

SUPRATECH

HYGIENE ON THE MOVE!



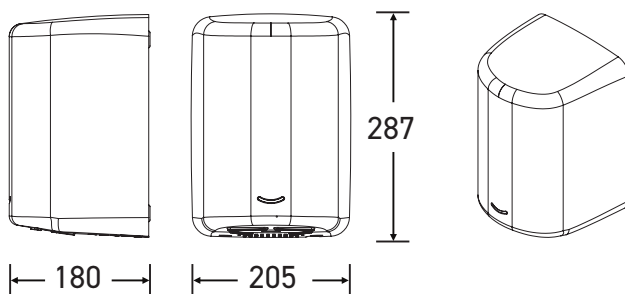
SM-3001-LB

**HIGH-SPEED, LOW NOISE
STAINLESS STEEL AUTOMATIC
HAND DRYER**

INSTALLATION AND MAINTENANCE GUIDE

High-speed, low-noise stainless steel electric hand dryer

Ref. **SM-3001-LB / SM-3002-LB / SM-3003-LB / SM-3004-LB**



TECHNICAL FEATURES

Operating voltage	220-240 Vac, frequency 50 or 60 Hz, 5.4 - 5.8 A, 1.19 - 1.4 kW
Air outlet temperature	55°C - ambient temperature 25°C (max, adjustable)
Air outlet speed	65-95 m/s
Air flow rate	108 m³/h
Motor	350-700 W, 12000-18000 rpm, adjustable, carbon type, double ball bearings
Motor thermal protection	Auto resetting thermostat turns unit off at 135 °C
Heater element	350-700 W, adjustable
Heater thermal protection	Auto resetting thermostat turns unit off at 85°C. Cut-off fuse at 142°C
Drying time	9 seconds
Operating	Infrared automatic, self adjusting
Sensor	Adjustable from 100 to 230 mm, standard 170 ± 20 mm
Timing	Safety shut-off after 60 seconds without interruption
Drip proof	IP31 (IP33 on demand)
Isolation électrique	Classe 1
Poids net	5.5 kg
Dimensions	L205 x P180 x H287 mm

> FINISHING

- SM-3001-LB - brushed SS (thk.1.5 mm)
- SM-3002-LB - bright SS (thk.1.5 mm)
- SM-3003-LB - white steel (thk. 1.6 mm)
- SM-3004-LB - matt black steel (thk. 1.6 mm)

GENERAL SAFETY INFORMATION

DANGER

- Incorrect earthing can cause serious electric shock.
- Electrical connexion with three cables, including an earthing cable connected to the hand dryer base.

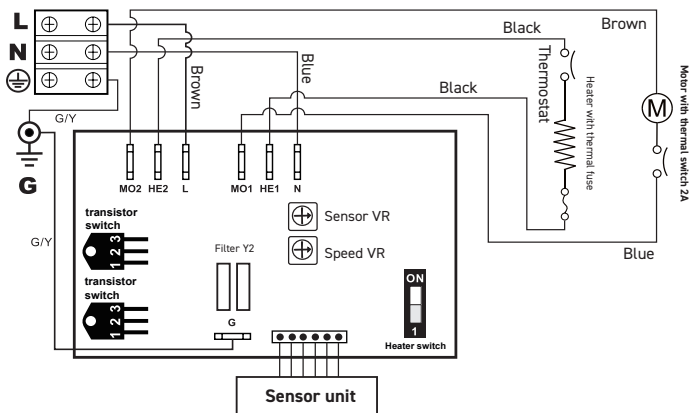
WARNING

- Installation by qualified workers only.
- Use 2.5 mm² electrical cables in accordance with current standards.
- Protect the device with a 30 mA residual current device (RCD).
- Switch off the power supply before installation or maintenance.

NOTE

- If the power supply cable is damaged, it must be replaced by the manufacturer, their distributor or a qualified professional to avoid any risk. Disconnect only the fixed cable, following the applicable electrical connection regulations.
- This device may be used by **children aged 8 year** or above and by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, provided they have been given supervision or instruction concerning the safe use of the device **and understand the hazards involved**.
- Children should be supervised to ensure that they do not play with the device.
- **Cleaning and maintenance by the user shall not be performed by children without supervision.**

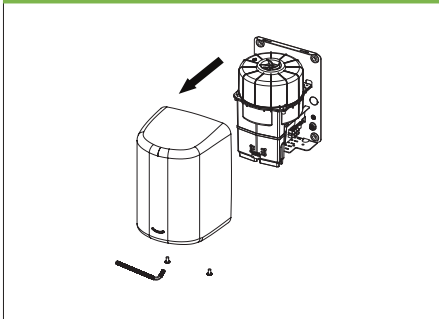
CIRCUIT DIAGRAM



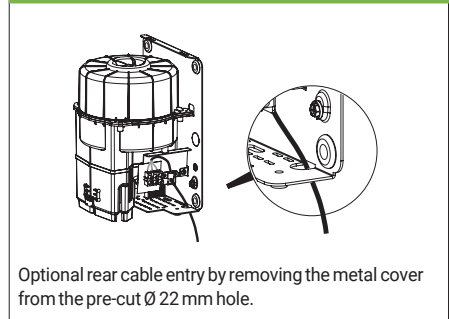
INSTALLATION

NOTE: For two or more hand dryers, the distance between each must be at least 610mm minimum.

1 - REMOVE AND KEEP THE TWO SCREWS AND THE COVER

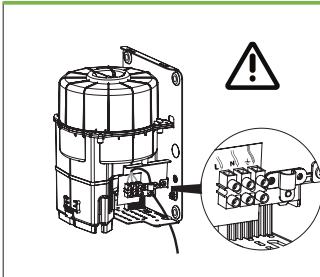


2 - INSERT THE CABLE THROUGH THE THREADER



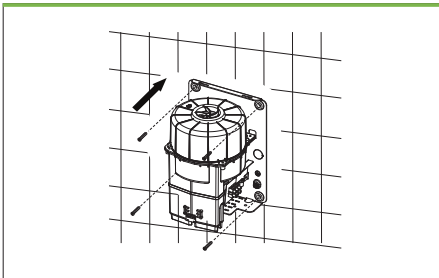
Optional rear cable entry by removing the metal cover from the pre-cut Ø 22 mm hole.

3 - MAKE THE CONNECTIONS AS FOLLOWS:

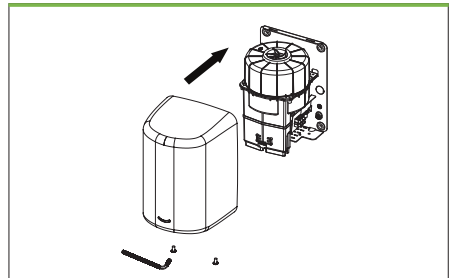


- A. Connect the phase cable (brown) to the 'L' black terminal.
- B. Connect the neutral cable (blue) to the 'N' terminal.
- C. Connect the earth cable (green/yellow) to the green screw marked ⏚ .

4 - FIX THE PLATE TO THE WALL WITH FOUR SCREWS 1/4 X 1-3/4"



5 - REPLACE THE COVER AND TIGHTEN IT WITH AN ALLEN KEY.



RECOMMENDED HEIGHTS

Male	1270 mm
Female	1194 mm
Children 4-7 years	889 mm
Children 8-10 years	991 mm
Children 11-13 years	1092 mm
Children 14-16 years	1194 mm
P.R.M	1016 mm

(between the bottom of the unit and the finished floor)

USE

- Touch free.
- Shake your hands to remove excess water.
- Place your hands under the air outlet to start the drying process.
- Rub your hands gently and quickly.
- Automatically shuts off when hands are removed.

CLEANING AND MAINTENANCE

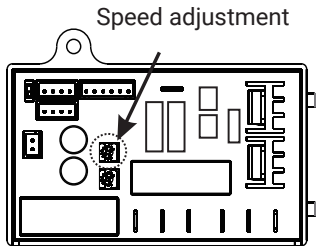
Regular cleaning is recommended to ensure optimal operation.

- Switch off the power supply.
- Remove the two cover screws and the cover.
- Clean all the dust inside the hand dryer.
- Wipe the cover with a damp cloth and a mild cleaning solution. Do not soak.
- Never use abrasives on the cover.
- Replace the cover. Do not overtighten.



ADJUSTMENTS

Switch off the supply power and remove the cover by unscrewing the two screws.



> Hot air speed adjustment

Use a Phillips screwdriver sufficiently thin and long to reach through the access hole (Ø4.8 mm) in the bottom grid of the cover.

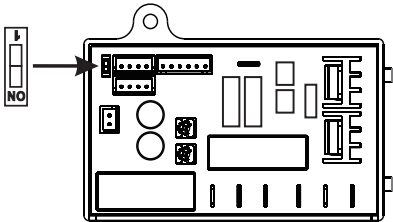
The speed adjustment potentiometer is visible through the slots in the grid.

Gently turn the potentiometer to the right to increase, and to the left to decrease.

(Warning: DO NOT FORCE ANY FURTHER TURN)

Please note that at minimum power, the device may not start if the voltage is low.

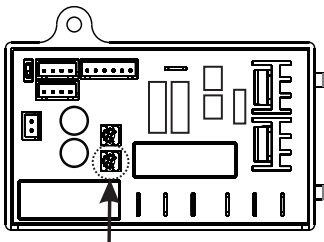
Switch



> Heater element ON/1 switch

Adjust the switch located on the electronic board using a thin, long screwdriver:

- ON: heater element on.
- 1: heater element off.



Sensor range
adjustment

> Sensor range adjustment

Standard range 170 ± 20 mm.

Adjustable from 100 to 230 mm.

Use a small Phillips screwdriver:

- Turn to the right to increase (+) ↻
- Turn to the left to decrease (-) ↻

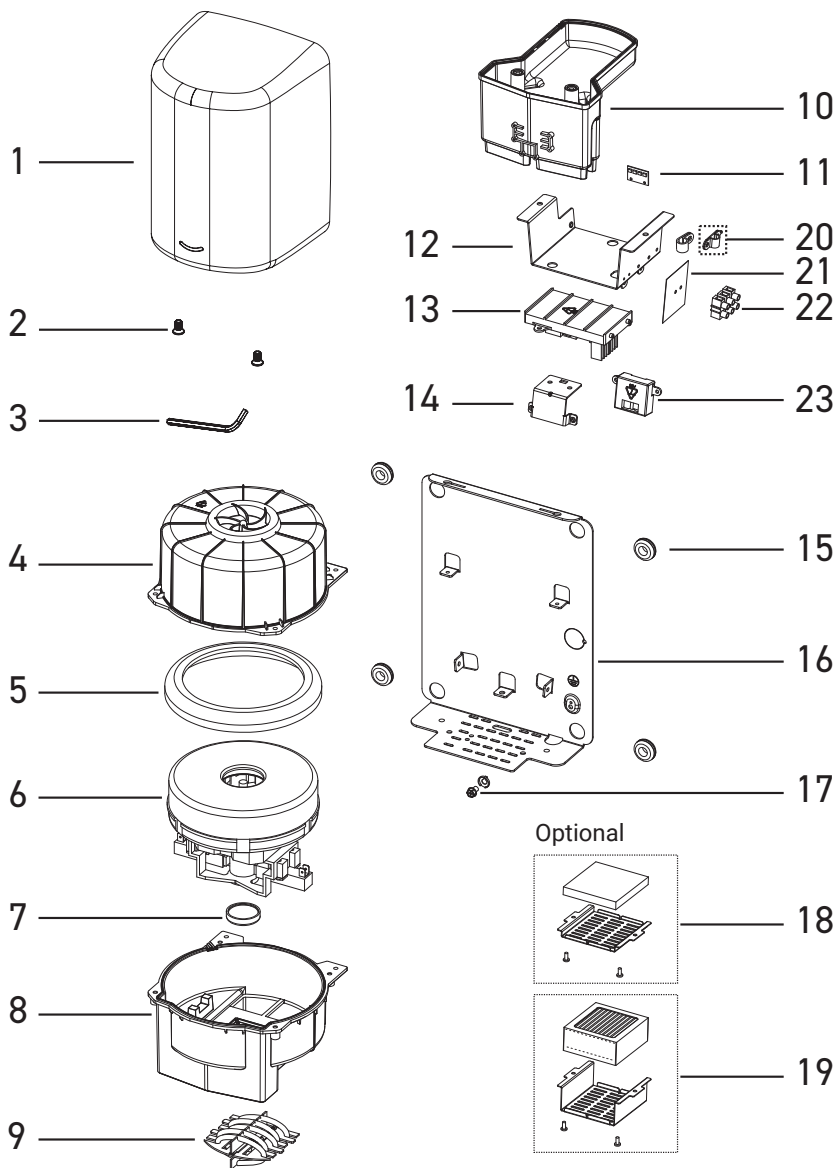
Turn gently. DO NOT FORCE ANY FURTHER.

TROUBLESHOOTING

PROBLEM	TROUBLESHOOTING FOR INITIAL INSTALLATION FAILURE
The hand dryer does not run	Ensure that the breaker supplying the dryer is engaged. If it is, isolate the power and remove the hand dryer cover. Taking suitable precautions to avoid shock hazard, reconnect the power and check for voltage at the terminal block. Check that the connections are made correctly. Ensure that the speed adjustment is not set too low.
The hand dryer cycles by itself or runs continuously	Ensure that there are no obstructions in front of or on the sensor. Clean the infrared sensor. If problem persists, replace sensor.
The hand dryer makes a muffled sound and does not run for a complete cycle	Ensure that the power supply voltage is correct following the hand dryer label. The hand dryer will make a loud humming noise if the input voltage is too high. Replace damaged elements (PCB and sensor).
The hand dryer runs but the airflow is weak	Ensure that the power supply voltage is correct. The dryer will run weakly if the input voltage is too low. Correct the power supply as required.

PROBLEM	TROUBLESHOOTING FOR IN SERVICE FAILURES
The hand dryer does not run	Ensure that the breaker supplying the dryer is operational. If it is, isolate the power and remove the hand dryer cover. Replace PCB and sensor. Taking suitable precautions to avoid shock hazard, reconnect the power and check for voltage at the terminal block.
Very short detection range	Ensure that there are no obstructions in front of or on the sensor. Clean the infrared sensor. If problem persists, replace sensor.
The heater heats up but there is no airflow	Unplug the power cord. Remove the cover and open the blower housing. Replace the hand dryer motor.
The hand dryer blows cold air	Unplug the power cord. Remove the cover and open the blower housing. Test the open circuit thermostat. Check the heater element for signs of burning and/or damage. Replace damaged elements.
The hand dryer runs but the airflow is weak	Check that the air outlet is unobstructed. If there are no obstructions, unplug the power cord. Remove the cover. Remove dust, dirt build-up on ventilation slits. Open the blower housing. Check motor brushes for wear (≤ 10 mm of graphite) and replace if necessary.

SPARE PARTS LIST



SPARE PARTS LIST

N°	DESCRIPTION
01	Cover
02	Safety hexagonal screws
03	Safety hexagonal key
04	Blower housing (top)
05	Rubber motor seal (large)
06	Motor
07	Rubber motor seal (small)
08	Blower housing (bottom)
09	Heater element
10	Air outlet
11	LED components
12	Air outlet bracket
13	Electronic board
14	Sensor bracket
15	Rubber rings
16	Plate
17	Earthing screw
18	Filter components (optional)
19	HEPA filter components (optional)
20	Cable clamp
21	Mylar insulator
22	Terminal
23	Sensor unit

LIMITED WARRANTY

This hand dryer is covered by a 3-year warranty from the date of purchase.

If a defect is reported during the normal usage period, you are entitled, at SUPRATECH's discretion, to either replacement or repair of the defective parts due to material or manufacturing defects.

SUPRATECH will not be responsible for any labour, installation or other additional or indirect costs other than those specified above. In no event shall SUPRATECH's liability exceed the purchase price of the product. This warranty does not cover breakdowns due to incorrect installation and maintenance, normal wear and tear.

This warranty does not cover product damage caused by the following:

- Incorrect installation.
- Improper use, modifications, defects, or lack of maintenance.
- Wear parts.
- Vandalism.

Failure to comply with the safety precautions and/or installation recommendations described in this installation guide will void the warranty.

For all warranty claims, please contact your plumbing contractor, dealer, or SUPRATECH directly.

Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the reference and model number, proof of purchase, and the installation date.

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SUPRATECH

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