

# **SUPRATECH**

*HYGIENE ON THE MOVE!*



## **RONDEO**

**PANEL-MOUNTED  
AUTOMATIC HAND DRYER**

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INSTALLATION AND MAINTENANCE GUIDE

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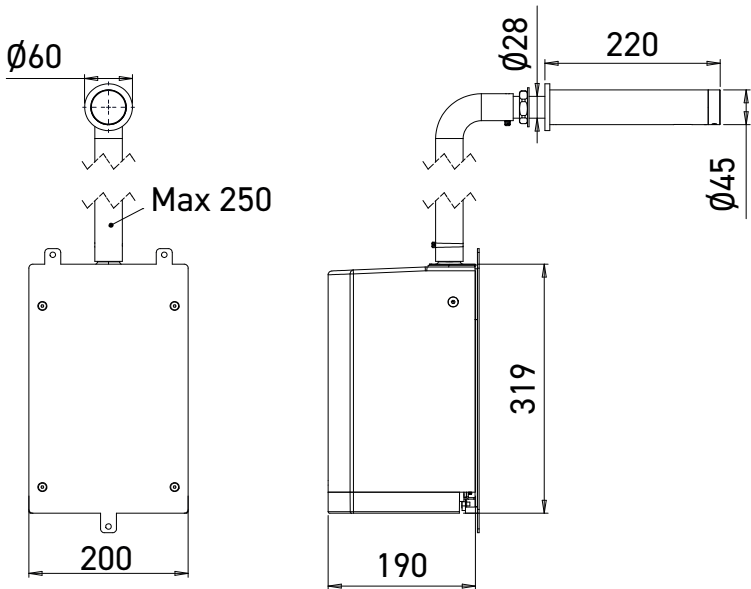
**RONDEO wall-mounted hand dryer**Ref.: **SM-20****INDEX**

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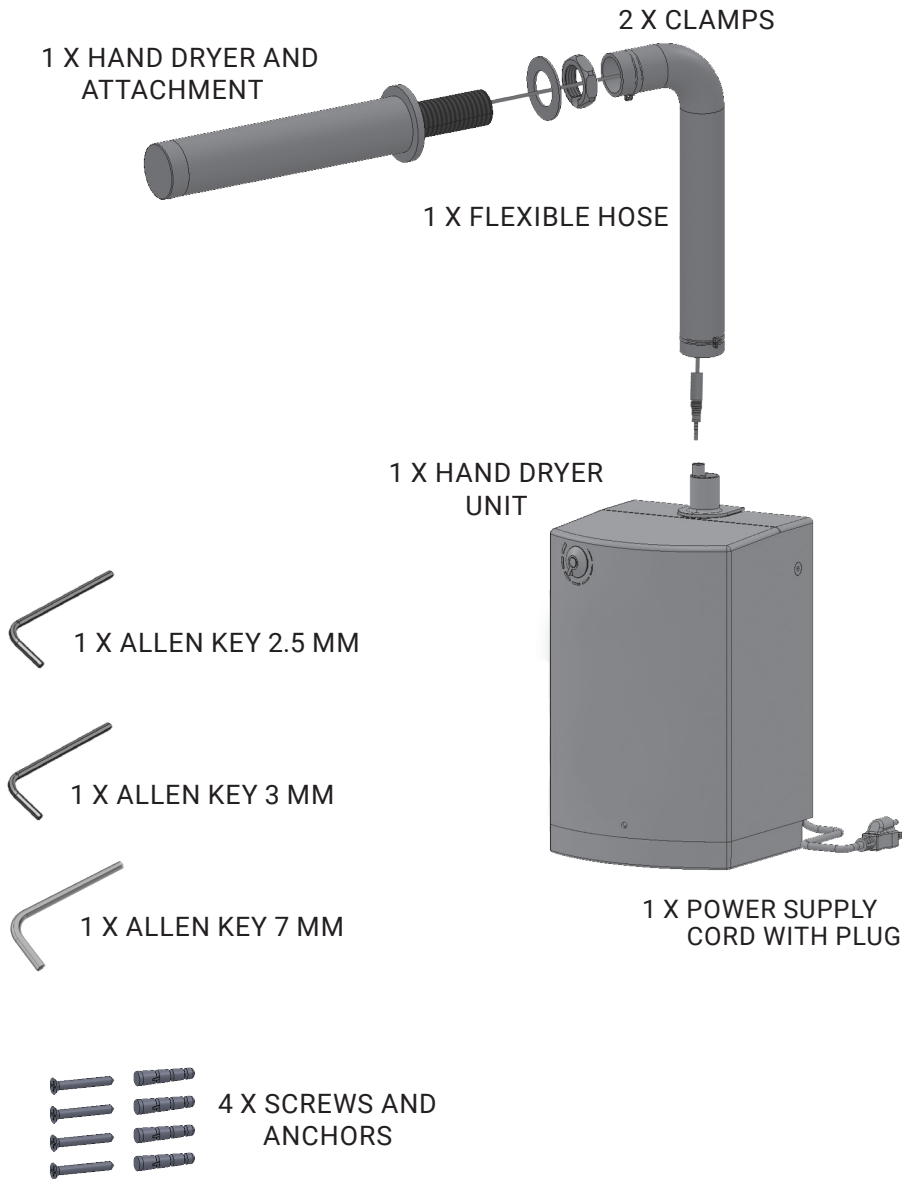
# TECHNICAL CHARACTERISTICS



Operating voltage	220 - 240 V, 50/60 Hz, 6.1 - 6.7 A, 1.34 - 1.6 Kw
Heater element	450 - 900 W (adjustable)
Heater thermal protection	Auto resetting thermostat turns unit off at 85°C
Motor thermal protection	Auto resetting thermostat turns unit off at 95°C. Cut-off fuse at 142°C.
Sensor	Infrared automatic, self adjusting
Sensor range	80 to 450 mm, standard 220 mm (adjustable)
Timing	Safety shut-off after 60 sec without interruption
Standby power	0.3 - 0.4 W
Drip proof	IP 34
Protection	Class 1

# PACK CONTENTS

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## GENERAL SAFETY INFORMATION

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- Connect to a 230V earthed cable.  
Protect the equipment using a 30mA differential cut-off switch.
- When connecting the unit to the power supply, the means of disconnection must be incorporated into the fixed wiring in accordance with local wiring regulations. The means of disconnection from the power supply must have contact separation in all poles to ensure complete disconnection under category III overvoltage conditions.
- This appliance is not intended for use by people (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed by a person responsible for their safety.
- Children must be supervised to ensure that they do not play with the appliance.

### **DANGER**

#### **RISK OF FIRE OR ELECTRIC SHOCK !**

- All electrical work must be carried out by a qualified electrician and in accordance with national, regional and local electrical codes in force at the time of installation.
- Use this appliance only as intended by the manufacturer.
- Disconnect the power supply before installing or servicing the appliance.

## PRE-INSTALLATION

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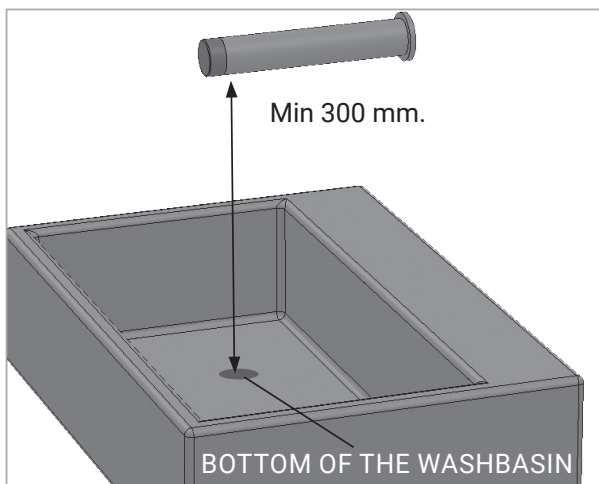
### CHECK CONTENTS

Separate all parts from the packaging and check each item using the PACK CONTENTS section. Make sure all parts are accounted for before discarding any packaging material.

If any parts are missing, do not attempt to install your electronic hand dryer until you have obtained the missing parts.

### WARNING

To prevent reflection problems, it is recommended to keep a minimum distance of 300 mm between the bottom of the washbasin and the hand dryer spout.



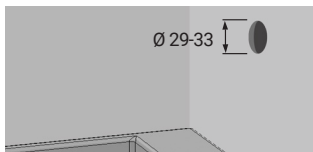
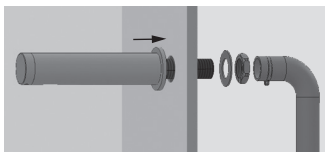
### IMPORTANT

This hand dryer model with infrared sensor pointing down, is not intended to be used with a washbasin of reflective material such as bright stainless steel.

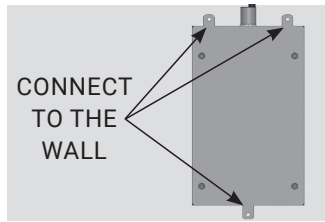
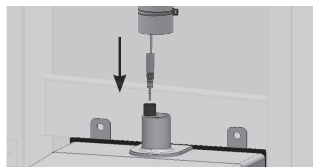
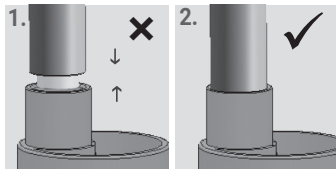
If the drain is straight below the hand dryer sensor, use a drain with a non-reflective finish (do not use a chrome plated one).

# INSTALLATION

## STEP 1 – INSTALLING THE HAND DRYER SPOUT

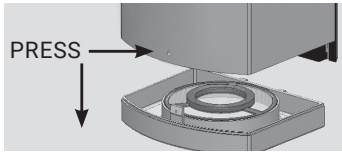


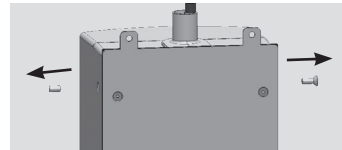
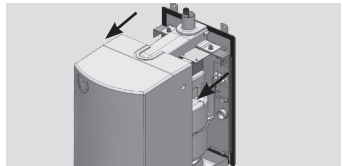
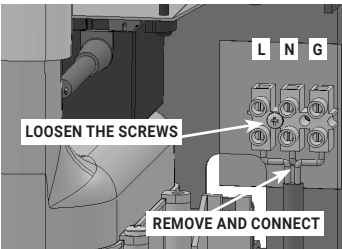
1	Cut a Ø29-33 mm hole in the wall at the desired location.	
2	Insert the hand dryer spout into the hole in the wall and secure the base from the rear using the nut and disk. Secure the sheath to the base using the clamps.	

## STEP 2 – INSTALLING THE MOTOR UNIT

1	<p>Position unit at the end of the air hose. Mount the motor firmly to the wall.</p> <p><b>NOTE :</b></p> <ul style="list-style-type: none"><li>- <b>Hose length cannot be cut.</b></li><li>- <b>Make sure the bottom of the unit has a clearing of at least 50 mm from any object.</b></li></ul>	
2	Connect the AUX cable coming from the sensor to the top of the motor.	
3	Please note that as the connector is waterproof, it may be necessary to apply some pressure. If the white o-ring is visible, the connection is not correct. Only the grooves should be visible.	

# INSTALLATION

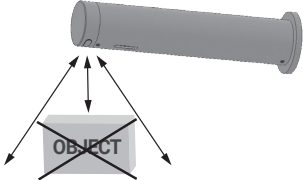
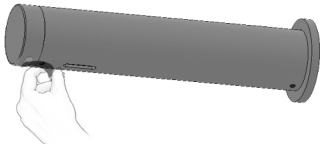


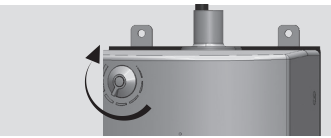
## BARE WIRE CONNECTION VARIANT - CABLE CHANGE

1	Remove the Hepa filter cover by pressing through the hole on the clip.	
2	Remove the knob cover using a flat-head screwdriver. Remove screw using Allen key before removing the knob.	
3	Loosen the lower locking bolt with a 3 mm Allen key.	
4	Remove the 2 locking screws located on both sides of the motor unit using the Allen key supplied.	
5	Remove the cover of the motor unit.	
<b>NOTE:</b> To connect a hardwire cable or to change the existing power cable, see relevant section below.		
6a	Loosen the screws on the terminal block to remove the electrical cable.	
6b	Instead, screw on the bare-wire power supply cable connected to the electrical terminal.	
7	Reassemble cover, knob, and filter housing.	

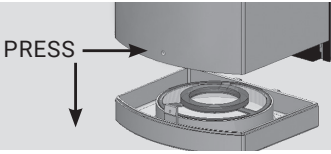


# INSTALLATION

## STEP 3 - CONNECTING THE POWER SOURCE

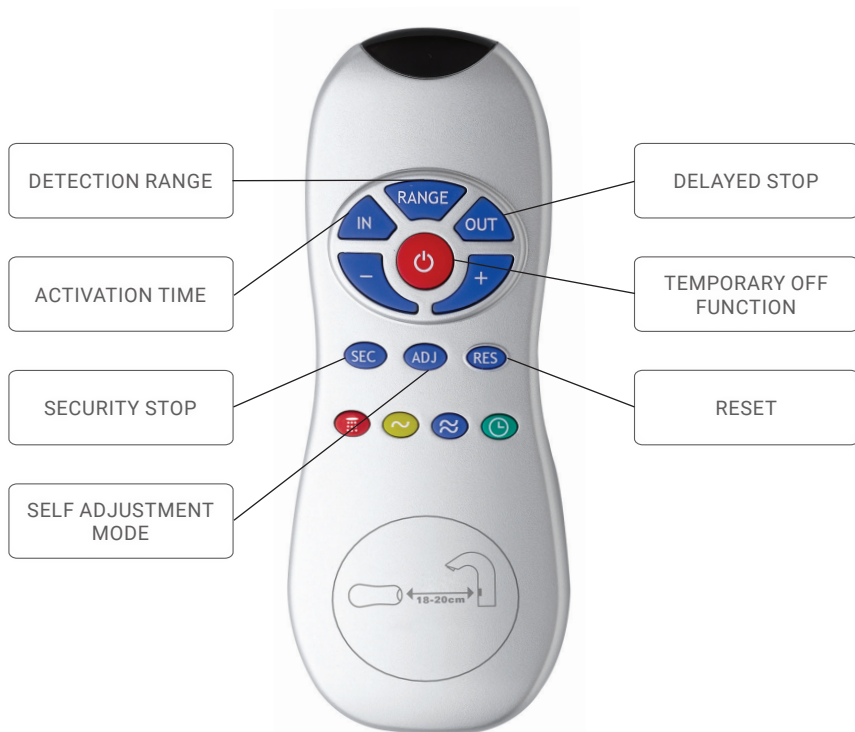
1	Before proceeding, check that no objects are in front of the sensor.	
2	Remove the protective sticker and exit sensor range.	
3	Connect to power.	
4	After connecting the power source, wait 15 seconds to allow the system to set the ideal sensor range.	
<b>NOTE:</b> The power of the hand dryer can be adjusted more or less using the control knob on the motor unit.		

## CHANGING THE FILTER

Remove the Hepa filter cover by pressing through the hole on the clip. Remove and clean, or replace filter. Click the filter cover back into place.	
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## SETTING ADJUSTMENTS

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### SETTING ADJUSTMENTS WITH THE (OPTIONAL) RES-31 REMOTE CONTROL

The ideal detection range will be set automatically.  
If necessary, the sensor settings can be adjusted as follows:








To adjust the sensor using the remote control, hold the remote directly in front of the sensor at about 15-20 cm away.

Select the function you wish to adjust by pressing the corresponding button once.

After pressing the function button once, the blue LED on the sensor will flash quickly.

At this point, you can adjust the setting by pressing the (+) or (-) buttons, each press increasing and decreasing by one level.

## SETTING ADJUSTMENTS

	<p><b>DETECTION RANGE:</b> the detection range represents the optimum distance at which a hand must be placed to trigger the system. Press the <b>RANGE</b> button. Wait for the blue LED to flash on the sensor. Then press <b>(+)</b> to increase the range and <b>(-)</b> to decrease it.</p>
<p><b>NOTE:</b> even in the event of a power cut, once the detection range has been set using the remote control, it is memorised.</p>	
	<p><b>ACTIVATION TIME:</b> the activation time function prevents accidental activation by setting a minimum presence time. If needed, the activation time can be adjusted as follows: Press the <b>IN</b> button. Wait for the blue LED to flash on the sensor. Then press <b>(+)</b> to increase the activation time or <b>(-)</b> to decrease it.</p>
	<p><b>DELAYED STOP:</b> the delayed stop function allows the user to change the running time after the user has moved their hands away from the sensor. A delayed stop time close to 0 will save energy whereas an increased time will make the experience more comfortable for the user. Press the <b>OUT</b> button. Wait for the blue LED on the sensor to flash. Then press <b>(+)</b> to increase the delay time or <b>(-)</b> to decrease it.</p>
	<p><b>TEMPORARY OFF FUNCTION:</b> The temporary off function is ideal for performing any activity in front of the sensor without operating the system (e.g., cleaning). The hand dryer will remain deactivated for 1 minute when this button is pressed once. To cancel this function and return to normal operations, press the <b>ON/OFF</b> button again or wait 1 minute.</p>
	<p><b>SELF ADJUSTMENT MODE:</b> make sure that no objects are in front of the sensor. Press the <b>ADJ</b> button. Wait for the blue LED to flash on the sensor. Remove the hand holding the remote control and move away from the detection range. The ideal detection range will be set automatically.</p>
	<p><b>SECURITY STOP:</b> the security stop function prevents continuous running of the hand dryer, in the event of reflection or vandalism. By default, if the sensor is covered for more than 90 seconds, the dryer will automatically stop. To resume regular operation, all obstructions must be removed. Press the <b>SEC</b> button. Wait for the blue LED to flash on the sensor. Then press <b>(+)</b> to increase the security stop time or <b>(-)</b> to decrease it.</p>
	<p><b>RESET:</b> the <b>RESET</b> button restores all factory settings except for the detection range (to adjust the detection length, use the <b>RANGE</b> button). Press and hold down the <b>RESET</b> button and, at the same time, press the <b>(+)</b> button once.</p>

# MAINTENANCE

## CARE AND CLEANING OF CHROME AND SPECIAL FINISHES:

Regular cleaning of the hand dryer is recommended to ensure optimum performance.

Access to the dryer must only be conducted when it is switched off.  
Ensure that the HEPA filter in the motor block is cleaned regularly, depending on the intensity of use. Replace if necessary.

*QR code for filter replacement video:*



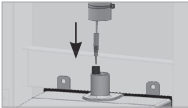
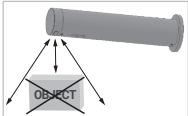

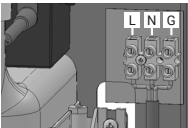
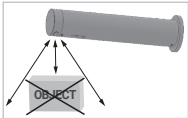
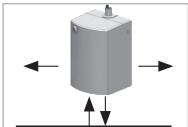

Use only a damp cloth to clean the hand dryer without rubbing too hard.  
No cleaning required for internal parts.

DO NOT use steel wool or alcohol-based, acidic, abrasive or similar cleaning products as they may damage the surface of the dryer nozzle.  
Do not rinse with a jet of water.

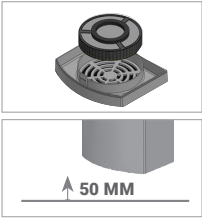
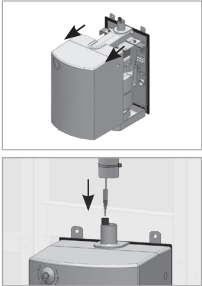
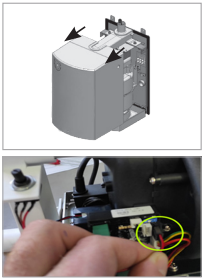
## SPARE PARTS LIST

Sensor	S088004040
Hand dryer (cover and filter included)	S560010
Filter for hand dryer	S08530022
Full motor and PCB	S94010017
240V PCB	S94010017.3
Potentiometer	S94010017.5
4-contact WP connector	S06000245
<b>Add-ons:</b>	
Remote control	RES-31

# TROUBLESHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION	ILLUSTRATION
The hand dryer runs	Continuous airflow without interruption	AUX connector not fully inserted.	The connectors should be inserted fully until the white o-ring is no longer visible. Remove the o-ring if necessary.	
	Random airflow activation	Reflection issue from washbasin or another object. The unit is too close to a surface.	Eliminate any cause of reflection and /or, if necessary, use RES-30 or RES-31 remote control to shorten detection range.	 
The hand dryer does not run (sensor's LED does not turn on)	No airflow	The power is not connected.	Take precautions to avoid shock hazard, disconnect and reconnect the power et check for voltage at the terminal block.	
		Security stop.	If the detection is covered for more than 90 seconds, the hand dryer stops blowing automatically. To return to regular operation, remove obstacle.	
The hand dryer repeatedly shuts off	The unit is overheating	Auto resetting thermostat turns unit off at 85°C.  Thermal fuse cuts unit off at 142°C.	Remove any interferences that may be causing the dryer to overheat.  Lower the power using the airflow control dial on the motor block.	 

# TROUBLESHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION	ILLUSTRATION
Weak airflow		Filter housing is obstructed.	Ensure a 50 mm gap below the filter outlet. To access the filter, remove the Hepa filter cover by pressing through the hole on the clip. Remove and clean or replace the filter. Click the filter housing back into place.	
The hand dryer does not run (sensor's LED flashes)			Disconnect from power and remove cover with the airflow control dial. Check for proper connection between the sensor and the hand dryer. If the problem persists, contact customer service.	
Air speed setting not responding		Airflow control dial is not properly connected.	Disconnect the power and remove the cover with the airflow control dial. Check for proper connection between the airflow control dial and the hand dryer PCB.	

## LIMITED WARRANTY

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This hand dryer is warranted for 3 years from the date of purchase.

In the event of a defect during this period of regular use, SUPRATECH will, at its discretion, repair, provide a replacement part or product, or make appropriate adjustments.

SUPRATECH will not be responsible for labour, installation or other additional costs 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.
- Improper manipulation, tampering, bad or lapsed maintenance.
- Foreign bodies, or dirt in the unit.
- Wear parts (motor brushes).
- 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, contact your Contractor, Dealer or SUPRATECH.

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.

# SUPRATECH

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