



AirDuo HAND DRYER

OSMAD Series

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage. Retain instructions for future reference.

DESCRIPTION

The **AirDuo** hand dryer, powered by a brushless motor, delivers a maximum of 1800 Watts of drying power. This hand dryer runs on 120 Volts (model OAD1802BL) or on 208/240 Volts (model OAD1800BL) AC electrical supply. It is activated by a push button and uses standard drying cycles of 30 seconds. This model is intended for use in commercial, industrial, office and public facility environments.

GENERAL SPECIFICATIONS

PRODUCT #	COLOR	DEFAULT DRYING CYCLE	DIMENSIONS (W X H X D)	WEIGHT
OAD1802BL	White	30 seconds	12" X 8.7" X 9.3" (30.5 cm X 22.1 cm X 23.6 cm)	18 lbs
OAD1800BL	White	30 seconds		(8.2 kg)

ELECTRICAL SPECIFICATIONS

PRODUCT #	TYPE	ELECTRICAL INPUT	AMPERAGE	WATTS
OAD1802BL	Push button	120VAC-60Hz	15	1800
OAD1800BL	Push button	208/240VAC-60Hz	6.5/7.5	1350/1800

UNPACKING

1. Remove all packing material. Recycling is recommended.
2. Carefully remove the hand dryer from the shipping carton, using care not to drop the appliance.
3. Inspect carefully for any damage that may have occurred during transit. Check for any loose, missing or damaged parts. If the hand dryer is damaged, promptly inform the dealer where you purchased it.

IMPORTANT : READ AND SAVE THESE INSTRUCTIONS.

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GENERAL SAFETY INFORMATION

DANGER

- **Failure to disconnect the power source before installation or servicing can result in serious injury or death from electric shock.**
 - Always disconnect the power source before servicing or installing the hand dryer.
- **Failure to properly ground this unit could result in severe electrical shock and/or death.**
 - This hand dryer must be properly grounded (Earthed) for safe operation.
 - We recommend GFCI protection in wet or damp locations or as required by local code.

WARNING

- **Risk of fire, personal injury or property damage are possible if local or national codes, or safety recommendations are not followed.**
 - Use only the electrical power (voltage and frequency) specified for the model hand dryer being installed.
 - Connect the hand dryer to the nearest suitable distribution panel.
 - To limit a voltage drop, and ensure efficient operation, use wire gauge as required by local or National Electrical Code.
 - Route all field wiring away from moving parts within the hand dryer.

CAUTION

- **Improper mounting could result in personal injury or property damage.**
 - Follow the mounting recommendations in Table 1.

INSTALLATION

1. Disconnect the power source.
2. Use the security hex key supplied to loosen the mounting screws. Remove the cover.
3. Place the template against the wall at the desired location using Table 1 to determine the recommended mounting height.
4. Mark the locations of the 4 mounting bolt holes. When 2 or more dryers are installed, they should be spaced no closer than 24 inches (60 cm) from center to center.
5. Fasten the base to the wall, using the type of bolts suggested in Table 2.
6. Carry the conductor wire to the dryer and connect it to the terminal block. Remember all dryers should be fed by a three wire conductor. The neutral wire must be connected to the panel.
7. Replace cover. Do not over-tighten the screws.

IMPORTANT: Consult local and general regulations before performing dryer installation. Ensure that the electrical network is not overloaded.

MAINTENANCE

Read complete instruction before proceeding. Proper maintenance should be performed on the units at least every 6 months under normal use. More frequent cleaning is required in dirty environments or heavy conditions. Lint and dust build up inside the dryer can result in damage to motor.

CLEANING INSTRUCTIONS

1. Disconnect the electrical supply.
2. Use the security hex driver to remove the three cover-mounting screws.
3. Remove the cover.
4. Vacuum out dirt from blower and housing. Use caution not to damage wires or other inside components.
5. Replace cover. Do not over tighten the screws.
6. Wipe the cover with a damp cloth. Never use abrasives to clean the cover.

Table 1

RECOMMENDED MOUNTING HEIGHTS FROM FLOOR TO DRYER BOTTOM EDGE				
	HAND		HAIR	
	in.	cm.	in.	cm.
Men's washrooms	46	117	72	183
Women's washrooms	43	109	67	170
Children's washrooms, ages 4-7	31	78	49	125
Children's washrooms, ages 7-10	35	89	56	142
Children's washrooms, ages 10-13	39	99	62	157
Children's washrooms, ages 13-17	43	109	67	170
Handicap Mounting Height	37	94	60	152

Table 2

TYPE OF WALL	TYPE OF BOLT	MINIMUM BOLT LENGTH
Hollow tile, lath, wall board or metal	¼" (M6) screw type or Wing type toggle bolts	Dependent on wall thickness
Cement, brick, or tile covered cement or brick	¼" (M6) stud type expansion bolts	3" (76 mm)
Stud wall with wood backing	No 16 (M8) wood screws	2 ¾" (70 mm)

TROUBLESHOOTING

DANGER

- Always disconnect power before servicing.

CAUTION

- Always confirm a good ground (earth) connection.

WARNING

- Servicing should only be performed by persons trained and qualified to complete the servicing. Only qualified professional service technicians or electricians should perform servicing involving electrical circuits. Follow all local and national regulations when completing servicing.

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION(S)
Dryer fails to start.	No power to the unit.	<ul style="list-style-type: none">• Check if power is "ON".• Check electrical connections.
	No contact of pushbutton rod to timer assembly	<ul style="list-style-type: none">• With power on to the unit, remove cover. Depress lever on timer assembly to start timer cycle. If cycle does not start, replace the timer assembly. If cycle starts, gently reshape lever upwards so that lever contacts pushbutton rod with cover present.
	Faulty motor	<ul style="list-style-type: none">• If relay "click" (the timer assembly starts) is heard, heating element glows for 1-2 seconds, but unit does not start, replace the motor.
Dryer runs for approximately 60-90 seconds then will not re-start.	Timer assembly issue	<ul style="list-style-type: none">• Replace timer assembly
Dryer blows cold air	Defective heating element	<ul style="list-style-type: none">• Check for break in element wire.
	Defective thermostat	<ul style="list-style-type: none">• Check heating element and thermostat for continuity. If open, replace as necessary.
Dryer noisy or vibrations	Fan not centered in housing	<ul style="list-style-type: none">• Fan may be rubbing against edge of fan housing. To center fan, loosen the set screws and adjust the fan until it turns freely.
	Foreign object in fan	<ul style="list-style-type: none">• Inspect for foreign material. Using a soft brush and vacuum, clean fan and motor.

	Broken or bent fan	<ul style="list-style-type: none"> • Replace fan.
	Bent motor shaft	<ul style="list-style-type: none"> • Replace motor.

LIMITED WARRANTY TO OWNER

The warranties herein set forth are in lieu of all other warranties expressed or implied and shall not apply to any accessory not part of the product. Ouellet Canada Inc. warrants its **AirDuo** unit to the owner against defects in material and workmanship for a five (5) year period under normal use and services following date of purchase when proof of such is provided to seller. The obligation of Ouellet Canada Inc., under the terms of this warranty, shall be to supply a new part, or the repair of a defective part at the company's option with no cost to owner for the new or repaired part. Such parts are to be returned to the factory, or such other location as the company may designate at the owner's expense. This warranty does not obligate Ouellet Canada Inc. to bear the cost of labor in replacing any assembly, unit or component part thereof, nor does the company assume any liability for secondary charges, expenses for installing or removal, or any other consequential losses, freight or damages.

IN CASE OF PRODUCT FAILURE

It shall be the obligation of the owner or contractor to furnish to the company, within the designated warranty period the following information:

1. Model Number and serial number of product involved.
2. Complete description of the problem encountered with product.