


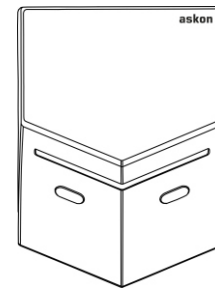
Precautions:

- 1) Do not use abrasive cleaning chemicals to clean the hand dryer. 
- 2) Do not use the hand dryer for any other purpose than drying hands.
- 3) If there is any dangerous malfunction of the hand dryer, immediately switch off the power supply. Only qualified electricians should handle the unit in such a scenario.
- 4) While in operation, do not block the air inlet / outlet of the hand dryer. This can cause the hand dryer to overheat and malfunction.
- 5) Only a qualified technician should repair the hand dryer with genuine spare parts. If you need to replace any spare part, please do so only in accordance with this manual or any product or spare part warranty will be null and void.

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INSTALLATION AND INSTRUCTION MANUAL FOR ASH-VJ Series HAND DRYERS



MODELS

- 1) ASH-VJ (G)
- 2) ASH-VJ


- Please check status of air filters every 3 months
- Replace air filters every 12 months or earlier depending on usage
- Carefully read the Maintenance Instructions to prolong the operational life of hand dryers

Note to Installer : Please give this manual to the end user after installation for better performance and maintenance of hand dryers.

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Maintenance instructions:

- 1) Before performing any maintenance instructions, switch OFF the power supply and remove the power supply cord.
- 2) The hand dryer collects dust that is present in the air  depending upon the surroundings. The filters located on both sides of the hand dryer, which are easily visible from outside through the grills, should be periodically replaced depending upon the usage.

The filters should be monitored every 3 months to check if they need to be replaced. The filters should be replaced every 12 months or sooner depending upon the usage. If the top surface of the filters have turned black with accumulation of dust then they should be replaced irrespective of the time from last replacement. It is not recommended to clean the filters and use them again. Operating the hand dryer with dirty filters can cause the motor to overheat and malfunction in absence of good air flow. **Product warranty will not be applicable in case of such malfunction.**

- 3) Use a soft-medium bristle brush to clean the dust and debris from the filter slots on both the sides and from the V shaped air outlet slot. If required remove the outer cover as described earlier for general cleaning and maintenance. After cleaning, fit the outer cover and install the hand dryer.
- 4) Hand dryer cover should be cleaned with a moist cloth followed by a dry cloth. Water should not drip from the cloth or water ingress can cause malfunction.
- 5) Prior to washing the walls near the hand dryer with a hose or high pressure pump, it is highly recommended to uninstall the hand dryer from the wall.
- 6) Proper training of the maintenance staff is very essential for ensuring proper functioning and long service life of the hand dryer.

Details of wire connections:

A1 - White wire from the motor

A2 - Black wire from the motor

A3 - Black wire from the terminal strip

A4 - Red wire from the terminal strip

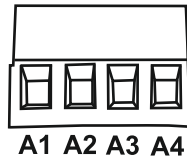


Fig. 8

PCB Mounted Terminal Connector (Green)

Important Safeguards

(For your safety, please follow the instructions below)

Read these Important Safeguards thoroughly before using the hand dryers and follow the precautions carefully.

Warning Ignoring these symbols may cause system to malfunction or not install correctly


The items of observation are classified and described as below:

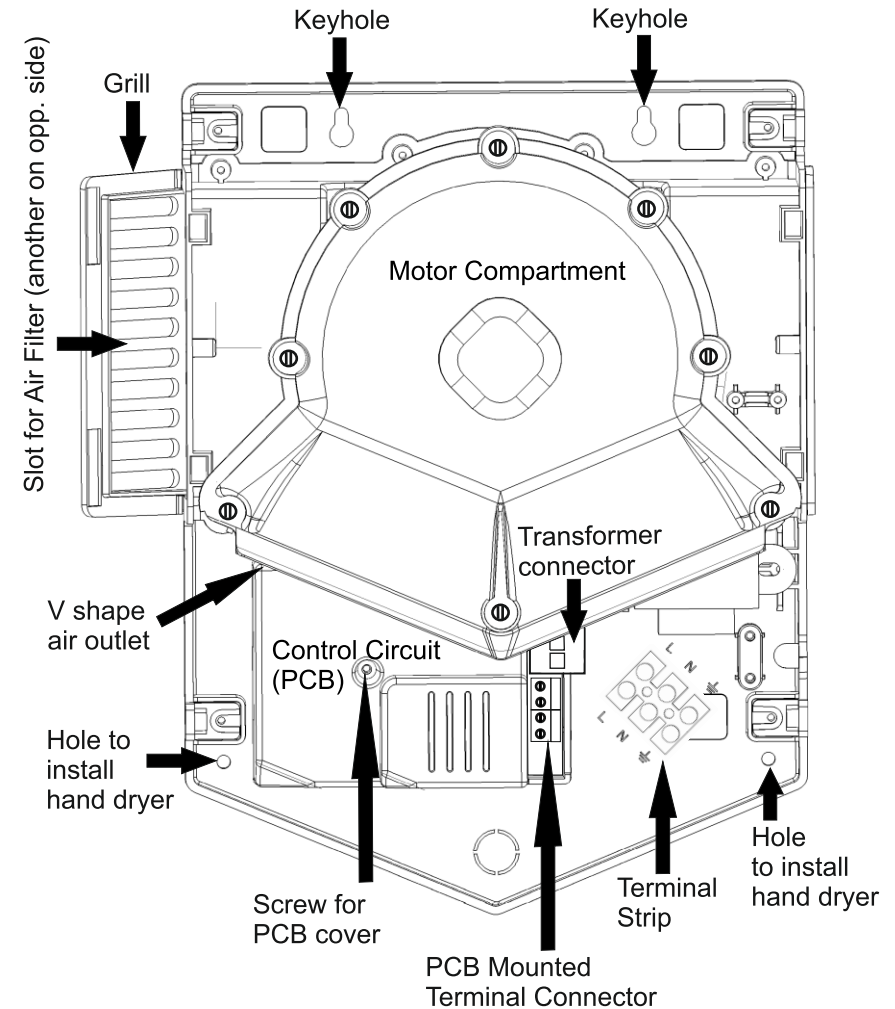
	Absolutely "DO NOT"		Do not install the product in high humidity area such as a shower area or sauna
	Do not disassemble		

Warning			
	Never splash water on the hand dryers. <i>Hand dryer is an electrical appliance. This may cause product malfunction.</i>		
	Do not strike or kick the hand dryer. <i>This may cause product malfunction.</i>		
	Do not use the hand dryer at temperatures exceeding what local codes allow. <i>This may cause product malfunction.</i>		
	Do not install the hand dryers in a room with high humidity such as shower area or sauna. <i>This may cause product malfunction.</i>		
	Never attempt to disassemble, reassemble or modify the hand dryer unless you are a trained electrician. <i>This may cause product malfunction or electric shock.</i>		

Recommended Mounting Height from the floor to the bottom of hand dryer	
Men's Washroom	95 cm
Women's Washroom	85 cm
Handicap Washroom	65 cm

Installation Instructions:

- 1) Use the above table to determine suitable mounting height.
- 2) Select a mounting location such that there is no reflective surface or object directly underneath the hand dryer. The minimum distance from the bottom of the hand dryer to any surface should be 18 inches. When two or more hand dryers are installed next to each other, they should be spaced 24 inches apart.
- 3) Place the installation template (provided) on the wall at a suitable mounting height and drill four holes as per the template.
- 4) Fix screws (provided) in the wall for the two keyholes of the hand dryer (Refer Fig.7). Keep the screw heads about 7-8 mm away from the wall.
- 5) Remove the outer cover as described on Page 5. Hang the hand dryer with the keyholes on the wall. Gently tighten the screws in the keyholes to firmly secure the hand dryer. Also fit screws in the two bottom holes of the base plate as shown in the Fig. 7.
- 6) Use a **three pin socket of 6 Amps or more** for power supply to the hand dryer for proper functioning and safety of the users. 
- 7) Make sure the wiring is compliant with the local building codes to safely support an appliance of this rated power.



Internal View

Fig. 7

How to replace the control circuit (PCB):

- 1) Switch OFF the power supply and unplug the power supply cord. Remove the outer cover as described previously.
- 2) Once the outer cover is completely detached, remove the PCB cover screw. Remove the wires from the PCB mounted terminal connector (Refer Fig. 7). Unplug the transformer connector from the PCB.
- 3) Remove the screws that fit the PCB to the hand dryer base plate. Remove the faulty PCB and replace with a new one. Fit the screws removed earlier to secure the PCB in its place.
- 4) Fit the four wires back to the PCB mounted terminal connector in their correct positions and fit the transformer connector (Refer Fig. 8).
- 5) Fit the outer cover and install the hand dryer on the wall.
- 6) Switch ON the power supply and verify the hand dryer is working properly.

How to use the hand dryer:

- 1) Shake off excess water on the hands.
- 2) Move both hands simultaneously through high speed air blade drying both sides of the hands.
- 3) Do not overlap hands while moving them through the high speed air blade.

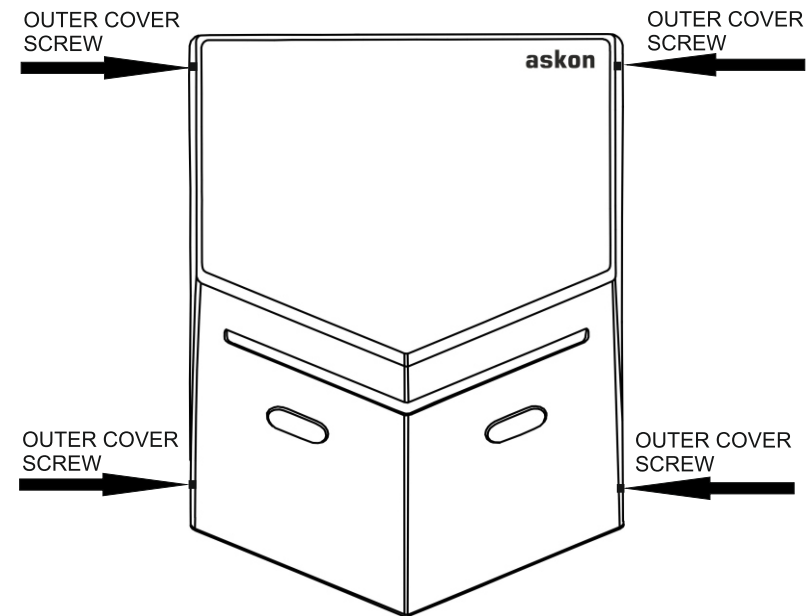


Fig.1

How to remove the hand dryer outer cover:

- 1) Switch off the power supply and unplug the power cord.
- 2) Remove the hand dryer from the wall and place it on a table with the cover facing upwards as shown in above figure.
- 3) Remove the four screws located on the side of the hand dryer as shown in above figure.
- 4) Gently lift the outer cover and unplug the connectors of both the sensor modules. Outer cover is now detached. The sensor modules remain fitted to the outer cover.

How to replace the Sensor Module:

- 1) Follow the procedure mentioned under 'How to remove the hand dryer cover'.
- 2) The sensor module is fitted to the outer cover with a top ring and bottom ring as shown in Fig. 2.
- 3) The sensor module has two notches as shown in Fig. 3.
- 4) After the outer cover is completely detached, take a small flat head screw driver and put it between the top ring and sensor module as shown in the Fig. 4. Pull it up to dislodge the top ring from the sensor module. It is ok for the top ring to bend or twist during this process.
- 5) Once the top ring is removed, the sensor module will be completely detached from the outer cover. Replace the old sensor module with a new one. Push the sensor module from outside to hold it in its place while fixing it.
- 6) First put the bottom ring over the sensor module. Then fit the top ring in the top notch on one side and press it from the other side as shown in Fig. 5. The top ring will be locked in the top notches on both the sides of the sensor module.
- 7) Press the top ring once again on both sides as shown in Fig. 6 so that the top ring will be locked in the bottom notches and the sensor module will be firmly locked in its place.
- 8) Fit the sensor connector.
- 9) Fit the outer cover and install the hand dryer.

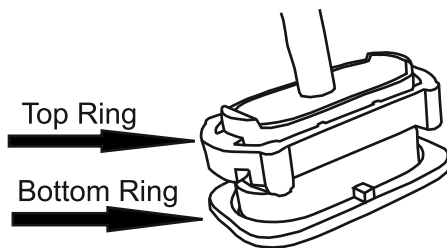


Fig. 2

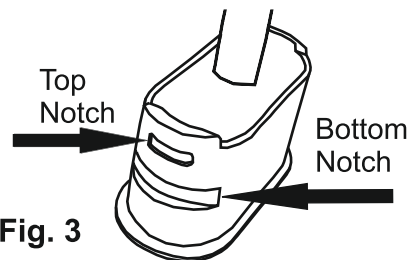


Fig. 3

Sensor Module



Fig. 4

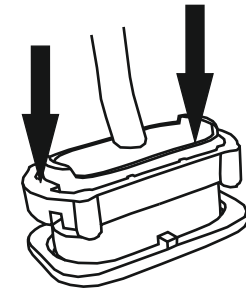


Fig. 6

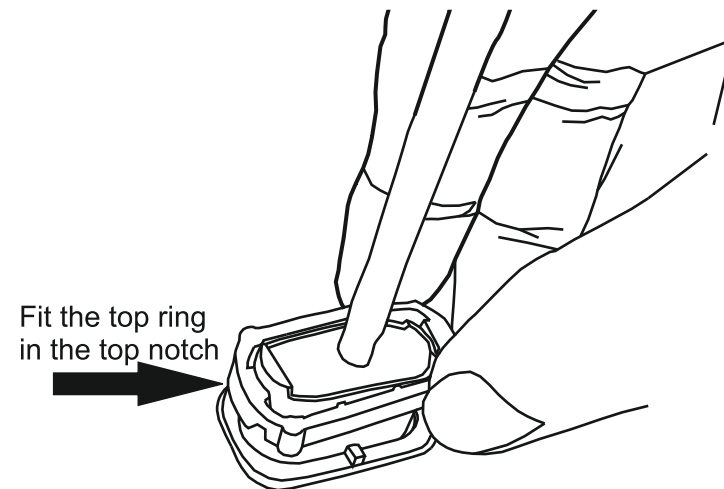


Fig. 5