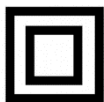


## Installation and Operating Guide ecoDRY mini Hand Dryers

ecoDRY mini ABS (Part No: 90000520)

ecoDRY mini Satin (Part No: 90000521)



Certificate No. FMS 589454  
BS EN ISO 14001 : 2015



Certificate No. FM 00152  
BS EN ISO 9001 : 2015



**IMPORTANT! Read before commencing installation. Please leave these instructions with the person responsible for the premises.**

### Introduction

The ecoDRY mini hand dryers are an eco-hygienic drying system. The ecoDRY mini hand dryers offer superior performance in drying time at an average of 20 seconds utilising an energy saving 400W motor. Offers a contemporary design with ergonomic features making it a stylish addition to your washroom. The ecoDRY mini hand dryers are available in two finishes - White ABS Plastic, and Satin Die Cast Aluminium. Installation must be carried out by a qualified and suitable competent person.

Technical Data	
Supply Voltage	220-240V
Frequency	50-60Hz
Absorption (Power)	400 Watts
IP Rating	IP23
Electrical Insulation	Class II
Airflow Performance	110 m <sup>3</sup> /hr / 31 l/sec
Dimensions (mm) (H x W x D)	238 x 156 x 99.5
Weight	1.2Kg

### Safety Information and Guidance



All electrical installation and repair work should be carried out by a qualified electrician accordance with current codes or regulations.



Isolate the power before installation.



**RISK OF ELECTRIC SHOCK!** If casing is removed or handled improperly the internal components of the unit may cause harm or become permanently damaged.

**SAFETY FIRST:** Always isolate the dryer from the power supply before removing the cover. When installed according to these instructions the ecoDRY range of hand dryers are completely safe. The materials used do not constitute a hazard. All ABS parts are made from flame retardant materials.

Wiring should conform to the latest edition of the IET wiring regulations (BS7671 – 17<sup>th</sup> Edition) or the appropriate standard in the country of installation. The ecoDRY mini requires a 220-240V 50/60Hz supply and an external 3A fuse. An isolator switch should also be installed in the MAINS input line to facilitate maintenance and cleaning of the dryer.

## **Mechanical Installation**

The ecoDRY hand dryer is designed for dry, internal locations only and should be installed at a minimum height of 120cm (from the ground to the air outlet/ bottom of the dryer) and be positioned at least 60cm from a bathtub, shower, or hand basin. Where multiple dryers are being installed alongside each other, allow enough space for people to access the dryer. If installing next to an adjoining wall, the dryer should be positioned at least 200mm from this wall to allow for proper access. Fix the hand dryer to the wall with the fixing kit provided using the enclosed template to mark out where the holes should be drilled. You should ensure that the electrical supply (tension) does not exceed the maximum power of the apparatus (220 -240V). This product is intended for installation by a suitably qualified person.

However, there are some considerations such as the distance between the floor and installed hand dryer to be taken into account that can be adjusted depending on application and local averages.

A minimum height of 120cm (from the ground to the air outlet/bottom of the dryer).

Positioned at least 60cm away from a bathtub, shower or hand basin.

If installing next to an adjoining wall, it should be positioned at least 200mm away from the wall.

Suitable for installation in the disabled washroom at a height of 1 meter.

The dryers can also be installed at 1m distance for wheelchairs.

### **Other recommendations:**

Select the appropriate height accordingly. Recommended heights are indicated below but it may be necessary to adapt them to particular situations.

The recommended heights are given from the ground.

1300 mm for an adult man

1265 mm for an adult woman

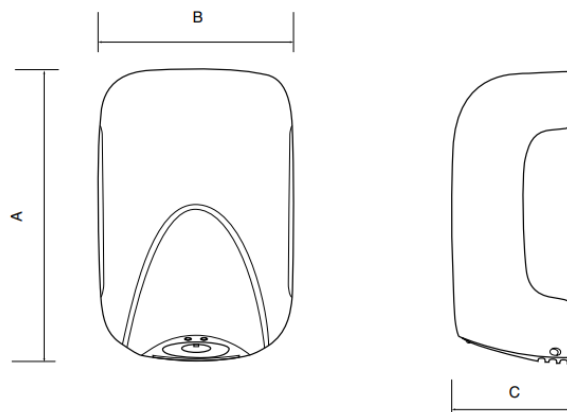
928 mm for a child aged 5 to 8

1028 mm for a child aged 8 to 11

1108 mm for a child aged 11 to 14

1050 mm for a person with reduced mobility.

## Dimensions



Model	A	B	C
ecoDRY mini	238	156	99.5

## Front Cover Removal

Before installation can commence you need to remove the front cover by unscrewing the two screws at the bottom of the cover (see Fig. 1). When the hand dryer is fixed to the wall, the cover should be replaced, and the two screws tightened accordingly.

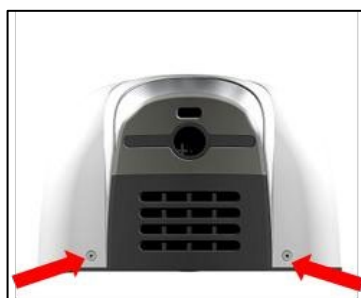


Fig. 1

## Mounting on the Wall

Fix the hand dryer to the wall with the fixing kit provided using the enclosed template to mark out where the holes should be drilled. It is recommended that you use the raw plugs and screws provided in the fixing kit. The hand dryer should always be positioned with the air outlet facing downwards.

## Operation

The hand dryer comes into operation and automatically stops by hands approaching and moving away from the cone air outlet.



**WARNING:** In case of an overload of internal temperature, a thermostat with automatic reset protection suspends the operation of the motor. This device gives the user greater safety of operation.

The unit has heating element. Air is then heated by the power of motor and heating element. This dryer allows considerable energy savings compared to traditional dryers, reducing consumption as our trading indications. In case of overheating a safety thermostat switch off temporary the heating element. The device has a system that prevents vandalism continuous operation, caused for example by covering the photocell. If this occurs, the dryer can work without interruption for about 60 seconds, then automatically stops waiting for (stand by)

It will be needed to remove the cover that blocks the photocells to ensure the dryer to resume its normal function in 3-4 seconds.

## Maintenance



**WARNING:** Before commencing any maintenance on this product, please isolate the appliance from the power supply!

Clean the dryer using a soft cloth dampened with water and detergent. To ensure the durability and reliability of this product, periodically check that the grid inlet and outlet of the cone are not clogged by dust or any equivalent material.

## Brush Motor (carbon brushes)

The motor brushes cartridge in the drive unit has a life of 500-600 hours of effective operation. The duration of the same varies depending on the conditions of use and of cleaning the filter and general maintenance of the appliance. It is needed to contact the service in order to restore the brushes at the end of the cycle.



### IMPORTANT:

- Do not use this product for a function different to which it is intended.
- Do not expose the appliance to the elements such as rain, sun etc.
- Do not make any changes to the device.
- Do not obstruct the air outlet point or air inlet grille.
- Do not insert any object into the air outlet or air inlet grille.
- In case of failure/ malfunction, disconnect from the power supply and contact your installer.

This product falls within the competence of the EC Directive 2002/96 (WEEE) on disposal of electrical and electronic equipment. Complies with RoHS legislation.

## Troubleshooting

1. **If the dryer continuously blows cold air** - please contact Airflow Developments Ltd at [info@airflow.com](mailto:info@airflow.com) or Tel +44 (0)1494 525 252 for further assistance.
2. **The dryer runs continuously** – decrease the sensitivity of the activation sensor by turning the white potentiometer on the board located inside the main body of the dryer (see Fig. 2 below) clockwise with a pot adjuster/ small screwdriver. Adjust to suit the level of sensitivity required.

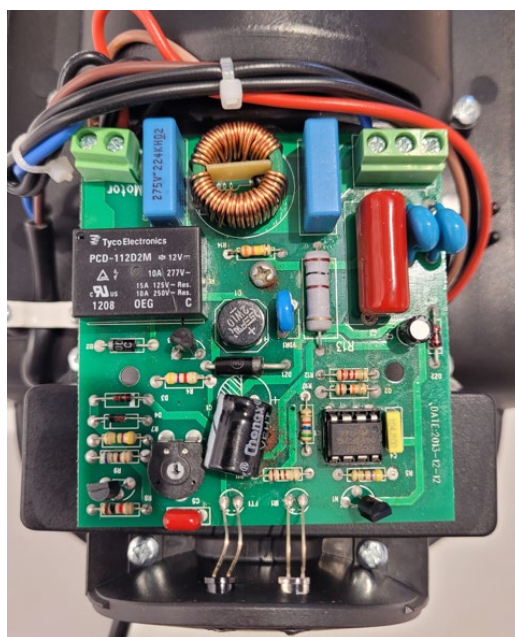


Fig. 2

3. **The dryer does not operate** – check all connections, if this fails, please contact your installer. Please contact Airflow Developments Ltd at [info@airflow.com](mailto:info@airflow.com) or Tel +44 (0)1494 525 252 for further assistance.

## Warranty

Applicable to units installed and used in the United Kingdom. Airflow guarantees the ecoDRY 550 hand dryers for 3 years from date of purchase against faulty material or workmanship. Warranty only covers the hand dryer, not the reinstallation of this if required. The warranty does not cover the replacement of the EPA 11 filter (if included) or the carbon brushes both of which need to be replaced after 1,000 hours of operation. These can be ordered from Airflow as spare parts as and when required. In the event of any defective parts being found, Airflow Developments Ltd reserve the right to repair or at our discretion replace without charge provided that the unit:

1. Has been installed and used in accordance with the fitting and wiring instructions supplied with each unit.
2. Has not been connected to an unsuitable electrical supply.
3. Has not been subjected to misuse, neglect, or damage.
4. Has not been modified or repaired by any person not authorised by Airflow Developments Ltd
5. Has been installed in accordance with latest IET wiring regulations.

Airflow Developments shall not be liable for any loss, injury, or other consequential damage, in the event of a failure of the equipment or arising from, or in connection with, the equipment excepting only that nothing in this condition shall be construed as to exclude or restrict liability for negligence. **This warranty does not in any way affect any statutory or other consumer rights.**

AIRFLOW DEVELOPMENTS Limited reserves the right in the interest of continuous development to alter any or all specifications without Prior notice. All orders are accepted subject to our conditions of sale which are available on request.



## Disposal

Do not dispose of with household waste.  
Please recycle where facilities exist.

Check with your local authority for recycling advice.



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