

INSTALLATION INSTRUCTIONS FOR XLERATOR® HAND DRYER



PRIOR TO INSTALLATION

Prior to installing the Sloan OPTIMA XLERator® Electronic Hand Dryer, determine the location where the dryer will be installed. Read the following section entitled "Installation Precautions" and then refer to Table 1 for recommended mounting heights.

Installation Precautions

- Mounting surface should be smooth and flat.
- Mount dryer at least 24 inches (610 mm) away from basins.
- Mount dryer at least 20 inches (508 mm) away from corners.
- Mount multiple hand dryers a minimum of 20 inches (508 mm) apart, center to center.
- Avoid installing hand dryers in narrow hallways and behind swinging doors.

Important:

- *INSTALL ALL ELECTRICAL WIRING IN ACCORDANCE WITH NATIONAL/LOCAL CODES AND REGULATIONS.*

Table 1 — Recommended Mounting Heights

Users	Height
Men	45 Inches (1143 mm)
Women	43 Inches (1092 mm)
Teenagers	41 Inches (1041 mm)
Small Children	35 Inches (889 mm)
Handicapped	37 Inches (940 mm)

Important: When Mounting over a countertop, distance between counter and dryer **MUST BE 15" (381 mm) MINIMUM.**

Refer to Table 2 for recommended fasteners.

Table 2 — Recommended Fasteners

Wall Type	Recommended Fastener
Masonry Wall	1/2" expansion sleeve with 1/4" lag bolt
Hollow Wall	1/4" wing type through bolt
Wooden Wall	1/4" lag screw with washer

INSTALLATION INSTRUCTIONS

Step 1 — Remove Cover

Using wrench provided, remove two tamper-proof fasteners from sides of dryer cover. Remove cover from dryer.

Step 2 — Attach Wall Plate to Wall

Attach wall plate to wall using the recommended fasteners shown in Table 2. Install a fastener at each corner of the wall plate. In locations where vandalism is a concern, install two additional mounting fasteners at the locations shown in the rough-in on page 2. Remove control assembly to access the right side mounting hole.

Step 3 — Connect Electrical Wiring

Connect a 110/120V dryer to a 15 Amp. branch circuit using at least #12 GA copper wire. (Do not exceed a 20 Amp. branch circuit). Connect a 220/240V dryer to no more than a 15 Amp. branch circuit using at least a #14 GA copper wire. Attach lines to terminals as indicated by the schematic inside dryer cover. Be sure that an equipment ground wire is securely fastened to green ground screw on base plate. For runs over 50 feet or for multiple installations, increase the size of the wire used. Dryers located in shower rooms or other wet locations should be installed with circuits protected by ground fault interrupter(s) or as local codes require.

Step 4 — Replace Cover

For multiple installations, before replacing cover, check the Serial Number marked inside the dryer to be sure it matches the Serial Number marked on the label at the bottom of cover. **DO NOT SWITCH COVERS.** Install Cover using the two tamper-proof fasteners.

Leave the special TAMPER PROOF WRENCH with the owner.

NOTE: If the dryer will not turn on, stays on or stops working, it may be mounted too close to a counter or object. Turn off power to dryer for 10 seconds and then reapply power. If dryer starts, then turn off again, relocate the object or remount dryer. If this is not possible, adjust the range of the sensor by turning the potentiometer on the control board clockwise to decrease sensor range. Please contact the Sloan Installation Engineering Department at **1-888-SLOAN-14 (1-888-756-2614)** and one of our trained technicians will be happy to assist you.

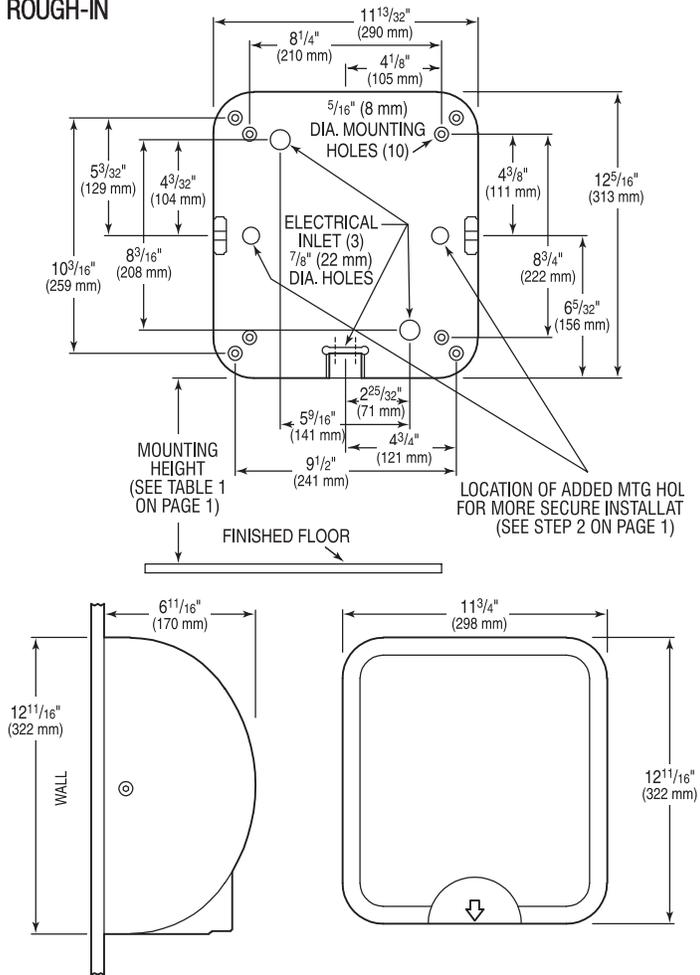
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LIMITED WARRANTY

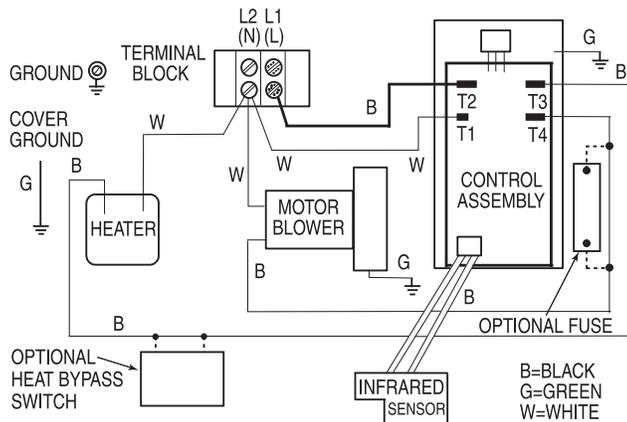
Sloan Valve Company warrants its XLERator® Hand Dryer to be made of first class materials, free from defects of material or workmanship under normal use and to perform the service for which it is intended in a thoroughly reliable and efficient manner when properly installed and serviced, for a period of five years (1 year for special finishes) from date of purchase. During this period, Sloan Valve Company will, at its option, repair or replace any part or parts which prove to be thus defective if returned to Sloan Valve Company, at customer's cost, and this shall be the sole remedy available under this warranty. No claims will be allowed for labor, transportation or other incidental costs. This warranty extends only to persons or organizations who purchase Sloan Valve Company's products directly from Sloan Valve Company for purpose of resale.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO EVENT IS SLOAN VALVE COMPANY RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY MEASURE WHATSOEVER.

ROUGH-IN



WIRING DIAGRAM — 110/120 and 220/240 VAC

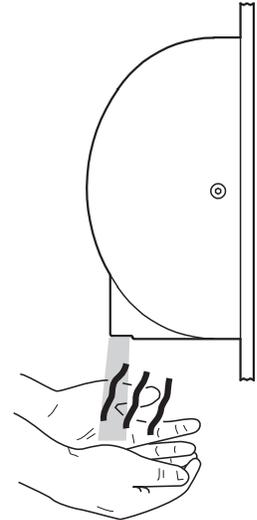


NOTE: Upon completing installation and checking for proper operation, it is highly recommended that a bead of silicone sealant be placed around the outside of the cover at the wall to protect dryer from internal corrosion caused by wash water and cleaning solutions.

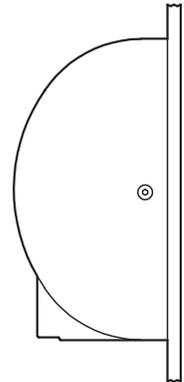
If further assistance is required, contact your nearest Sloan Representative office or the Sloan Installation Engineering Department at: **1-888-SLOAN-14 (1-888-756-2614)**.

OPERATION

- When the Infrared Sensor detects hands beneath the exhaust port, it activates the XLERator® Hand Dryer. Water droplets are first blown from hands with a strong controlled air blast. Residual moisture is then evaporated with a warm stream of air up to 135° F/57° C.



- After hands are withdrawn from the Sensor's detection zone, or after a maximum of thirty-five (35) seconds of continuous operation, the Hand Dryer automatically stops. It is then ready for the next user.



CLEANING INSTRUCTIONS

Important:

DISCONNECT ELECTRICAL SUPPLY TO DRYER PRIOR TO SERVICING.

Outside

Gently wash cover (including air Inlet holes) using a soft cloth or sponge and a mild soap or detergent with lukewarm water to loosen dirt and grime.

Inside

CLEANING SHOULD BE PERFORMED BY QUALIFIED SERVICE PERSONNEL

With normal use, dryer will require cleaning once a year. **Heavier usage requires more frequent cleaning.** Lint on the air inlet or other internal parts of dryer will reduce efficiency and shorten the life of the working parts. To clean, remove cover by unscrewing the tamper-proof fasteners from cover with the special wrench provided with each dryer. Use a small, soft brush to gently clean all parts.

TROUBLESHOOTING GUIDE

As with any electrical appliance, repairs to be performed by qualified service personnel.

I. If dryer does not turn on

- A. Verify that the dryer is receiving power by checking electrical service, circuit breaker or fuse to the dryer. If power is OK,
- B. Check voltage to dryer terminal block. If OK,
- C. May be mounted too close to a counter or object. (see installation note). If OK, see option D.
- D. Check for loose wires on dryer control and for foreign material on dryer sensor next to air outlet. If OK,
- E. Replace dryer control.

II. If dryer does not shut off

- A. May be mounted too close to a counter or object (see installation note). If OK, see option B.
- B. Check for loose, disconnected or improper wiring at dryer control. If OK, see option C.
- C. Replace dryer control.

III. If dryer heats up but no air comes out

- A. Check motor fuse if so equipped. If OK, see option B.
- B. Replace motor.

IV. If dryer does not always turn on, or turns on by itself

- A. May be mounted too close to a counter or object (see installation note). If OK, see option B.
- B. Check for foreign material on optical sensor next to air outlet. If OK, see option C.
- C. Check for loose wires on dryer control. If OK, see option D.
- D. Replace dryer control.

V. If dryer blows only cold air

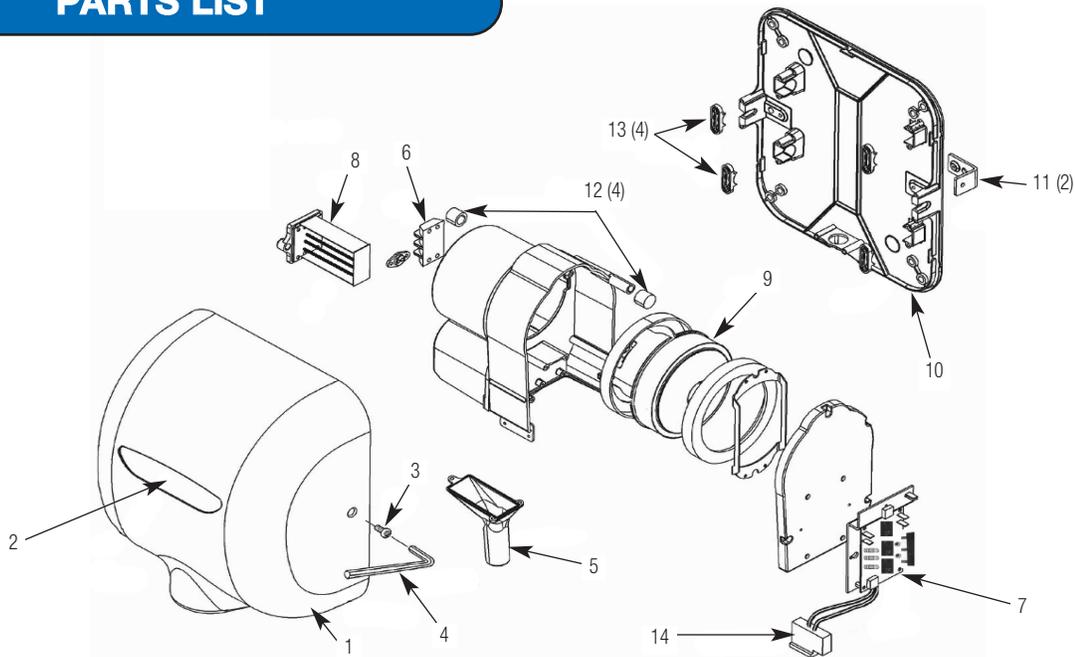
- A. Check for loose connections to heating element. If OK, see option B.
- B. Replace heating element.

VI. If dryer has a loss of air volume

- A. Check for air leaks at the heating element. If leaking, replace heating element. If OK, see option B.
- B. Check for slow running motor or burning smell. If so, replace motor.

If further assistance is required, please contact the Sloan Installation Engineering Department at: **1-888-SLOAN-14 (1-888-756-2614)**.

PARTS LIST



Item #	Part #	Description	Item #	Part #	Description
1.	—	Cover (includes Nameplate)	8.	—	Heating Element Assembly
2.	—	Nameplate	9.	—	Motor Assembly (includes gaskets & wire harness)
3.	—	Tamper-proof Fastener	10.	—	Wall Plate Assembly (includes cover mtg. brackets)
4.	—	Tamper-proof Wrench	11.	—	Cover Mounting Brackets
5.	—	Air Outlet (includes gasket & fasteners)	12.	—	Housing Grommet
6.	—	Terminal Block (includes fasteners)	13.	—	Housing Retainer
7.	—	Control Assembly & Sensor	14.	—	Optics Assembly (Sensor)

NOTES: Model, Serial Number and Voltage of this dryer MUST BE included when ordering parts.

For dryers with voltages not shown or part numbers not shown, please contact Sloan Installation Engineering Department at: **1-888-SLOAN-14 (1-888-756-2614)**.

The information contained in this document is subject to change without notice.