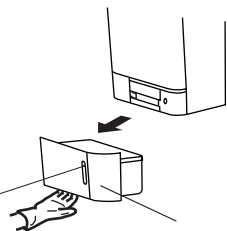
- The water blown off the hands is called “drain water”.
- Empty the drain water at any moment, in order to prevent accumulated water from exceeding the full level.
- It will start smelling if the accumulated water remains in the tank for too long time.

1

Pull the drain tank out in the horizontal direction.

This ensures the drain water does not splatter out.

Full level

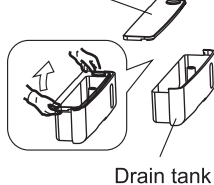


Drain tank

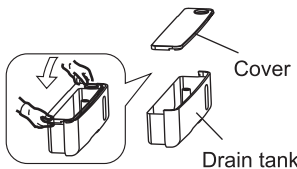
2

1. Open the cover and empty the water.
- Pull the cover up with your fingers in the two corners of the cover and then remove the cover completely.
2. Wash out the interior of the drain tank.
3. Close the water tank cover, and Re-attach it to the unit as original.

Cover



Drain tank



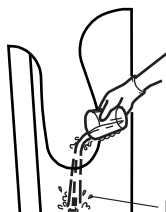
Cover

Drain tank

3

Add 200cc (around 1 cup) of water through the drain hole.  
(to prevent it from getting clogged)

- Use the unit after confirming that the water tank is in place.



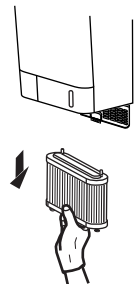
Drain hole

## Cleaning the air filter

semi-annually or when the wind speed decreases obviously

### Remove the air filter

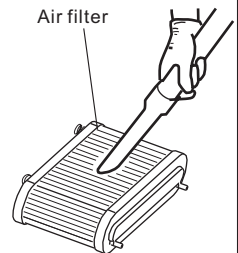
- Open the air inlet panel
- Pull the air filter out by the handle.



1

### 1. Cleaning the air filter

- Beat it lightly by hand or use a vacuum cleaner.
- Air filter can directly be cleaned with water. Re-use after it is completely dry.



Air filter

### 2. Re-attach to the unit.

- insert it all the way in, until it stops. (If it is not in place, the dirt or dust will enter the unit and shorten its service life.)

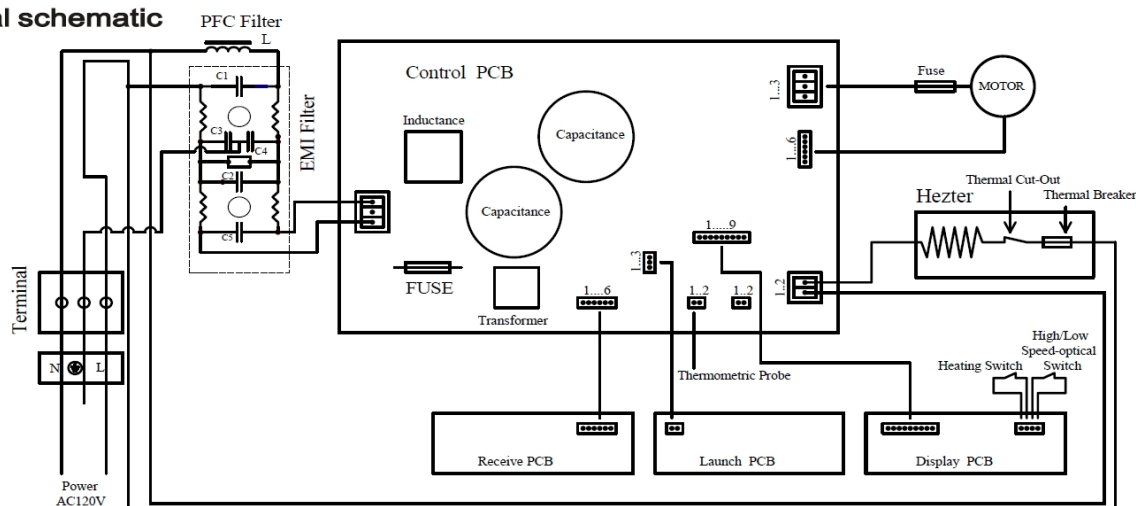
## Trouble shooting、electrical schematic

If you discover the following circumstances, inspect the unit and take the following actions:

Problem	Check	Action
No air blows even if hands are inserted	<ul style="list-style-type: none"> <li>Are the display indicator lights on?</li> <li>Is the power switch on?</li> <li>Are you putting your hands all the way in?</li> </ul>	<ul style="list-style-type: none"> <li>Turn the ground-fault circuit breaker on.</li> <li>Turn the power switch on.</li> <li>Put hands all the way in .</li> </ul>
Machine works long time after hands drawn out, finally shows E2	<ul style="list-style-type: none"> <li>Any dirt or foreign body on sensor?</li> </ul>	<ul style="list-style-type: none"> <li>Switch the power button to the off position, then remove dirt or foreign objects from sensor after power light has gone out. Switch power button back to the on position when finished.</li> </ul>
Air blown from the unit is not hot	<ul style="list-style-type: none"> <li>There is a Built-in heater in the unit. Any dirt on heating sensor?</li> <li>Checking if the internal heating fuse is burned?</li> </ul>	<ul style="list-style-type: none"> <li>Is the ambient temperature higher than 77°F?</li> <li>Turn off the power switch, removing the front panel and you will see a fuse holder inside . Unscrew the fuse holder and check if the fuse is burnt.</li> </ul>
Airflow is too low	<ul style="list-style-type: none"> <li>Is the speed button on low level?</li> </ul>	<ul style="list-style-type: none"> <li>Put speed button on the high level.</li> </ul>

If the above actions do not work, turn off power and ground-fault circuit breaker, and contact distributor for warranty information.

### Electrical schematic



	Status	Introductions	Status	Introductions	Solution
Power indicator light	Light	Power input normally	Extinguish	Power not supply	Check the external power source, close the power switch
State indicator light	Extinguish	Don't work	Flashing light	Master board fuse blew out	Check motor connecting wires and the rotor foreign material
	always light	Working		Motor fault, it can't start normally	
Timing digital tube	Digital changes	Countdown work	Jump display	Indicate drying time finished	
	E1	Motor fault, it can't start normally	E2	Trick or working time longer than 25 seconds	Clear workspace foreign material, restart to work
	E3	The voltage exceeds 15%	E4	The voltage lower than 15%	Check the power supply circuit
	E5	Machine temperatures higher than 80℃	E6	Master board temperatures higher than 80℃	Clear the foreign material of the air inlet and air outlet
			E8	Fan fault	Check whether the Fan sensor connect is loosen

# Precautions before installing

## ■ Do not install in the following types of location, otherwise this may cause malfunction:

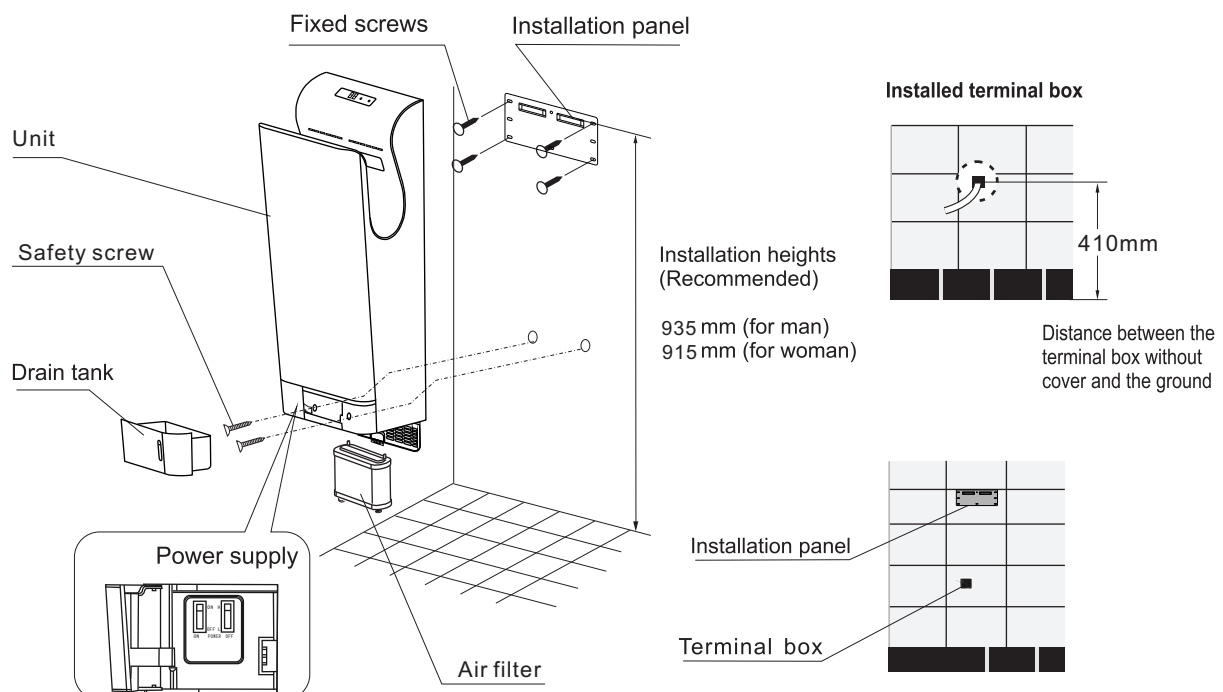
- Places where temperature is under 14°F or over 104°F.
- Places that are directly sprinkled with water.
- Places with direct sunlight, or strong light.
- Places that can cause condensation buildup.
- Places where corrosive, neutral, or reductive gases are present.
- Places lower than -20m or higher than 2000m above sea level.

## ■ Installation location

- Install somewhere the unit will be easy to use, as shown in the figure.  
If the unit is installed too low, water may get on it when the floor is being cleaned.
- The space between the base and floor or obstacles must be more than 150 mm, because the power operating part is at the bottom of the unit.
- Ensure there are no mirrors or walls near the two sides, as drops of water may splatter to the right when drying hands. (Recommended distance is at least 100 mm).
- Avoid locations where people or doors might bump into the unit.
- Choose a completely flat surface on the wall to install the unit.

## ■ Recommended Electrical Installation

- The unit uses electricity by connecting to power line, please install embedded junction box without cover; as shown in the figure below.



■ Use a single-phase alternating rated voltage supply. (Not to be used with a power supply exceeding rated voltage $\pm 10\%$ .)

■ Use a power cord which is between 2mm<sup>2</sup> and 2.5mm<sup>2</sup> thick.

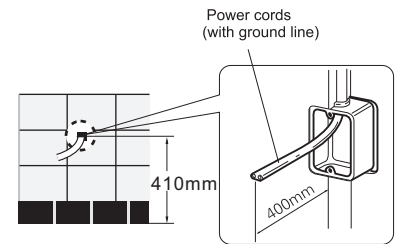
(A drop in voltage is possible if the power cord exceeds 11 m in length, so we recommend using a 2.5mm<sup>2</sup> cord.)

## 1

### Wire the unit.

Embed the switchbox in the installation location (1 switchbox no cover) and wire the power cord (with the green and yellow combined is ground line).

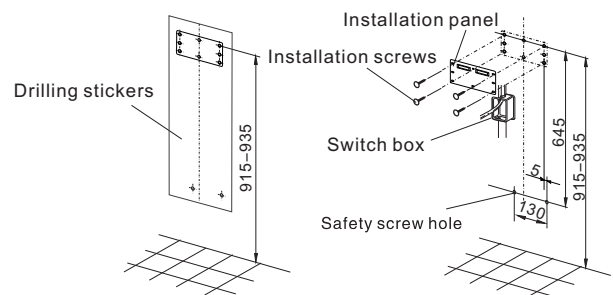
- If no switchbox is used, the power cord will be pushed out, and prevent the unit from being installed firmly against the wall.



## 2

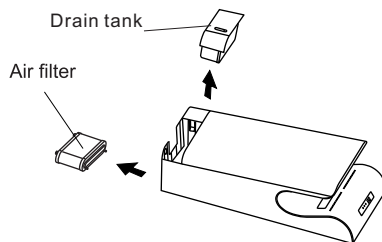
### Attach the installation panel to the wall using the 4 installation screws.

- If the wall is concrete, use commercially available metal screw plugs (curl plugs, etc.).
- If the wall is not concrete, reinforce it before installation.
- Paste the drilling stickers into the wall as pictured, drilling according to the holes.
- Put the expansion pipe into the hole, and fix the mounting plate as pictured.

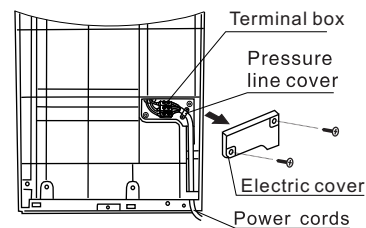


## 3

### 1. Pull out drain tank and air filter



### 2. Unscrew the 2 screws on the electric cover and open the cover

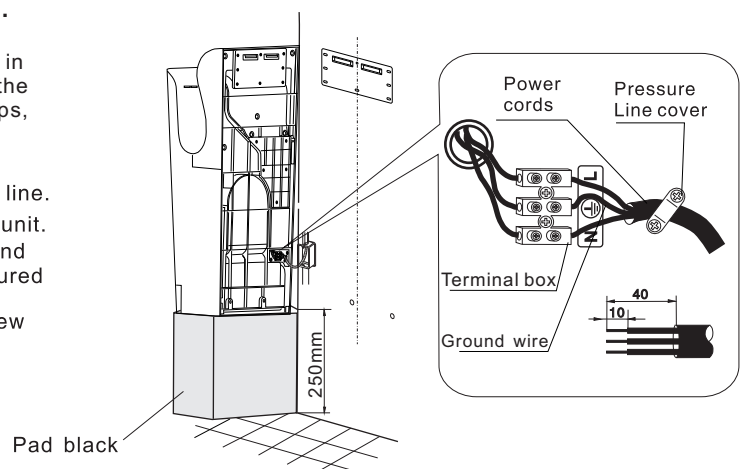


## 4

### Connect power line to unit and secure.

- Elevate the unit to a height of about 250mm in order to bring the wall and unit junctions to the same height. According to the following steps, connect power cord to unit terminal blocks.

- (1) Take off the insulating layer of the power line.
- (2) Connect power line to terminal blocks of unit.
- (3) Tighten the screws on the terminal box and pull the powercord to make sure it is secured firmly.
- (4) Fix the power line into the unit by the screw and pressure line cover.

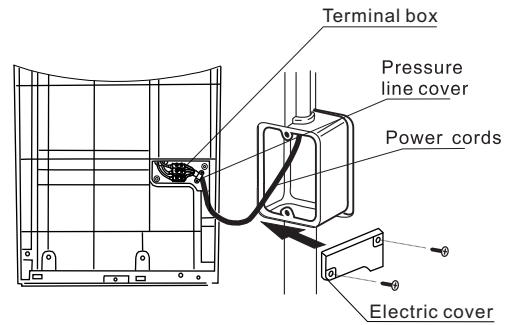


# Installation Procedures

5

## Install the terminal block cover

- (1) Put the terminal block cover on the terminal block and fix it with install screws.
- (2) Ensure the power lines get through the cabling channel and the terminal block cover is flat after installed.

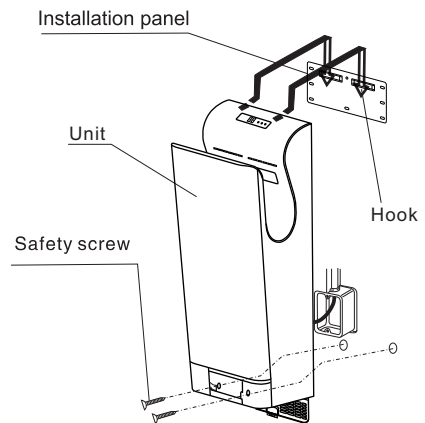


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## Hang the unit

- (1) Secure power lines and place any excess in terminal box on wall.
- (2) Hang the pothook on the back of the unit into the hanging trough of the install panel and ensure the unit hung stably and close to wall.
- (3) Install the anti-theft screws for the unit (2pcs)

Note: If the anti-theft screws are not installed with the unit, it may be removed from the wall and stolen.



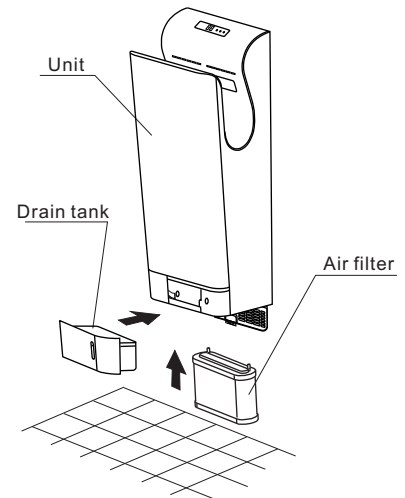
7

## 1. Install the air filter

- Push the air filter up into the unit totally, then close the air inlet door and lock it with the knob lock.

## 2. Install the drain tank

- Push the drain tank into the unit as the diagram showing.



## Test Run

	Step	Check
1	Check the voltage of power supply	Ensure that voltage of power supply matches rated voltage of the unit.
2	Turn the ground-fault circuit breaker on	
3	Turn the power switch on	Dose the lamp light up?
4	Dry hands	Is the air blowing?
5	Observe during operation	Ensure that the unit is installed firmly, and does not vibrate or create abnormal noises while in use.

\* Do not turn the unit power switch on with your hands inside.

## Packing List

Unit .....	1
Mounting plate .....	1
5mm Expansion pipe .....	6
5x25 Self-tapping screw .....	6
User Manual and Packing List .....	1
Method of use figure .....	1
Drilling stickers .....	1

