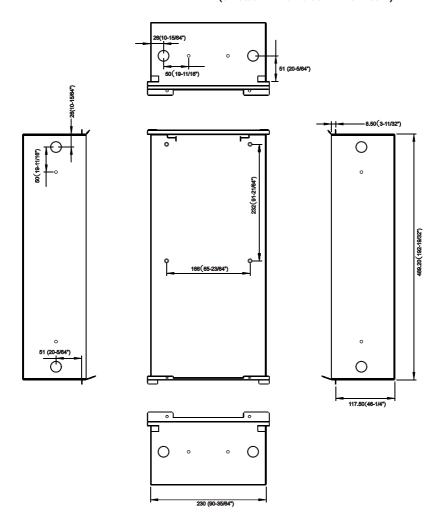
Automatic Hand dryer

Mounting Instruction

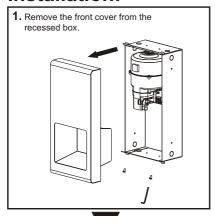
High Speed Hand Dryer Semi-Recessed Type

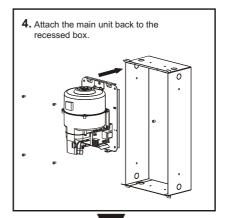
Diagram: mm

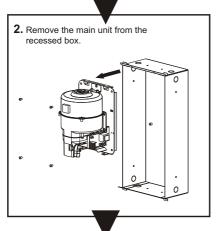
Rough wall opening: 235 x 495 x 123 mm (92-33/64" x 194-57/64" x 48-27/64")

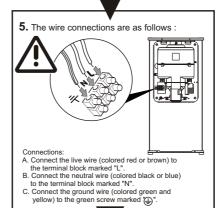


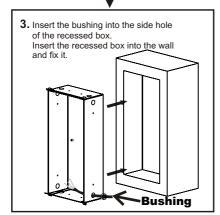
Installation:

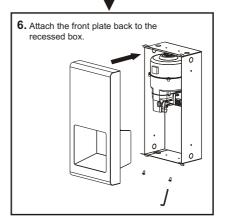












General safety information:

A WARNING

This product is intended for installation by a qualified service person. Use AWG NO. 14 (1.6 mm²) solid conductor for wiring.

▲ DANGER

Failure to properly ground unit could result in severe electrical shock and/or death.

▲ WARNING

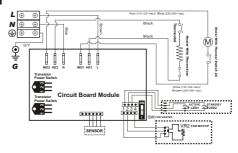
Disconnect power at the service breaker before installing or servicing.

▲ WARNING

All units must be supplied with a 3-wire service. The ground wire must be connected to the dryer's backplate.

-- NOTE: Do not install dryer over washbasin --

Circuit Diagram



TECHNICAL SPECIFICATIONS

ITEM CATEGORY

PERFORMANCE DATA

Operating Voltage 220-240Vac, 50/60 Hz, 1.34-1.6 kW
Warm Air Speed Output 168-224 mi/hr (75-100 m/s), adjustable
Air Output Temperature 113°F (45°C) – Ambient Temp. 68°F (20°C)

Dryer Shall Deliver 51-68 CFM (87-116 m³/h)

Motor Type 15/16HP, 350-700W, 12000-18000 R.R.M., Adjustable;

Brush Type, Dual Ball Bearings

Motor Thermal Protection Auto Resetting Thermostat turns unit off,

Heater Element 240V at 221°F (105°C) Heater Thermal Protection 450-900W, adjustable

Drying Time Auto Resetting Thermostat turns unit off at, 149°F (65°C)

Circuit Operation Less than 15 seconds
Stand-by Power Less than 0.5W

Sensor Range Infrared Automatic, self adjusting
Timing Protection Auto adjust; standard 6" [15 cm±2 cm]

Drip proof 60 seconds auto shut off

Isolation IPX1 ♦

Net Weight CLASS 1

Shipping Weight 12.8 lbs (5.8 kg)

Unit Size 14.6 lbs (6.6 kg)

8-5/64" W x 11-19/64" H x 7-6/64" D [205 mm x 287 mm x 180 mm]

Diagnostics and Remedies

Symptom

If the dryer will not run

The dryer cycles by itself or runs constantly

The dryer makes a loud noise and does not run for a complete cycle

The dryer runs but air stream is low pressure and/or low velocity

Symptom

If the dryer will not run

The IR sensor only "sees" close range objects

The heater gets hot but no air stream is produced

The dryer only blows cold air during a full cycle

The air stream is low pressure and velocity

Corrective Actions for Initial Installation Failures

First ensure that the breaker supplying the dryer is operational. If it is, disconnect the power and remove the dryer cover. Taking suitable precautions to avoid shock hazard, reconnect the power and check for Voltage at the terminal block. Verify that connections are made correctly. Adjust the VR to make sure it is not set too low.

Ensure that there is no obstruction on or in front of the IR sensor. Clean any dirt or debris off the sensor lens. If problem persists, replace sensor.

Ensure that the supply Voltage is correct. Dryer will make a loud humming noise if the input Voltage is too high. Verify Voltage requirement on unit rating label and correct supply as required. If CBM has been damaged, replace CBM, IR sensor module and VR component and cable.

Ensure that the supply Voltage is correct. Dryer will run weakly if the input Voltage is too low. Verify Voltage requirement on unit rating label and correct supply as required.

Corrective Actions for In-Service Failures

First ensure that the breaker supplying the dryer is operational. If it is, disconnect the power and remove the dryer cover. Replace the CBM and IR sensor module. Test the VR for open circuit (see Technical Specifications for value). Replace VR if $\Omega = \infty$. Taking suitable precautions to avoid shock hazard, reconnect the power and check for Voltage at the terminal block.

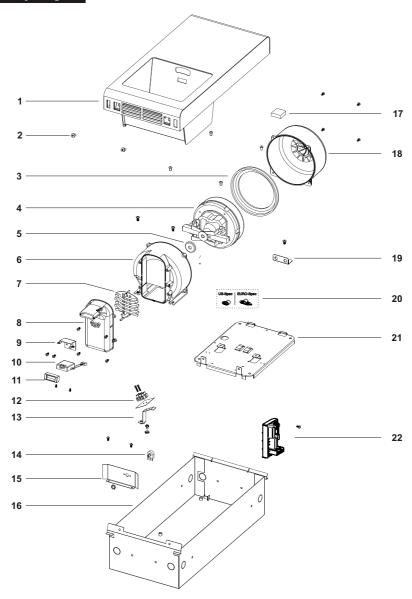
Ensure that there is no obstruction on or in front of the IR sensor. Clean any dirt or debris off the sensor lens. If problem persists, replace sensor.

Disconnect the power. Remove the dryer cover and disassemble the blower-motor/fan housing. Replace the fan motor.

Disconnect the power. Remove the dryer cover and disassemble the blowermotor/fan housing. Test the thermostat for open circuit. Check the heater element for signs of burning or breakage. Damaged element must be replaced.

Check the output nozzle for obstructions. If none are present, disconnect the power. Remove the dryer cover. Remove any dust/lint buildup from intake vent slots. Disassemble the blower-motor/fan housing. Check the motor brushes for worn condition (≤ 25/64" [10 mm] graphite remains) and replace them, if necessary.

Assembly Diagram



Hand Dryer Operating Instructions and Parts Manual Surface-mounted High-Speed hand dryer

Repair parts list

Key	Description	Qty
1	Cover	1
2	Security hex screw	2
3	Motor rubber - Large	1
4	Motor 700W	1
5	Motor rubber - Small	1
6	Blower housing - Bottom	1
7	Heater assembly 900W	1
8	Air outlet	1
9	Sensor module bracket	1
10	Sensor module	1
11	Sensor protector	1
12	Terminal block	1
13	Terminal block bracket	1
14	Variable resistance (VR)50KΩ	1
15	Variable resistance bracket	1
16	Recessed box	1
17	Shock absorbed	1
18	Blower housing - Top	1
19	Blower housing bracket	1
20	Nylon cable clamp	1
21	Base plate	1
22	Circuit Board Module (CBM)	1