

Automatic

# Hand dryer

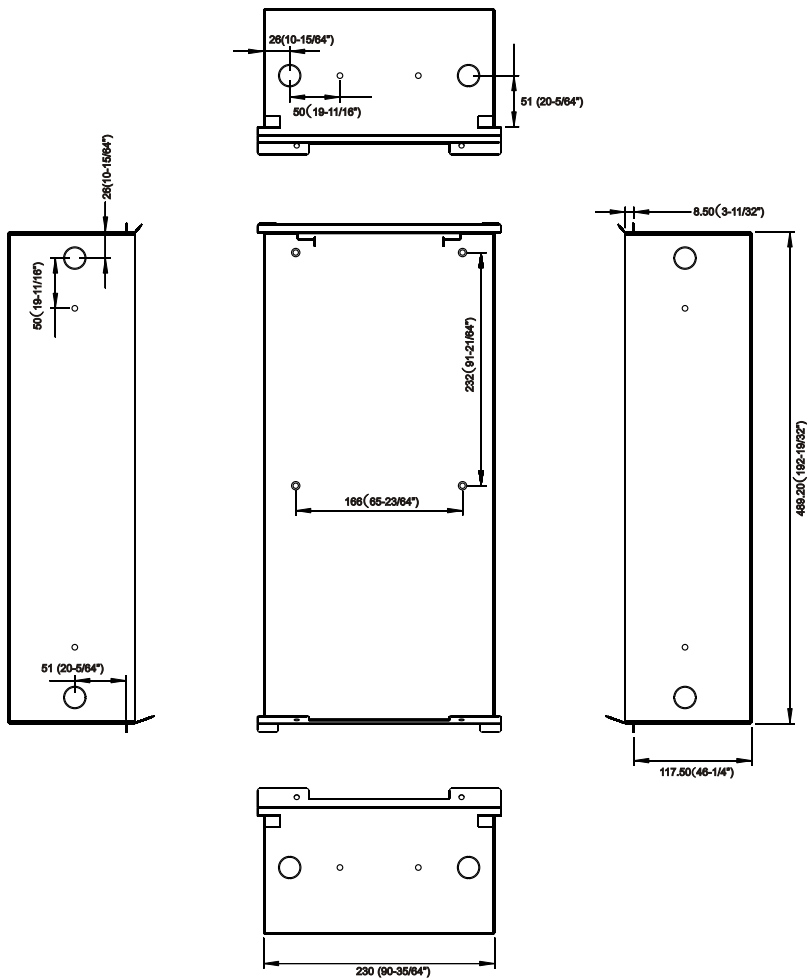


**Mounting Instruction**

**High Speed Hand Dryer Semi-Recessed Type**

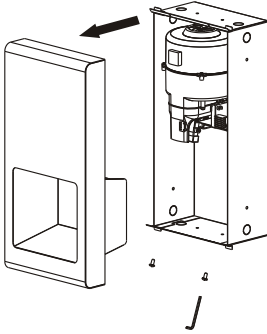
**Diagram:** mm

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

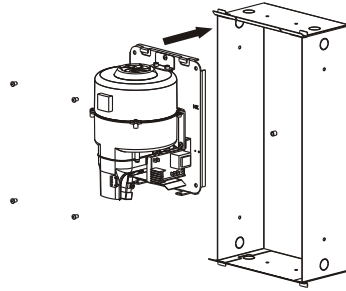


# Installation:

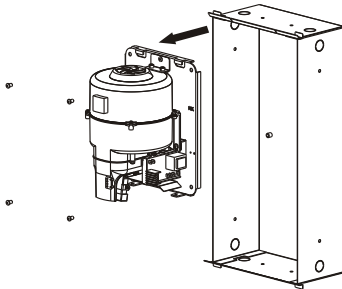
1. Remove the front cover from the recessed box.



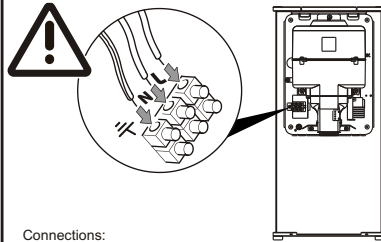
4. Attach the main unit back to the recessed box.



2. Remove the main unit from the recessed box.



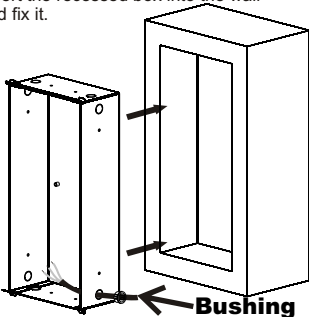
5. The wire connections are as follows :



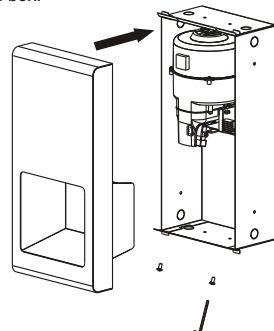
Connections:

- 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 "G".

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.





## Diagnosics and Remedies

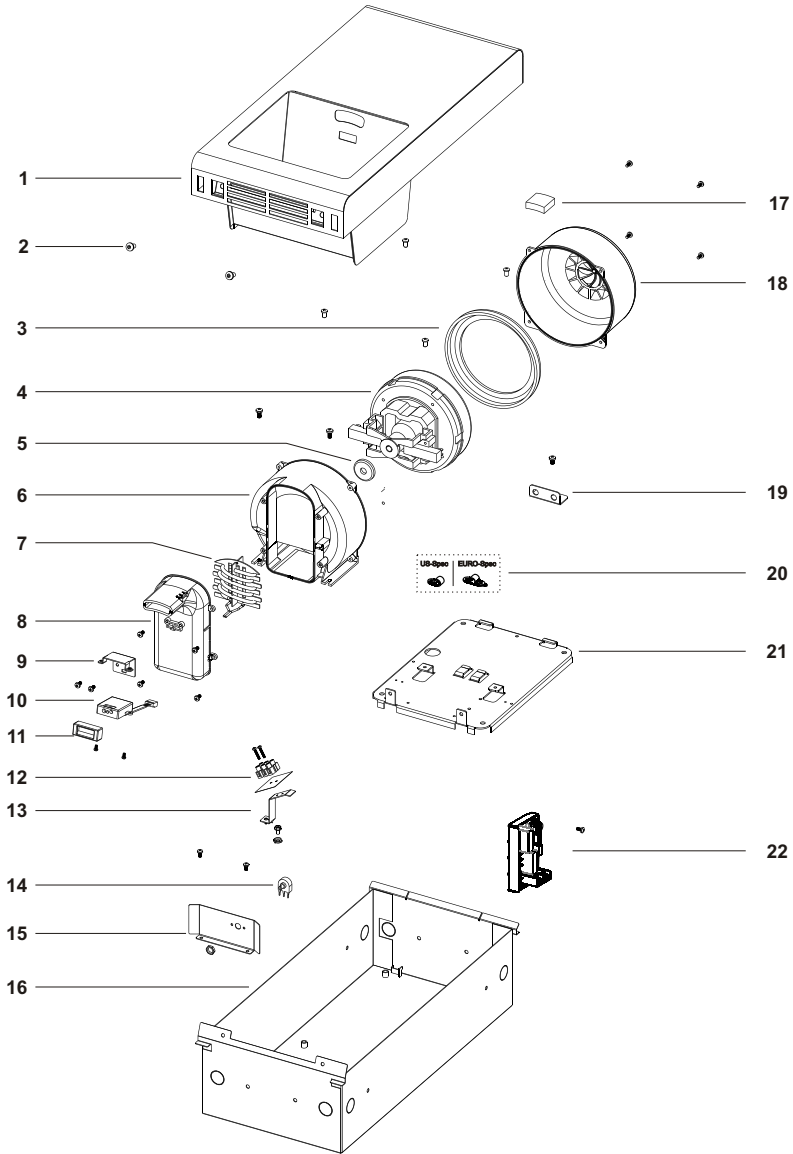
Symptom
If the dryer will not run
The dryer cycles by itself or runs constantly
The dryer makes a loud noise and does not run for a complete cycle
The dryer runs but air stream is low pressure and/or low velocity

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.

**Assembly Diagram**



**Repair parts list**

<b>Key</b>	<b>Description</b>	<b>Qty</b>
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)50K $\Omega$	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