



Specification

Wall mounted warm air hand dryer. Model number 02.1010 in vertically brushed satin finish stainless steel. Heater element 230V, 2.0kW. Manufactured by FC Frost Ltd.

Material

- Casing: 1.2mm satin finish stainless steel grade 1.4301 (304)
- Approximate unit weight: 5.5kg

Operation

To activate dryer place hands beneath blower and rub hands together. Heater has built in thermal cut off. Sensor has 2 seconds inactivity cut off.

Heater assembly: 2.0kW

Sound Level: 65dB

Connection Data: Supply, 230V, 50/60Hz, single phase. Maximum load 10A.

Approximately 20-25 seconds drying time

Adjustable distance of sensor set at 127mm

In case of irregular use power cuts off automatically after 150 seconds

Installation

- **Disconnect power before installation or servicing**
- **A qualified electrician must install this product. It is recommended that this unit be checked every 6 months**
- **All units must be supplied with a 3-wire service.**
- **The means of disconnection must be in the fixed wiring in accordance with the wiring rules**
- **Note: As this hand dryer relies on 'reflection' there must be a minimum gap of 900mm between the underside of the dryer and any surface.**
- Recommended mounting height from underside of unit to FFL 1220mm (Male toilet)
- Remove the front cover by unscrewing the two fixing screws on the underside using the Allen key supplied
- Allow the dryer front to slide down approx 10mm and remove
- Position the chassis on the wall and mark through the four fixing points
- Drill wall to suit No.8 wall plugs (Please check the screws supplied are suitable for the installation)
- If the supply is to be concealed, drill a hole through the wall in line with the 20mm hole in back plate
- Wire unit as follows;

WARNING: This appliance must be earthed

The 220/240 volt 50Hz supply must be connected to the hand dryer via a double pole fused isolator using a mains lead with a cross sectional area no less than 1.25mm. Bring the mains cable through the grommet to the terminal block.

The red or brown lead to the terminal marked L

The black or blue lead to the terminal marked N

The green or green and yellow lead to the terminal marked E

- Ensure the mains cable cannot get into the fan inlet. A qualified electrician must carry out the electrical installation and it is recommended that the unit be inspected every six months.
- Replace the cover in reverse order and attach with the two screws provided. Ensure that the star washers are used as these maintain earthing to the front cover.

Care and Maintenance

Clean with soap and warm water, dry with a clean soft cloth.

To maintain finish use any industrial steel cleaner, polishing along the material grain with a clean soft cloth.

FC Frost Ltd recommends "Steel Clean" cleaning agent, obtainable from: Vitopan (Tel: 01204 863000)

Abrasive cleaners, chloride cleaning agents and carbon steel brushes/steel wool will scratch the stainless steel and should not be used.

Troubleshooting Chart: Any electrical maintenance must be done by a qualified electrician

Symptom	Corrective Action
Unit is not working	Assuming that there is power to the fuse isolator, check there is a 13A fuse fitted. If there is a fuse present, replace it with a new one.
	Check that the clear lens on the underside of the unit (in front of the air outlet) has not been obstructed with tape, chewing gum etc.
	Check for any signs of vandalism
	If the motor can be heard working but the air is blowing cold, the fault is with the Heater Element and can be replaced.
	Remove the front cover by undoing the screws as previously detailed. Check that the inside of the lens is clear. Check the mains power is getting to the dryer. Remove and replace all the wires in the terminal block and ensure the screws are not tightening up on the wire insulation.
Heater element glows, but motor doesn't run	Remove the front cover by undoing the screws as previously detailed. If the heater element glows but then cuts out, but the motor doesn't operate, the most probable cause is a fault with the PCB. Replace the PCB.
Sensor range is too short or too far	Remove the front cover by undoing the screws as previously detailed. Turn potentiometer (located on left side of PCB) Clockwise to increase, Anti-clockwise to reduce. Coarse adjustment can be made by loosening the crosshead screw on top of the plastic sensor shroud and sliding the screw to alter the beam area of the sensor.

Warranty

This product is covered by a 12-month warranty from the date of purchase to be free from defects if installed and maintained in accordance with these instructions. FC Frost will replace or repair (as appropriate) free of charge any product with a proven manufacturing defect if reported within the warranty period.