

Precautions:



- 1) Do not use abrasive cleaning chemicals to clean the hand dryer.
- 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, immediately switch off the power supply. In case of such an incident, only qualified electricians should handle the unit.
- 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. If you need to replace any spare part, please do so strictly in accordance with this manual.

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INSTALLATION AND INSTRUCTION MANUAL FOR AS 10-IR (W) HAND DRYER



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) Remove the outer cover as described earlier.
- 3) Use a soft-medium bristle brush to clean the dust and debris from the air intake grill located on the back plate of the hand dryer.
- 4) Check the heating coil box 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.
- 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 preferably 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 very essential for ensuring proper functioning and long service life of the hand dryer.

Explanation of wire connections:

(Refer Fig. 7 to understand wiring along with below details)

For PCB Mounted Terminal Connector: (Refer Fig. 8)

(To better understand A1 A2 A3 A4 positions refer to markings on PCB box in Fig. 7)

A1 - Red wire from power supply cord

A2 - Black wire from power supply cord

A3 - Two black wires (from the motor and heating coil crimped together)

A4 - Red wire (from the heating coil)

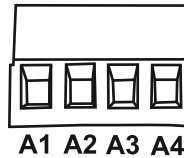


Fig. 8

PCB Mounted Terminal Connector

For Feed Through Terminal Block: (Refer Fig. 9)

B1 - Black wire from the A3 of PCB mounted terminal connector

B2 - Red wire to AC side of the DC rectifier circuit (can be fitted in either of the two positions of 2 way connector)

B3 - Yellow wire from the heating coil

B4 - Black wire to the AC side of rectifier circuit

B5 & B6 - Two wires from the motor capacitor (Two wires can be connected to either of the two positions)

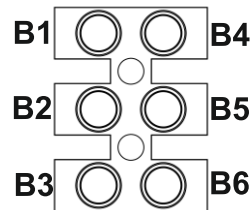


Fig. 9

Feed Through wiring connector

DC Rectifier Circuit:

Connections on the AC side of circuit already explained above. The DC side will connect to the wires from the motor. The red & black wires connect to + and - terminals respectively.

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

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 screws (provided) in the wall. Keep the screw heads about 5 mm away from the wall.
- 5) With help of keyholes on the back plate of the hand dryer (Refer Fig. 1), hang the hand dryer on the wall.
- 6) Use a **minimum 6 Amps socket or more** to supply power 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. For rated power, please refer the label on the product or the technical specifications in the catalog.

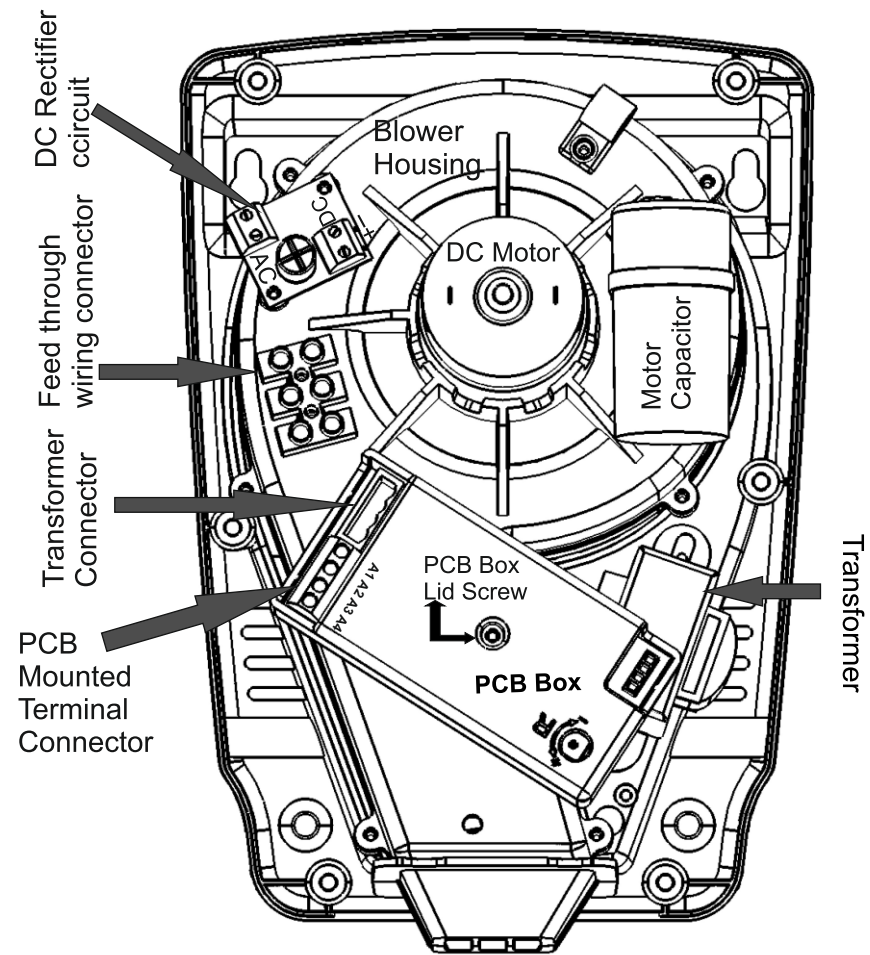


Fig. 7

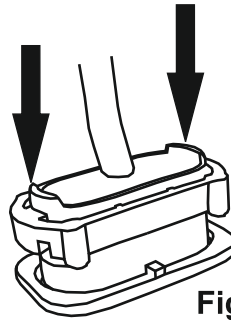



Fig. 6

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 PCB box lid by removing the screw (Refer Fig. 7).
- 3) Remove the wires that go to the PCB mounted terminal connector (Refer Fig. 7).
- 4) Push the lock of transformer connector (Refer Fig. 7) outwards and pull the connector to remove it.
- 5) Remove the screw that fits the PCB to the PCB box. Replace the PCB and fit the screw back. If required, take help of a small flat head screw driver to lift the PCB out of the box.
- 6) Fit the wires removed earlier from the PCB mounted terminal connector in their correct positions. (Refer Fig. 8 on Page 10).  After making the wire connections, please verify them again as wrong connections can cause short circuit and damage the PCB.
- 7) Fit the transformer connector and PCB box lid.
- 8) Fit the sensor connector and outer cover. Install the hand dryer on the wall and plug the power supply cord.
- 9) 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.

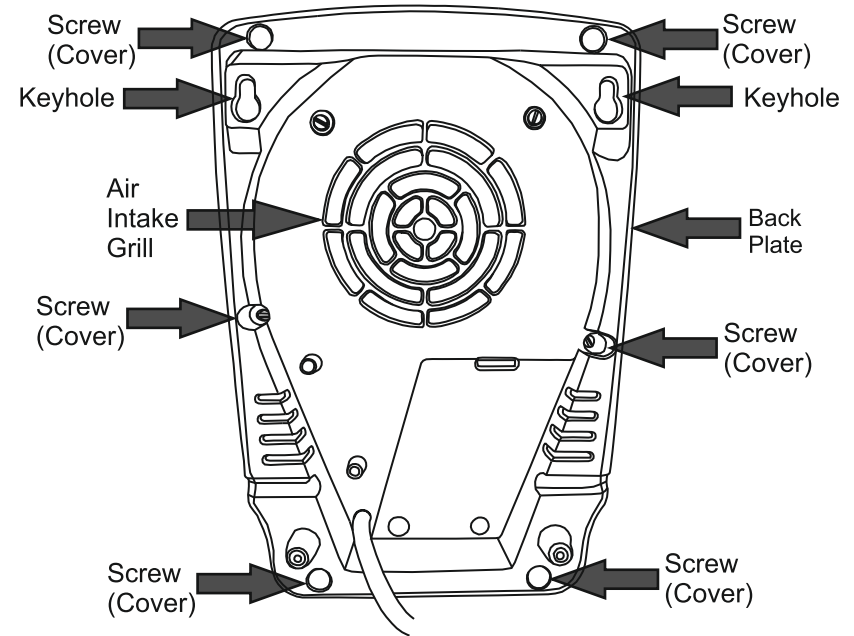


Fig.1

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 back plate facing upwards as shown in Fig. 1.
- 3) Remove the six screws located at the back of the hand dryer as shown in above figure. Now turn the hand dryer over along with the outer cover such that the outer cover is facing upwards.
- 4) Gently lift the outer cover and unplug the sensor connector. 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'.
- 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 to the PCB.
- 9) Fit the outer cover and install the hand dryer.

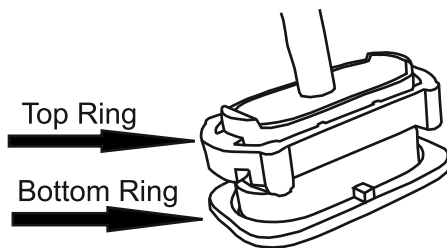


Fig. 2

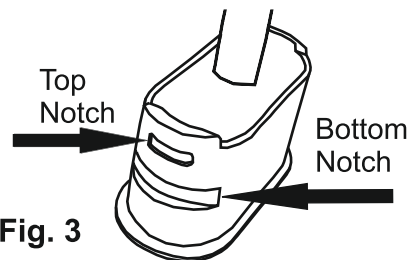


Fig. 3

Sensor Module

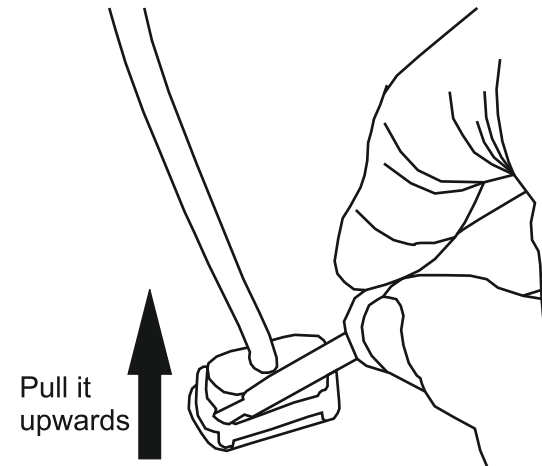


Fig. 4

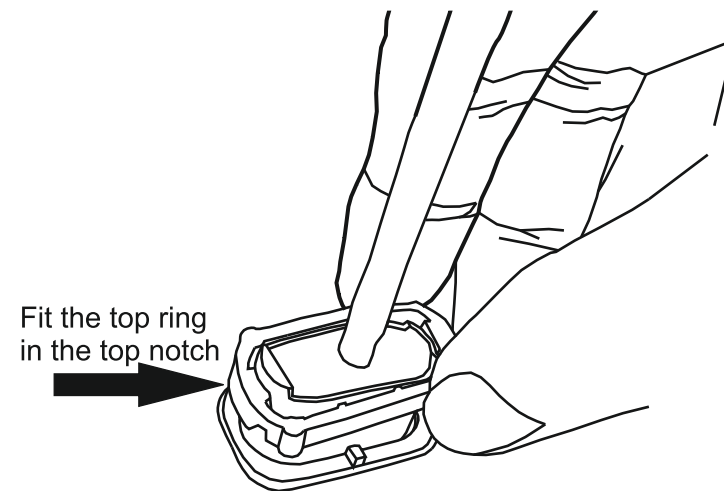


Fig. 5