

## Precautions:



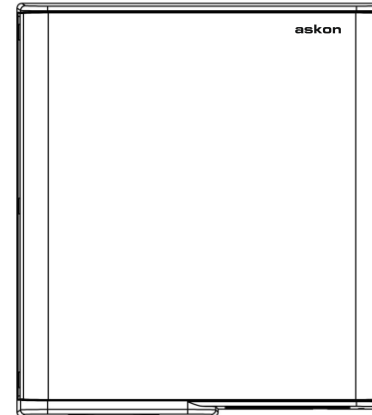
- 1) Do not use abrasive cleaning chemicals to clean the hand dryer outer cover.
- 2) Before touching the hand dryer, please make sure the plug is removed from the power supply socket.
- 3) Do not use the hand dryer for any other purpose than drying hands.
- 4) If there is any dangerous malfunction of 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.

# askon

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## INSTRUCTION AND INSTALLATION MANUAL FOR HAND DRYERS



### MODELS

- 1) AS 65-IR (SF)
- 2) AS 55-IR (SF)
- 3) AS 55-IR (W)
- 4) AS 35-IR (SF)
- 5) AS 35-IR (W)

***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. 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) If required remove the outer cover as described earlier.
- 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) Check the blower assembly for accumulation of dust. Gently remove the dust with a brush taking care not to damage the heating coil and components like the thermal cut-off and thermal fuse. Do not use excessive force.
- 5) If required, an air blower can be used to gently blow off the dust from the blower assembly.
- 6) After cleaning, fit the outer cover back in its place and install the hand dryer.
- 7) Hand dryer cover should be cleaned with a moist  cloth followed by a dry cloth. Water should not drip from the cloth or it can damage the internal electronic components of the hand dryer.
- 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 essential for ensuring long service life of the hand dryer.

## Explanation of wire connections:

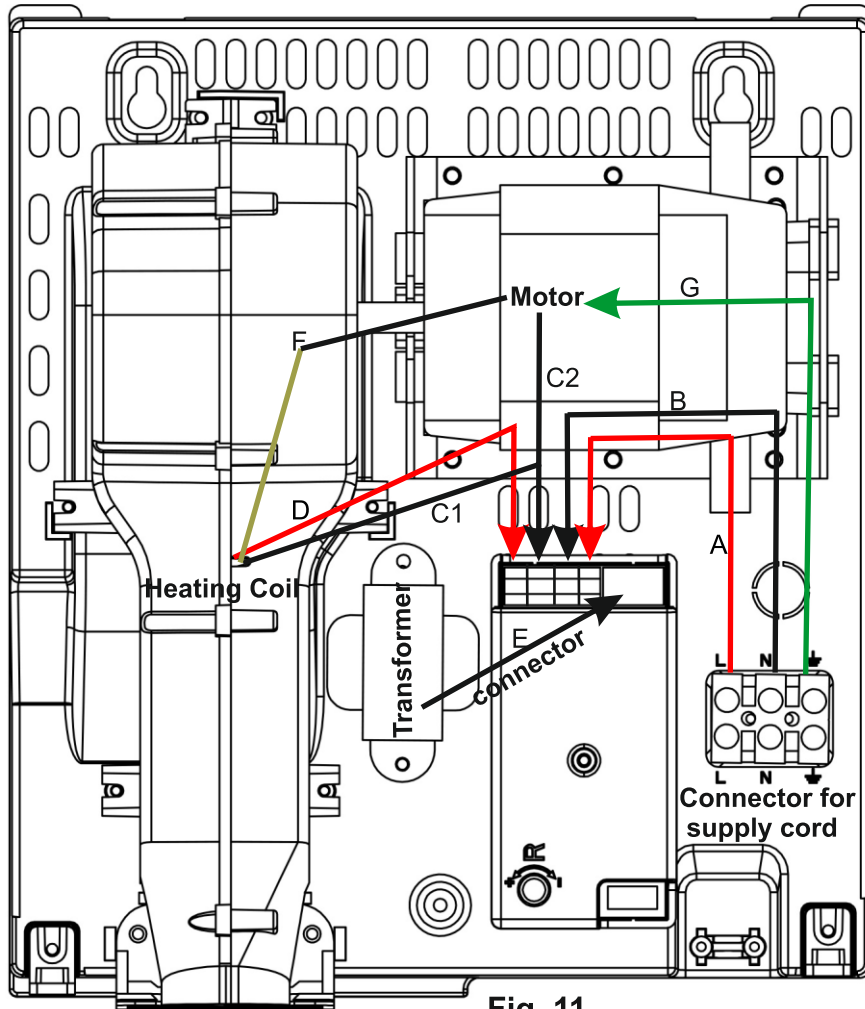


Fig. 11

- A = Red wire connecting to live or phase wire of supply cord
- B = Black wire connecting to neutral wire of the supply cord
- C1,C2 = Black wire from heating coil and any one supply wire of the motor\*
- D = Red wire from heating coil
- E = Connector from transformer
- F = Yellow wire from heating coil and other supply wire of the motor\*
- G = Green wire connecting supply cord earthing wire to the motor frame

\* While making electrical connections of the motor, even if two motor supply wires are interchanged, the hand dryer will work correctly (Green wire from motor frame or motor bracket will only be used for earthing and not to be confused with the motor supply wires).

# 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:

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 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 18 inches apart.
- 3) Place the installation template (provided) on the wall at a suitable mounting height and drill three holes as per the template.
- 4) Fit screws in the top two holes on the wall. Remove the hand dryer cover (Refer Page 5) and hang the hand dryer on the wall with the help of keyholes in the back plate of the hand dryer. (Refer Fig. 10)
- 5) Fit the third screw located in the middle of the back plate towards the bottom. Tighten all three screw adequately. Do not over tighten them with excessive force.
- 6) Fit the outer cover back on the hand dryer and fit the two screws at the bottom of the outer cover (Refer Page 6). 
- 7) Plug the power supply cord into a **6 Amps or higher rating socket** to power the hand dryer for proper functioning and safety of the users.
- 8) Make sure the wiring is compliant with the local building codes to safely support an appliance of this rated power. For rated power, please refer the label on the product or the technical specifications in the catalog.

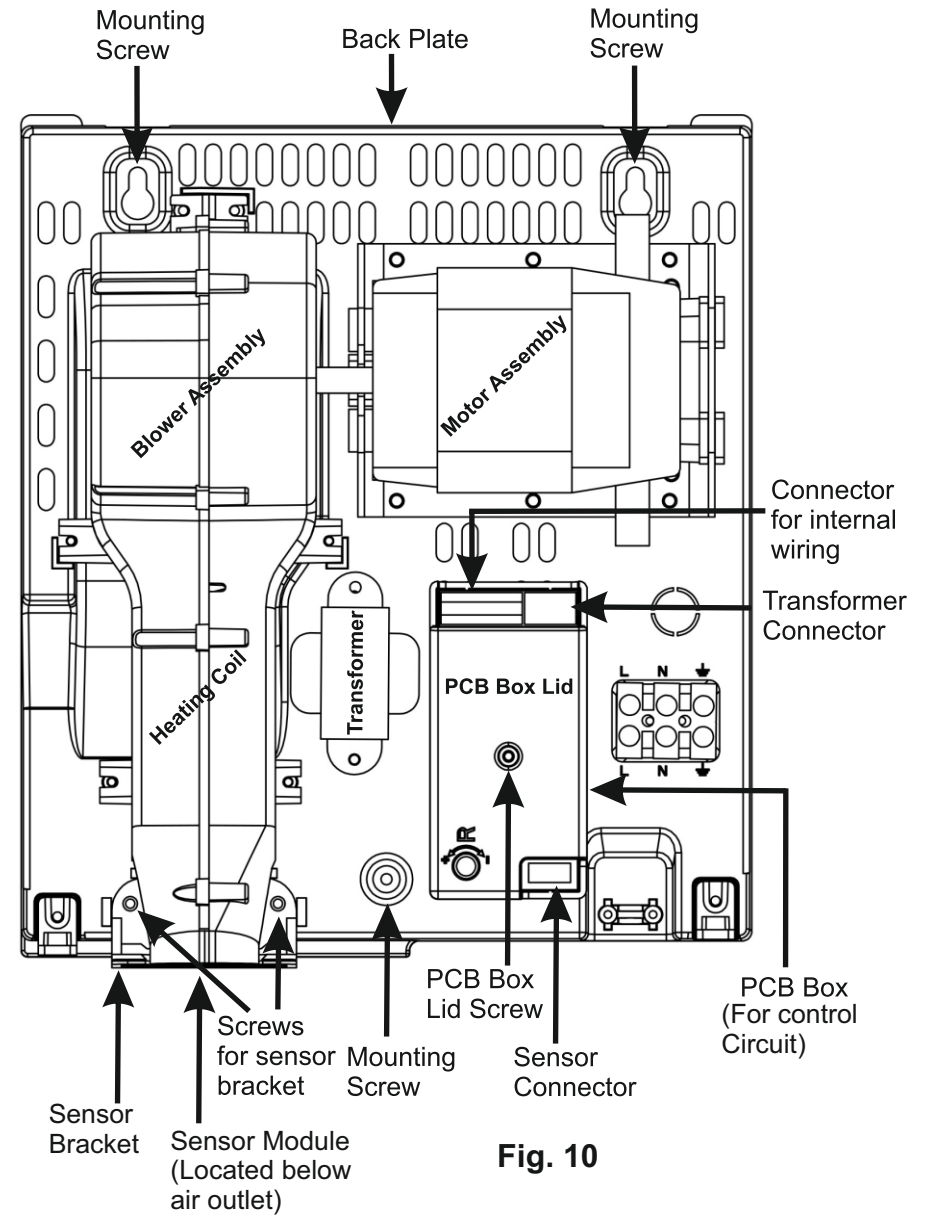


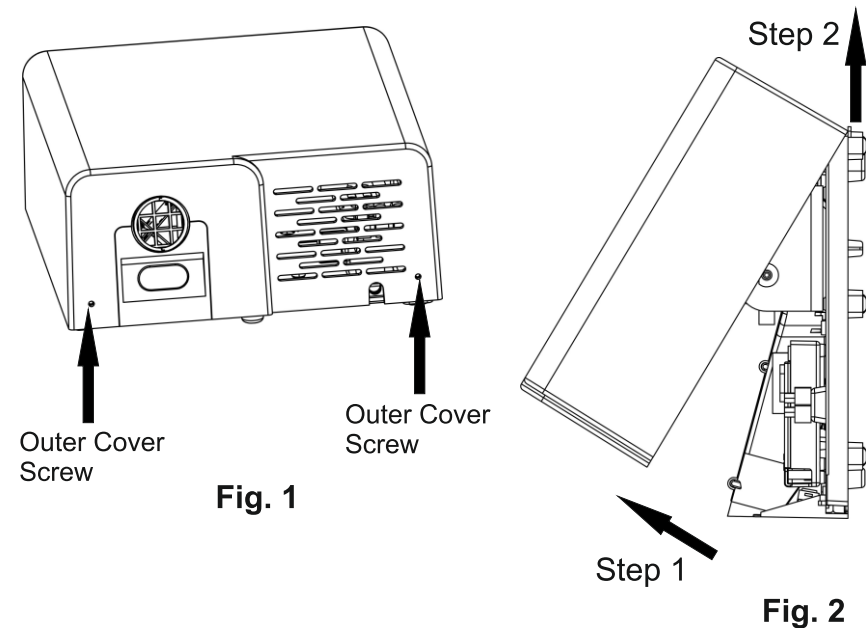
Fig. 10

### 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 in the hot air till the hands are dry.

### 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 lid on the pcb box by removing the screw (Refer Fig. 10). With the help of a screw driver, remove the wires that are fitted to the green internal wiring connector on the PCB. Unplug the transformer connector fitted next to it by pulling it gently upwards till it is detached. Be careful not to use excessive pulling force.
- 4) Unplug the black hanging sensor connectors which connect the sensor module to the control circuit PCB.
- 5) Remove the small screw located in the middle of the PCB which fits it to the PCB box. Lift the PCB up and replace with another PCB.
- 6) Fit the wires removed earlier in same positions and plug in the transformer and sensor connectors (Refer Fig. 11). Fit the screws removed earlier to fit the PCB and PCB box lid.
- 7) Install the hand dryer on the wall and fit the hand dryer outer cover as described earlier.
- 8) Switch ON the power supply and verify the hand dryer is working properly.



### How to remove the hand dryer outer cover:

- 1) Make sure the power supply is switched off and unplug the power cord from the socket.
- 2) Remove the two screws located at the bottom of the hand dryer as shown in Fig 1. and lift the cover outwards (Step 1) and upwards (Step 2) to detach it as shown in Fig 2.

### How to fit the hand dryer outer cover:

1) Hold the cover at an angle as shown in Fig.8. Fit the ribs located inside the cover as shown in Fig. 5 in the corresponding notches in the back plate. Rest the edge of the cover on the stopper of the back plate as shown in Fig. 8.

2) Then close the outer cover as shown in Fig. 9 and fit the two screws at the bottom of the cover as shown in Fig. 1 to secure the outer cover in place.

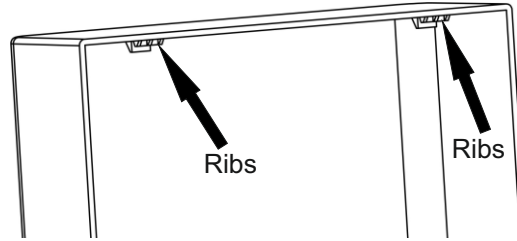


Fig. 5

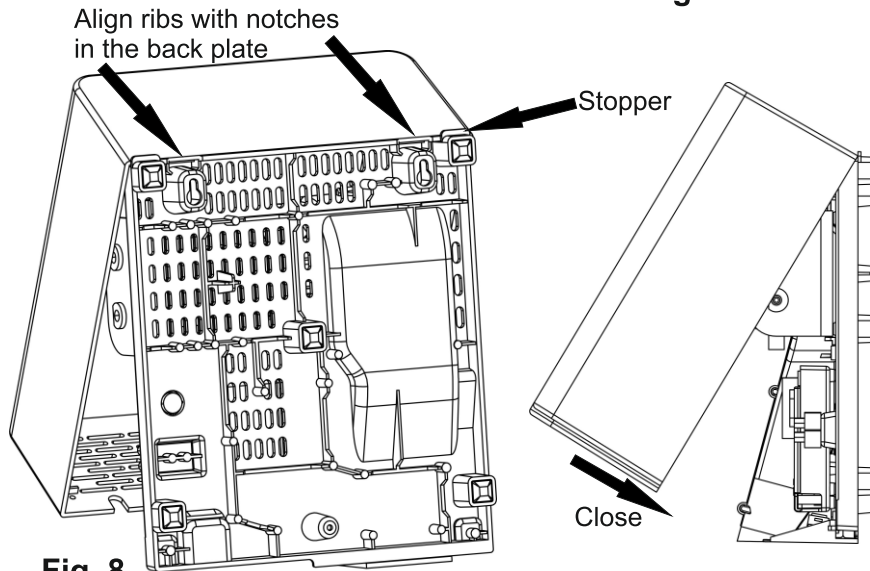


Fig. 8

Fig. 9

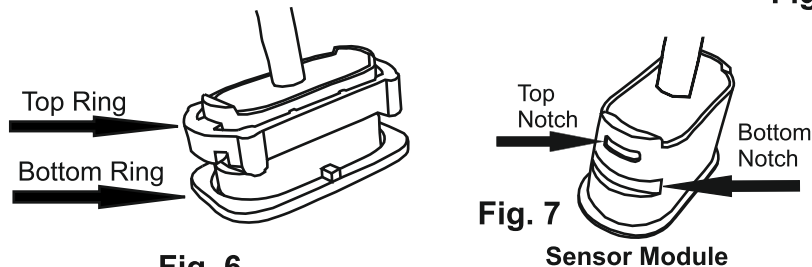


Fig. 6

Fig. 7

Sensor Module

### How to replace the Sensor Module:

- 1) Remove the hand dryer cover as explained earlier (Ref Page 5).
- 2) The sensor module is fitted to the sensor bracket below the air outlet. Remove the two screws to detach the sensor bracket from the back plate (Refer Fig. 10).
- 3) Sensor module has two notches on each side as shown in Fig. 7
- 4) Take a small flat head screw driver and put it between the top ring (Yellow) and sensor module. Pull it up to dislodge the top ring from the sensor module. The top ring may bend or twist during this process.
- 5) Once the top ring is removed, the sensor module will be detached from the bracket along with the bottom ring (white). Replace the old sensor module with a new one.
- 6) Hold the sensor module from outside to keep it in place while fitting it to the bracket. First put the bottom ring (white) over the sensor module. Then fit the top ring (Yellow) in the top notch on one side and press it from the other side as shown in Fig. 3. 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 simultaneously as shown in Fig. 4 such that it will be locked in the bottom notches of the sensor module and the sensor module will be firmly locked in its place.
- 8) Fit the black sensor connector to the corresponding connector from the control circuit PCB.
- 9) Fit the outer cover as shown on Page 6. Install the hand dryer and verify it is working properly.

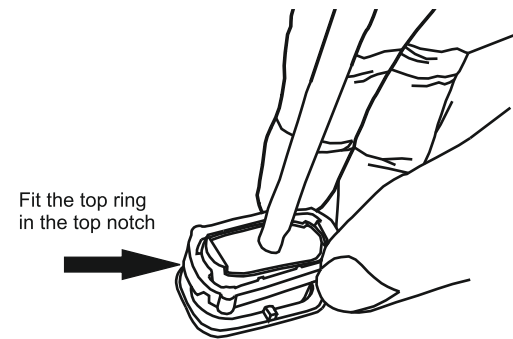


Fig. 3

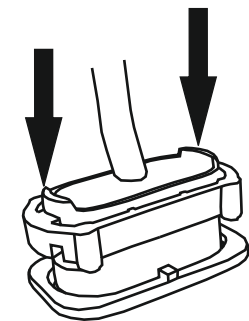


Fig. 4