

## Precautions:



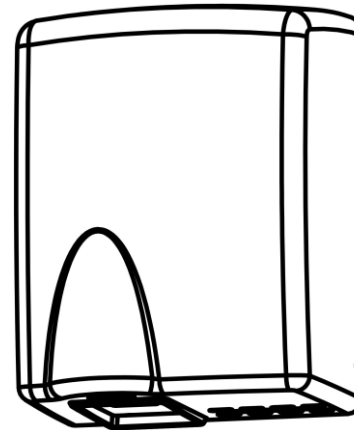
- 1) Do not use cleaning chemicals to clean the hand dryer outer cover. Special care needs to be taken for Stainless steel covers as they can be damaged with chemicals leading to discolouration or etching. Make sure to clean outer covers with only moist cloth followed by a dry cloth. No cleaning chemicals are required to clean outer covers.
- 2) Before touching the hand dryer, please make sure the plug is removed from the power supply socket.
- 3) Do not use the hand dryer for any other purpose than drying hands.
- 4) 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.
- 5) While in operation, do not block the air inlet / outlet of the hand dryer. This can cause the hand dryer to overheat and malfunction.
- 6) 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 AS-45-G2-PRO Series HAND DRYERS**



### MODELS

- 1) AS-45-G2-PRO-SB
- 2) AS-45-G2-PRO-SM
- 3) AS-45-G2-PRO-W
- 4) AS-45-G2-PRO-PW

***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:

The hand dryer may collect dust that is present in the air. It should be cleaned periodically to maintain it in good operating condition. The air filter should be replaced once a year. Cleaning the hand dryer once a year is recommended.

To clean the hand dryer:

- 1) Switch OFF the power supply and remove the power supply cord.
- 2) Remove the outer cover as described on Page 5.
- 3) Use a soft-medium bristle brush to clean the dust and debris from the air intake slots located on the bottom of the outer cover and the back plate of the hand dryer.
- 4) Gently remove the dust accumulated inside the hand dryer with the brush taking care not to damage the components or disturb the wiring inside the hand dryer. Do not use excessive force.
- 5) If required, an air blower can be used to gently blow off the dust.
- 6) Replace the old air filter as explained on Page 7 with a new filter. Fit the outer cover back in its place and install the hand dryer.
- 7) Hand dryer outer cover should be cleaned with a moist cloth followed by a dry cloth.
- 8) 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.
- 9) Proper training of the maintenance staff is very essential for ensuring proper functioning and long service life of the hand dryer.

6) Reconnect the connectors for the positions E, F & G. Positions C & D connects to the black and red wires from the terminal connector respectively. Position A gets the red wire from the load side of the solid state relay. The last loose black wire goes into position B (which comes from hanging three way wiring connector). The positions of two black wires in B & C can be interchanged.

7) Fit the control circuit board lid in its place. Fit the hand dryer outer cover. Do not forget to fit the earthing wire for metal outer covers as it is essential for the safety of the users.

8) Install the hand dryer on the wall and switch ON the power supply and verify if the hand dryer is working properly.


### How to use the hand dryer:

- 1) Shake off excess water on the hands.
- 2) Place your hands below the sensor at a distance of 3-4 inches.
- 3) Rub your hands gently in the hot air till the hands are dry.




# Important Safeguards



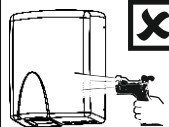

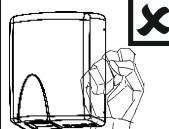

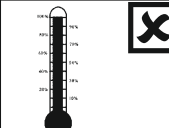


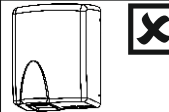


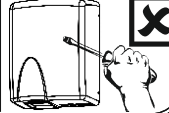

(For your safety, please follow the instructions below)

**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		

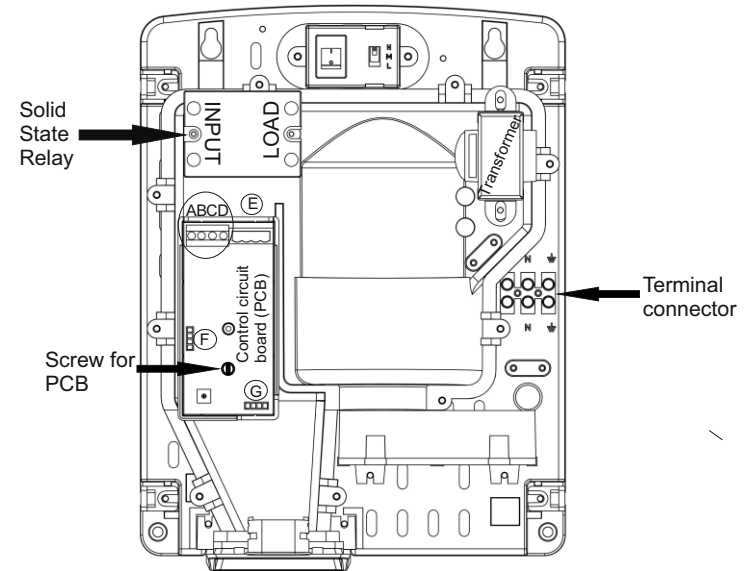
 <b>Warning</b>			
	Never splash water on the hand dryers. <i>Hand dryer is an electrical appliance. This may cause product malfunction.</i>		
	Do not strike or kick the hand dryer. <i>This may cause product malfunction.</i>		
	Do not use the hand dryer at temperatures exceeding what local codes allow. <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:**

Recommended Mounting Height from floor to the bottom of the hand dryer	Inches
Men's Washroom	46
Women's Washroom	44
Handicap Washroom	37

### **Installation Instructions:**

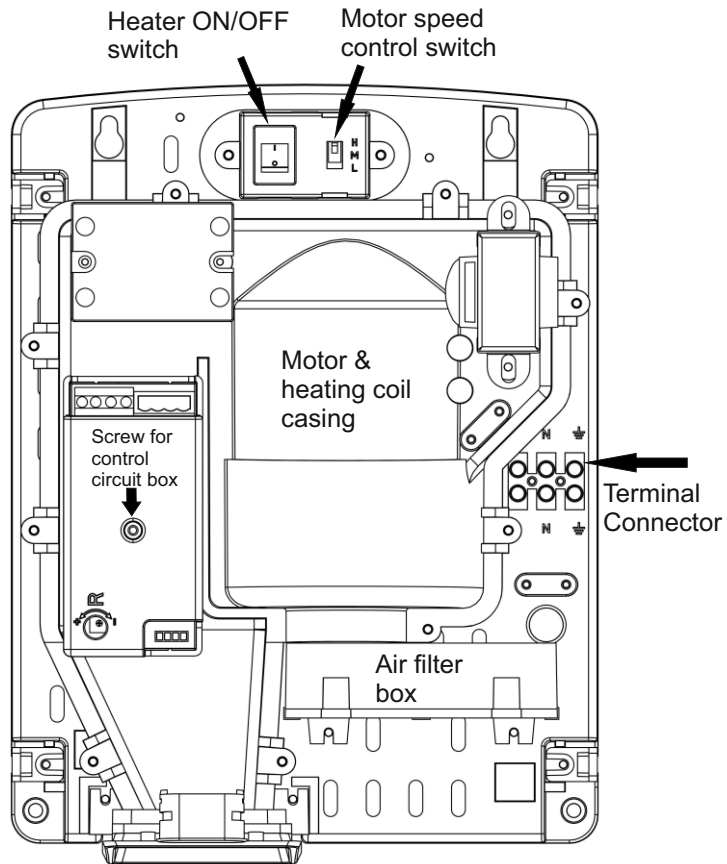
- 1) Use the above table to determine suitable mounting height.
- 2) Select a mounting location such that there is no reflective surface or object directly underneath the hand dryer. The minimum distance from the bottom of the hand dryer to any surface should be 18 inches. When two or more hand dryers 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 holes as per the template.
- 4) Fix the plastic plug and screws (provided) in the wall. Keep the screw heads about 5 mm away from the wall.
- 5) For models with metal cover, hang the hand dryer on the wall with the help of keyholes in the back plate (Refer Fig. 1). For model with plastic cover, open the outer cover. Hang the hand dryer on the wall with keyholes and fit two screws in the bottom holes as indicated in the Fig.1 to firmly secure the hand dryer on the wall. Fit the outer cover back in its place.
- 6) Plug the supply cord into a **15 Amps socket** to power 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.



**Fig. 11**

### **How to replace the control circuit (PCB):**

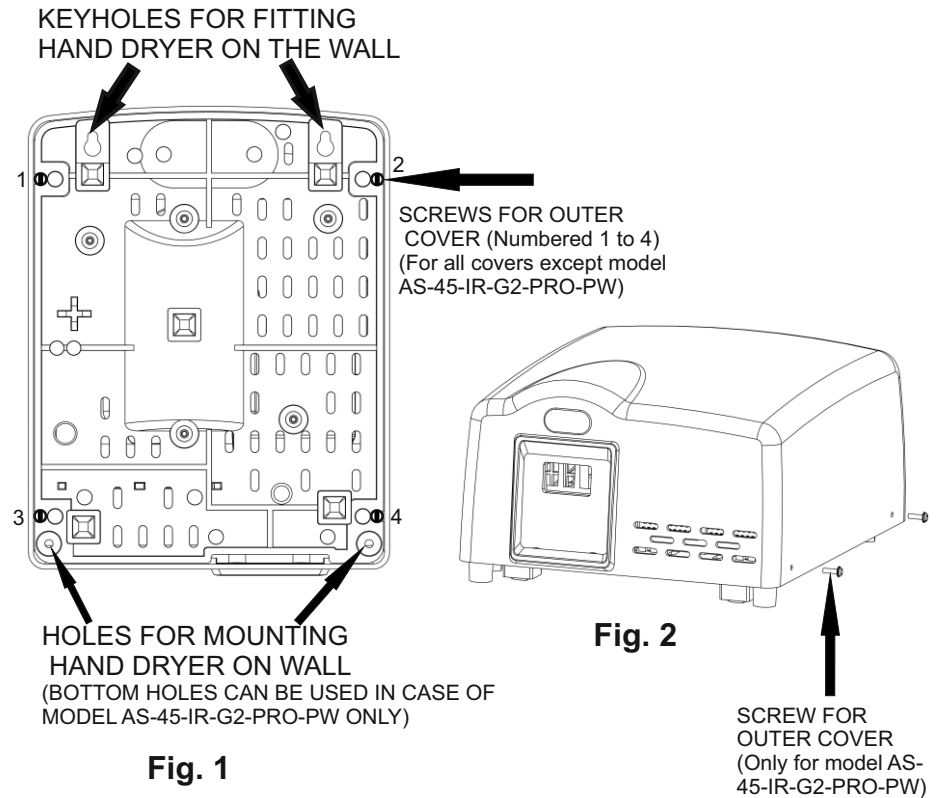
- 1) Switch OFF the power supply and unplug the power supply cord. Remove the outer cover as described previously.
- 2) Remove the screw of the control circuit box lid and remove it.
- 3) Letters from A to G in Fig. 11 above denotes the various wire connections which will be explained below to help change the control circuit board (PCB) easily.
- 4) Unplug the transformer connector from location E. The wires from location F & G have hanging connectors in the wires which have to be unplugged. Remove the two red and two black wires from positions A to D by unscrewing them.
- 5) Remove the PCB screw to remove the PCB from its box and replace it with a new PCB.



**Fig. 10**

**Adjusting motor speed and switching heater ON/OFF:**

- 1) Remove the outer cover as explained on Page 5.
- 2) To adjust the motor speed, adjust the switch to H (High), M (Medium) and L (Low) positions as indicated in Fig. 10 to change the motor speed accordingly. Factory setting is H (High) position.
- 3) To switch the heater ON or OFF, toggle the switch between 1 or 0 positions as indicated on the switch. 1 refers to ON and 0 refers to OFF positions of heating coil. Factory setting is heater ON.



**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 back plate facing upwards as shown in Fig. 1.
- 3) Remove the four screws located at the back of the hand dryer as shown in Fig. 1. For model with plastic cover (Model AS-45-IR-G2-PRO-PW) the screws are located on the sides as shown in Fig. 2
- 4) Turn the hand dryer so cover is facing upwards and gently lift the cover. Unplug the connector of the sensor module. Remove the earthing wire for metal covers. The outer cover is now detached. The sensor module remains fitted to the outer cover.

### How to replace the Sensor Module:

- 1) Follow the procedure mentioned under 'How to remove the hand dryer cover' to remove the hand dryer outer cover.
- 2) The sensor module is fitted to the outer cover with a top ring and bottom ring as shown in Fig. 3
- 3) The sensor module has two notches as shown in Fig. 4
- 4) Take a small flat head screw driver and put it between the top ring and sensor module as shown in the Fig. 5. 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) 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. 6. 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. 7 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.

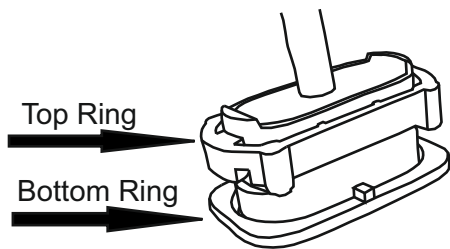


Fig. 3

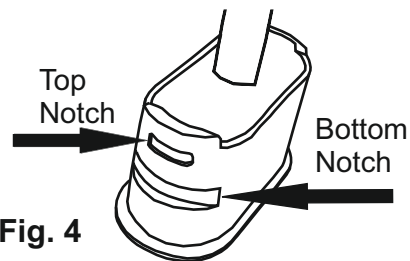


Fig. 4

Sensor Module

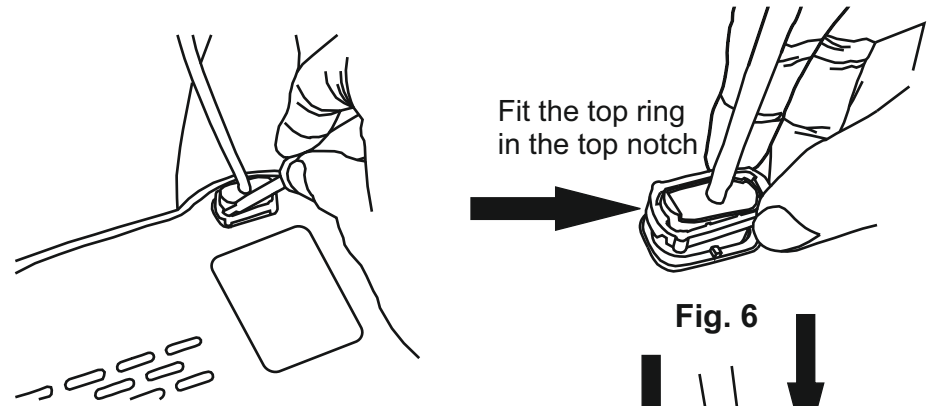


Fig. 5

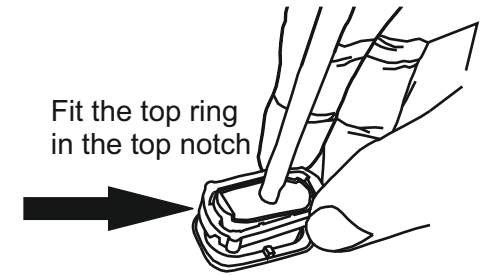


Fig. 6

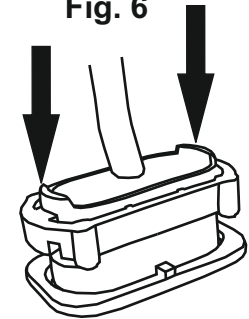


Fig. 7

### How to replace the air filter:

- 1) Follow the procedure mentioned under 'How to remove the hand dryer cover'
- 2) Once the outer cover is removed, remove the screws for the air filter grill as shown in Fig. 8.
- 3) Slide the grill up as shown in Fig. 9 to remove the grill. Replace the old filter with a new filter and fix the grill back in its place.
- 4) Fit the outer cover back and fit the hand dryer on the wall.

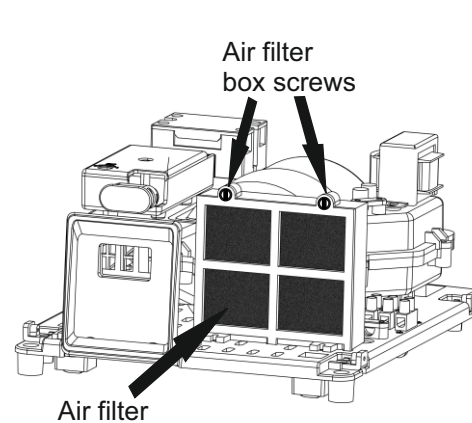


Fig. 8

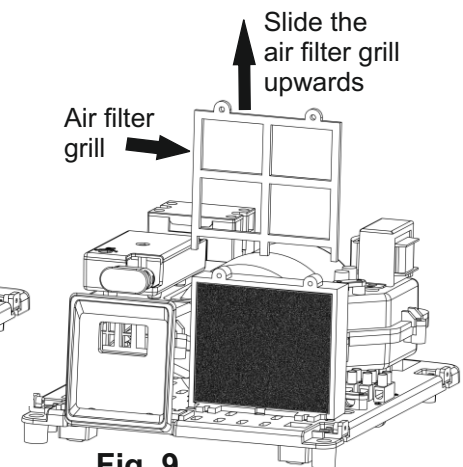


Fig. 9