



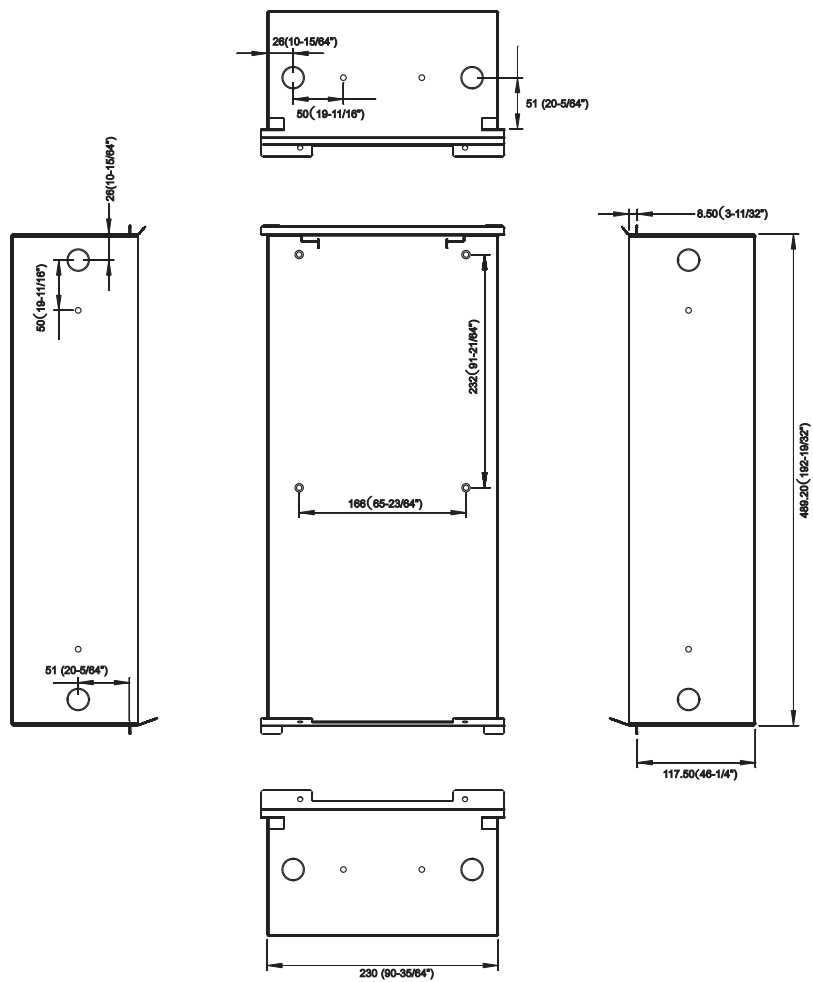
Automatic
Hand dryer

Mounting Instruction

High Speed Hand Dryer Semi-Recessed Type

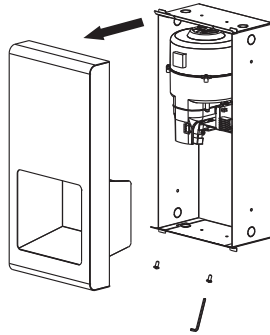
Diagram: mm

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

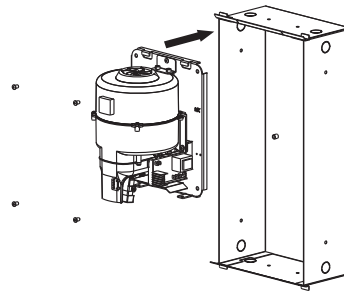


Installation:

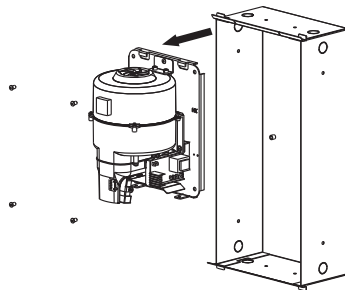
1. Remove the front cover from the recessed box.



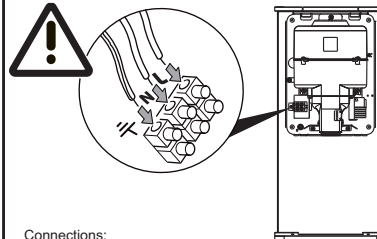
4. Attach the main unit back to the recessed box.



2. Remove the main unit from the recessed box.



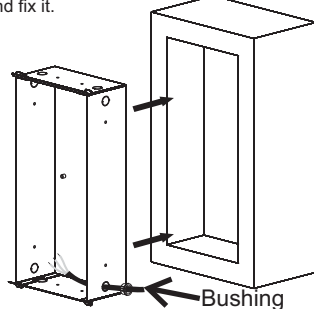
5. The wire connections are as follows :



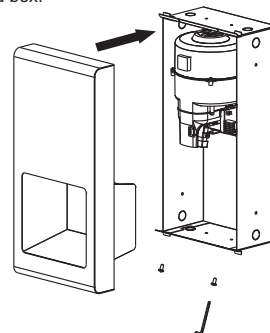
Connections:

- A. Connect the live wire (colored red or brown) to the terminal block marked "L".
- B. Connect the neutral wire (colored black or blue) to the terminal block marked "N".
- C. Connect the ground wire (colored green and yellow) to the green screw marked \oplus .

3. Insert the bushing into the side hole of the recessed box.
Insert the recessed box into the wall and fix it.



6. Attach the front plate back to the recessed box.



General safety information:

⚠ WARNING

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

⚠ WARNING

Disconnect power at the service breaker before installing or servicing.

⚠ DANGER

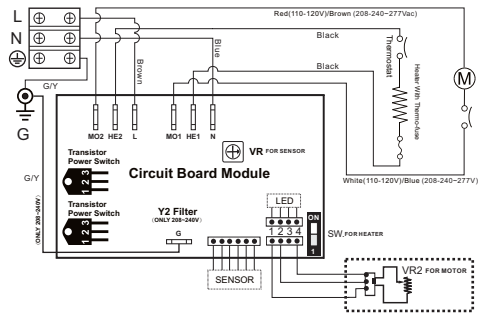
Failure to properly ground unit could result in severe electrical shock and/or death.

⚠ 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 m ³ /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, 240V at 221°F (105°C)
Heater Element	450-900W, adjustable
Heater Thermal Protection	Auto Resetting Thermostat turns unit off at, 149°F (65°C)
Drying Time	Less than 15 seconds
Circuit Operation	Less than 0.5W
Stand-by Power	Infrared Automatic, self adjusting
Sensor Range	standard 7" [17 cm±2 cm]
Timing Protection	60 seconds auto shut off
Drip proof	IPX1
Isolation	CLASS 1
Net Weight	12.8 lbs (5.8 kg)
Shipping Weight	14.6 lbs (6.6 kg)
Unit Size	8-5/64" W x 11-19/64" H x 7-6/64" D [205 mm x 287 mm x 180 mm]

Recommended mounting heights

- from top edge of hand chamber above finished floor (AFF)
SEE ILLUSTRATED INSTALLATION STEPS ON SHEET

Men / Women	1168 mm	(46")
Children 4-7 years	838 mm	(33")
Children 8-10 years	940 mm	(37")
Children 11-13 years	1041 mm	(41")
Children 14-16 years	1143 mm	(45")
Handicaped	1016 mm	(40")

Reference **ADAAG** AFF (maximum)
Reach LIMIT (unrestricted)

All Approaches 1219 Mm (48")

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

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.

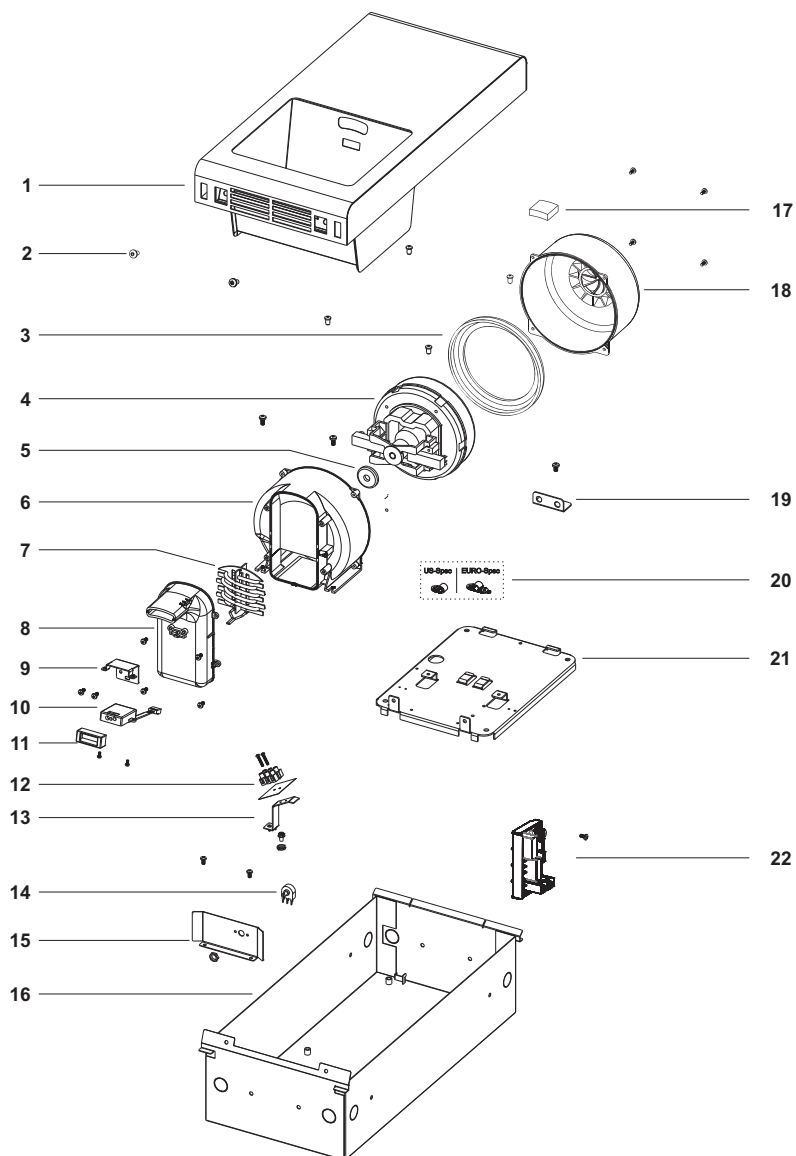
Symptom
If the dryer will not run
The IR sensor only "sees" close range objects
The heater gets hot but no air stream is produced
The dryer only blows cold air during a full cycle
The air stream is low pressure and velocity

Corrective Actions for 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 blower-motor/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 ($\leq 25/64$ " [10 mm] graphite remains) and replace them, if necessary.

Hand Dryer **Operating Instructions and Parts Manual**

Semi-Recessed High-Speed hand dryer

Assembly Diagram

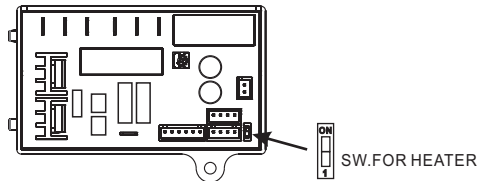


Hand Dryer **Operating Instructions and Parts Manual**

Semi-Recessed High-Speed hand dryer

Heater Element Switch ON/ OFF

1. Cut off the power, loosen the screw of the cover and remove the cover.
2. Adjust the heater switch on the PCB with a flathead screwdriver.
 - 2.1 Turn the switch to "ON": heater on
 - 2.2. Turn the switch to "1": heater off



Warm air speed adjustment

Use flat blade screwdriver small enough to fit through access hole (Ø4,8mm [Ø3/16"]); in bottom grille of cover . The adjustment potentiometer (item 14) is visible through the slots of the grille. With respect to axis of screwdriver viewed from handle end, gently turn adjustment potentiometer shaft clock-wise [CW] to increase power to maximum (shaft will hard stop; DO NOT OVERTURN!). Turn tool gently CCW to reduce power as required (shaft will hard stop; DO NOT OVERTURN!). Note that at minimum power the unit may not start if low line Voltage condition exists.

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 absorber	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

