

SUPRATECH

HYGIENE ON THE MOVE!



LM-238

**WALL-MOUNTED 3 IN 1 AUTOMATIC
HANDWASHING STATION
SOAP - WATER - AIR**

INSTALLATION AND MAINTENANCE GUIDE

Stainless steel handwashing station

SOAP - WATER - AIR

Ref. LM-238

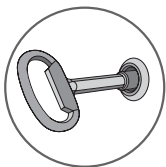
Hand-washing station in 2 mm thick AISI 304 stainless steel that combines all the essentials of the hand-washing cycle: soap, water and air.

Functions are automatically activated by placing the hand in the sensor area, and stop when the hand is removed.

Wall-mounted installation.

Dim.: W600 x D420 x H700 mm

1 1/4" waste outlet. Free flow drain supplied.



Opening / closing
with  service key

FAUCET

Vertical spout with self-adjusting infrared sensor for cold or pre-mixed water.

- 6 LPM water flow (1.9 LPM upon request).
- Security stop after 90 seconds without interruption.
- Water pressure: 0.5 - 8 bars. Max. temperature 70°C.
- Solenoid valve with F1/2" flexible.

SOAP DISPENSER

Vertical spout with infrared sensor.

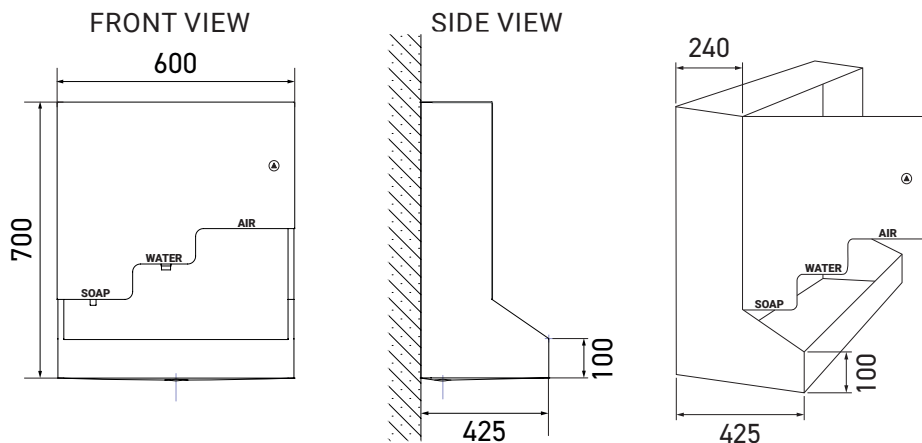
- Peristaltic pump for liquid soap.
- Easy to fill refillable 1 L tank.
- Delivers a precise dose of soap.
- Automatic drip-proof dosing system.

HAND DRYER

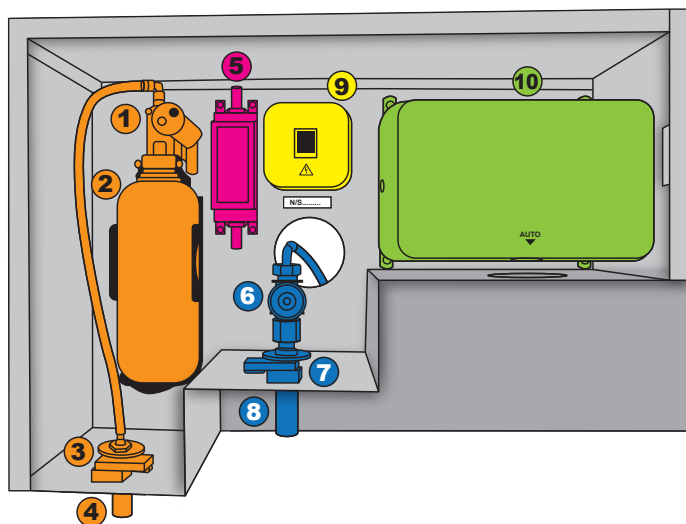
230V 920W - 4 A energy-saving high-speed hand-dryer with infrared detection.

- Adjustable airflow and volume level.
- Heated or ambient air switch.
- Dries within 9 seconds (according to UL PCR hand dryer rule).

DIMENSIONS



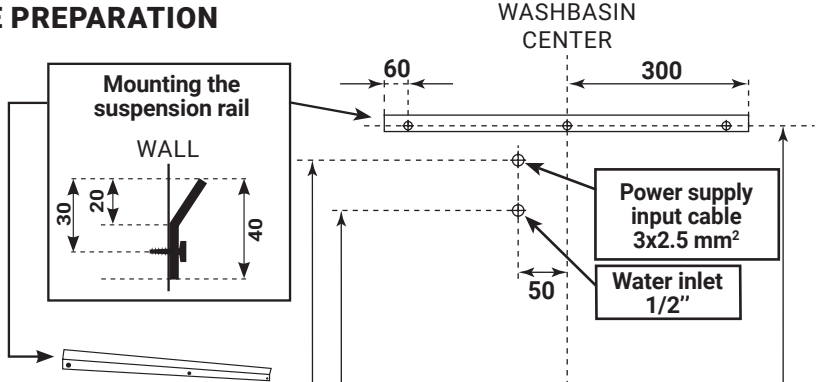
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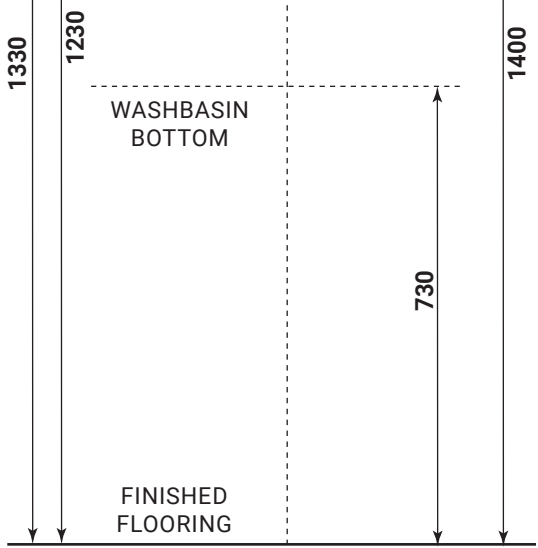
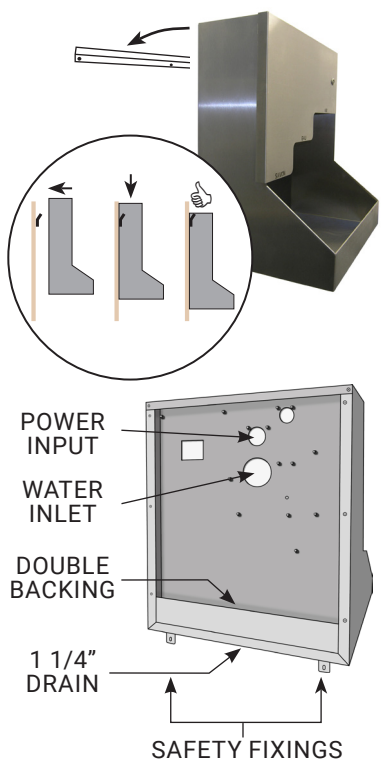
- | | | |
|-------------------------|------------------------|--------------------------------|
| ① Soap dispenser pump | ⑤ 230/12 V transformer | |
| ② Soap tank and support | ⑥ Solenoid valve | ⑨ Power supply box with switch |
| ③ Soap dispenser sensor | ⑦ Faucet sensor | ⑩ Electric hand dryer |
| ④ Soap dispenser spout | ⑧ Faucet spout | |

INSTALLATION

1 - SITE PREPARATION

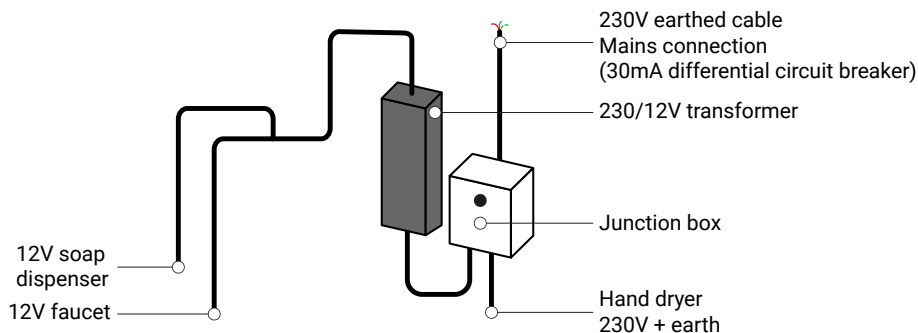


2 - WASHBASIN PLACEMENT ON RAIL



Water and electricity inlets are best positioned facing the intended holes in the appliance.

30 mm double backing for electrical wiring and water supply.



POWER SUPPLY

Connect the 3x2.5 mm² cable to the integrated junction box.
Protect the equipment with a 30 mA differential circuit breaker.

WATER SUPPLY

F1/2" stainless steel flexible hose connection.

**Flush water supply lines thoroughly before installing the faucet.
Do not allow dirt, Teflon tape, or metal particles to enter the faucet.**

FOR THE WATER FAUCET

- 1 - Wait for 15 seconds after connecting to the power source before placing your hands in the sensor area.
The solenoid valve will open and close for 1 second to indicate that the ideal sensor range has been set and the product is ready for use.
- 2 - Turn on the main water supply line. Check for leaks.
- 3 - If the automatically set sensor range is not satisfactory, use the RES-30 or RES-31 remote control (optional) to adjust the settings.



IMPORTANT: All plumbing and electrical work must be carried out by qualified personnel in accordance with local codes and regulations.

OPERATION

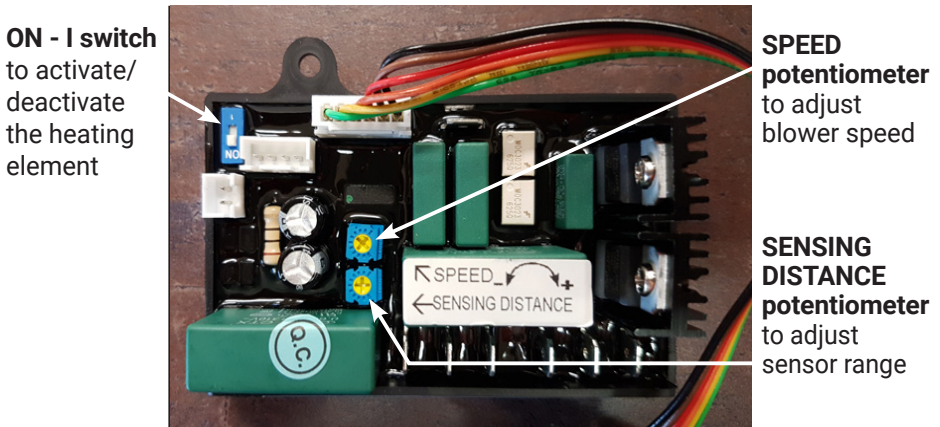
FOR THE HAND DRYER

After connecting the power supply, wait about 15 seconds before placing your hands in the sensor range.

The sensor detects its environment to establish the optimum detection length = continuous adjustment based on the surroundings and lighting conditions.

If the sensor does not operate normally, wait about 20 seconds and the range will return to normal. Or disconnect and reconnect the power plug and wait 3 seconds for the automatic adjustments to take place.

If necessary, adjust the sensor range manually using the potentiometer on the PCB. For example, if the hand dryer is triggered automatically when the light comes on when the door is opened = reduce the detection range by turning the SENSING distance potentiometer a quarter turn to the left.



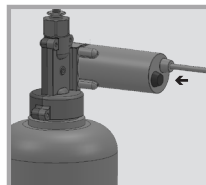
FOR THE SOAP DISPENSER

Wait for 10 seconds after connecting to the power source before placing your hands in the sensor range.

OPERATION

FILLING THE SOAP TANK

- 1 - Remove the 1L tank from its support.
- 2 - Fill with soap up to the top line.
- 3 - Put the tank back onto its support.
- 4 - Press the refill button on the back of the pump to prime the soap until it comes out of the spout. This step can also be completed using the FILL button on the RES-38 or RES-30 (optional) remote control.



NOTE: *the tank must be refilled once the soap reaches the bottom line.*

MAINTENANCE

FILTER CLEANING INSTRUCTIONS:

This faucet is provided with a stainless steel filter, preventing foreign particles from entering the solenoid valve. It is recommended to clean the filter every 6 months. If the water flow has decreased, this may be because the filter is dirty and/or clogged. Clean under running water.

CARE AND CLEANING OF STAINLESS STEEL:

To preserve the stainless steel surface finish, regular care is recommended. Use a microfibre cloth soaked in water and neutral soap, or special stainless steel cleaning products. Rinse well and dry using a clean cloth.

DO NOT USE STEEL BRUSHES OR SCOURING PADS, BLEACH OR STRONG ACIDS (THEY WILL CAUSE FADING, SCRATCHES AND CORROSION), SOLVENTS, CREAMS, AEROSOLS OR OTHER ABRASIVE CLEANERS.

LIMITED WARRANTY

The 3 year warranty for the faucet and hand dryer and the 2 year warranty for the soap dispenser against any manufacturing defect or malfunction will, at SUPRATECH's discretion, be repaired, replaced or adjusted.

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, battery or water composition.

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

- Incorrect installation, inversion of supply pipes.
- Pressures or temperatures exceeding recommended limits.
- Improper manipulation, tampering, bad or lapsed maintenance.
- Foreign bodies, dirt or scale introduced by the water supply or soap tank.
- Use of soap outside viscosity recommendations.
- Alteration of the original soap dispenser components (including pipes).
- Wear parts (motor brushes, hand dryers)
- 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. Each claim will be assessed on a case-by-case basis to determine eligibility for repair, replacement, or adjustment.

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.

PROBLEM	INDICATOR	CAUSE	SOLUTION
No running water	1. The sensor's blue LED does not turn on when user's hands are within sensor range	1. The range is too short.	Increase range.
		2. The range is too long.	Decrease range.
		3. The unit is in "Security Mode".*	
		4. Sensor is picking up reflections from the washbasin.	Decrease sensor range with the RES-30 remote or eliminate reflection source.
	2. The sensor's blue LED flashes once when user's hands are within sensor range	1. Faulty connection/wiring between sensor and solenoid valve.	Re-connect sensor and solenoid valve properly.
		2. Dirt or scale in the solenoid.	Unscrew and clean the solenoid valve.
		3. The central opening of the diaphragm is blocked or torn.	Clean the opening or replace the diaphragm.
		4. The water supply pressure of the faucet is greater than 8 bars.	Decrease water supply pressure or use a pressure reducing valve.
Water does not stop running	1. The sensor's blue LED flashes once when user's hands are within sensor range	Dirt or scale in the diaphragm.	Clean the opening or replace the diaphragm.
	2. The sensor's blue LED does not flash when user's hands are within range	1. The sensor is dirty.	Clean or remove obstructions.
		2. Sensor is picking up reflections from the washbasin.	Decrease sensor range with the RES-31 remote or eliminate reflection source.
Weaker water flow		Filter or aerator is clogged.	Remove, clean, re-install.

*Security mode: if the sensor is obstructed for more than 90 seconds, the faucet will automatically stop running. To return to regular operation, remove obstruction.

PROBLEM	INDICATOR	CAUSE	SOLUTION
Soap not dispensing	Sensor's blue LED flashes when user's hands are within range	The soap tank is empty.	Fill with soap of correct viscosity (100 - 3800 cPS) and prime pipes using the FILL button on remote control or by pressing the refill button on the pump.
		The soap tank has not been primed.	Prime the soap dispenser by pressing the FILL button on the remote or by pressing the refill button on the pump, until soap exits the spout.
		Damaged pump (discharge from housing).	Replace the pump.
		Debris or dried soap in the pipe or tank.	Using the button on the pump, run hot water through the pipe, the pump, and the dispenser all the way to the spout. Replace with soap of correct viscosity.
		High viscosity soap (>3800 cPs).	NOTE: Using the soap dispenser with high viscosity soap may cause damage to the pump and shorten the lifecycle.
		Bent pipes.	Unbend or straighten pipes.
		Faulty connection of AUX connector.	The connector should be inserted fully until the white o-ring is no longer visible. Remove the o-ring if necessary.
	Sensor's blue LED does not flash when user's hands are within range	Faulty connection of AUX connector.	The connector should be inserted fully until the white o-ring is no longer visible. Remove the o-ring if necessary.
		Debris or dried soap in the pipe or tank.	Using the button on the pump, run hot water through the pipe, the pump, and the dispenser all the way to the spout. Replace with soap of correct viscosity. NOTE : Using the soap dispenser with high viscosity soap may cause damage to the pump and shorten the lifecycle.
		Reflection issue from washbasin or other object.	Eliminate any cause of reflection and/or, if necessary, use remote control to shorten detection range.
Soap runs continuously		Faulty connection of AUX connector.	The connector should be inserted fully until the white o-ring is no longer visible. Remove the o-ring if necessary.

PROBLEM	TROUBLESHOOTING FOR INITIAL INSTALLATION FAILURES
The hand dryer does not run	Ensure that the breaker supplying the dryer is operational. If it is, disconnect 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.
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. Shorten detection range using the SENSING DISTANCE potentiometer. 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. 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, disconnect 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 (≤ 30 mm of graphite) and replace if necessary.

SUPRATECH

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