

SUPRATECH

HYGIENE ON THE MOVE!



ONE

**DECK MOUNTED ELECTRONIC FAUCET
FOR COLD OR PREMIXED WATER**

INSTALLATION AND MAINTENANCE GUIDE

ONE electronic faucet

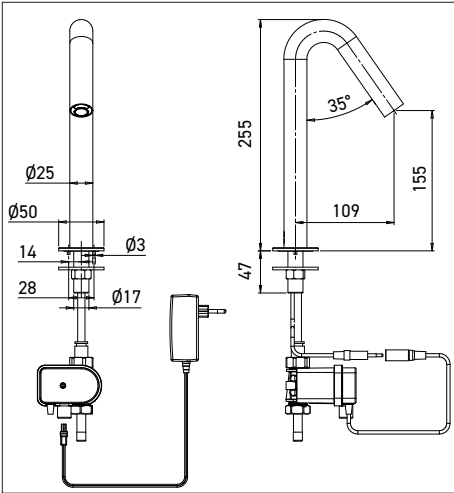
Ref. RES-51 / RES-52

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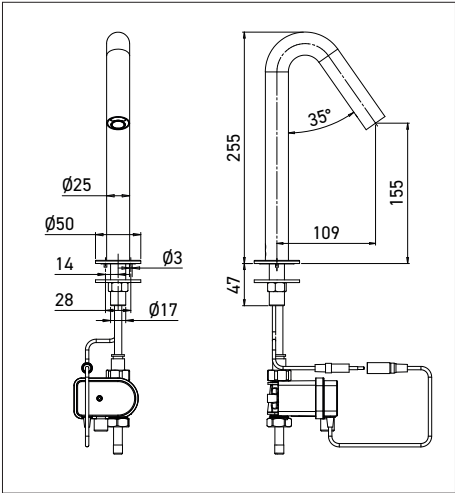
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TECHNICAL CHARACTERISTICS



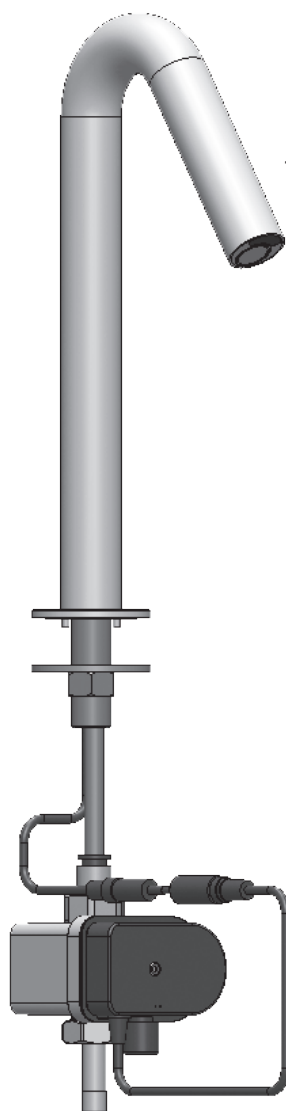
ONE ref. RES-51
**Dual power input box,
mains powered**



ONE ref. RES-52
Battery powered

Power supply	RES-51: dual power input box, 230/9V transformer RES-52: 9V battery
Water pressure	0.5-8 bars. If the water pressure exceeds 8 bars, use a pressure reducing valve
Sensor	100 mm, self-adjusting (adjustable via optional remote control)
Minimum sensor range	30 mm
Maximum sensor range	120 mm
Security stop	After 90 seconds without interruption (adjustable via optional remote control)

PACK CONTENTS



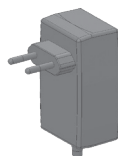
1 X FAUCET AND FIXING
ACCESSORIES



1 X FILTER



1 X ALLEN KEY



RES-51 :
230V/9V
TRANSFORMER

1 X SOLENOID VALVE WITH CONNECTOR
AND FILTER (DUAL POWER SUPPLY WITH
BATTERY BOX)

PRE-INSTALLATION

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 faucet until you have obtained the missing parts.

PREPPING FOR INSTALLATION

Flush water supply lines thoroughly before installing the faucet.

Do not allow dirt, Teflon tape, or metal particles to enter the faucet.

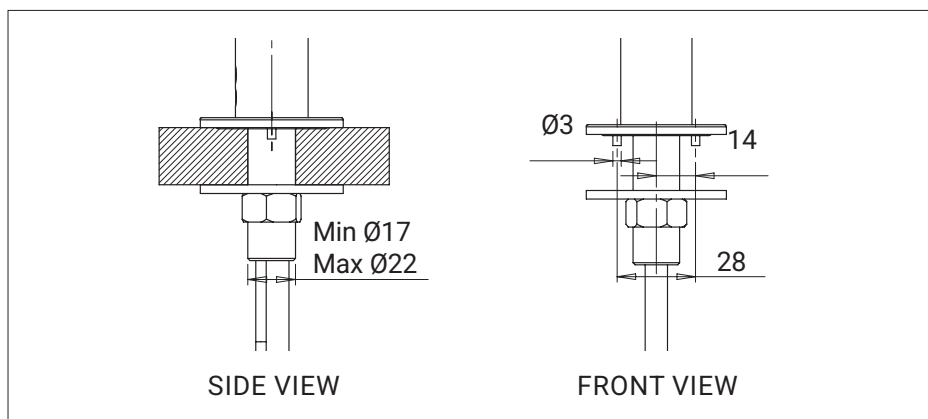
WARNING

This faucet model, equipped with a downward-facing sensor, is not suitable for use with basins made of reflective materials, such as polished stainless steel.

If the basin includes a drain located directly below the faucet sensor, ensure that the drain has a non-reflective finish (do not use a chrome-plated drain).

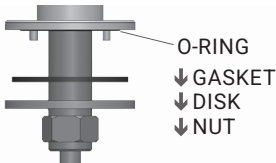
All plumbing is to be installed in accordance with local applicable codes and regulations.

RECOMMENDED HOLE SIZE

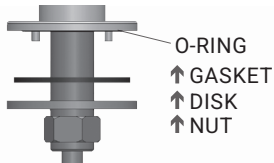
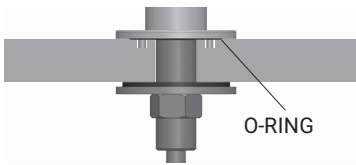


INSTALLATION

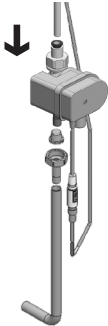
STEP 1 – PREPARING FOR INSTALLATION

1	Shut off water supply.	
2	Remove the nut, the disk and the gasket. Do not remove the o-ring from the faucet base.	

STEP 2 – FAUCET INSTALLATION

1	Place the faucet along with the bottom o-ring into the hole made in the worktop or washbasin. Make sure that the O-ring is positioned between the countertop or basin and the base of the faucet.	
2	Slide the gasket and disk onto the threaded rod and secure into place using the hexagonal nut.	

STEP 3 – CONNECTING TO THE WATER SOURCE

1	Insert the hose into the quick connector located on the solenoid valve. Insert a rectangular 9V battery into the solenoid valve housing (optional backup battery for mains-powered version, in case of power failure). Connect the connectors to the housing.	
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INSTALLATION

STEP 4 – CONNECTING THE POWER SOURCE

1	Turn on the main water supply line. Check for leaks.	
2	Remove the protective sticker covering the sensor and exit sensor range. Transformer version: Plug the transformer into the electrical socket.	
3	After connecting the power source (battery or transformer), wait 15 seconds to allow the system to set the ideal sensor range. 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.	 ABOUT 15 SECONDS
NOTE : If the sensor range adjustment is not suitable, refer to the SETTING ADJUSTMENTS section..		

SETTING ADJUSTMENTS



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:

Turn the water supply off.

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.

When you have finished adjusting, open the shut-off valve.

SETTING ADJUSTMENTS

	DETECTION RANGE: the detection range represents the optimum distance at which a person or hand must be placed to trigger the system. Press the RANGE button. Wait for the blue LED to flash on the sensor. Then press (+) to increase the range and (-) to decrease it.
	NOTE: even in the event of a power cut, once the detection range has been set using the remote control, it is memorised.
	FLOW TIME OUT: the flow time out function allows the user to change the flow time after the user has moved their hands away from the faucet. A flow time close to 0 will save more water whereas an increased time will make the experience more comfortable for the user. Press the OUT button. Wait for the blue LED to flash on the sensor. Then press (+) to increase the flow time out or (-) to decrease it.
	TEMPORARY OFF FUNCTION: faucets will remain shut for 1 minute when this button is pressed once. To cancel this function and to return to normal operations, press the ON/OFF button again or wait 1 minute.
	SELF ADJUSTMENT MODE: make sure that no objects are in front of the sensor. Press the ADJ 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. Opening of the solenoid valve for 1 second to indicate that the adjustment is complete and the valve is ready for use.
	SECURITY STOP: the security stop function prevents continuous running from the faucet, in the event of reflection or vandalism. By default, if the sensor is covered for more than 90 seconds, the water flow will automatically stop. To resume regular operation, all obstructions must be removed. Press the SEC button. Wait for the blue LED to flash on the sensor. Then press (+) to increase the security stop time or (-) to decrease it.
	RESET: the RESET button restores all factory settings except for the detection range (to adjust the detection length, use the RANGE button). Press and hold down the RESET button and, at the same time, press the (+) button once.
	COMFORT FLUSH: when the button is pressed, wait for one flash of the sensor's LED and the pre-programmed flush cycle will begin. The comfort flush feature cannot be interrupted or deactivated by pressing any button until it has finished.
	24 HOUR HYGIENE FLUSH: to activate or deactivate the hygiene flush, press the clock button, and wait for a quick flashing of the sensor's LED. Then press (+) to activate or (-) to deactivate it.

FILTER CLEANING INSTRUCTIONS:

This faucet is provided with a stainless steel filter preventing foreign particles to enter the lines. It is recommended to clean the filters every six (6) months. If the water flow has decreased, this may be because the filter is clogged.

The filter can be cleaned as follows:

1. Close the shut-off valves.
2. Disconnect the water supply inlet from the solenoid box and remove the filter.
3. Wash the filter under running water.
4. Reassemble the parts.
5. Restore the incoming water supply.
6. Make sure that there is no water leakage.

CARE AND CLEANING OF CHROME AND SPECIAL FINISHES:

DO NOT use steel wool or cleansing agents containing alcohol, acid, abrasives, or the like. The use of any prohibited cleaning or maintenance products or substances could damage the surface of the faucet.

For surface cleaning use ONLY soap and water, then wipe dry with a clean cloth or towel. When cleaning bathroom tiles, the faucet should be protected from any splattering of harsh cleansers.

For disinfection, chlorine can be used (maximum concentration of 50 mg/L in the water for 1 hour) at service intervals.

SOLENOID VALVE CLEANING

1. Shut off water supply. Unplug power supply.
2. Disconnect the power supply terminal from the solenoid valve.
3. Unscrew the solenoid valve using 25 mm spanner.
4. Remove membrane and clean thoroughly with water (small central hole).
5. Check the black plunger at the center of the solenoid valve, ensuring the spring is properly positioned vertically underneath.
6. Reassemble.



The solenoid valve membrane requires periodical cleaning every six (6) months. Remove the membrane from the solenoid valve and examine it for dirt. Do not attempt to dismantle the solenoid valve if you are unfamiliar with electronic solenoid valves.

BATTERY REPLACEMENT

BATTERY POWERED VERSION ONLY:

When the battery weakens, the blue indicator light will flash at a constant rate when user's hands are within the sensor range.

The battery must be replaced within two weeks.

Always use high-quality batteries to avoid malfunction.

1. Carefully open the dual power box by unscrewing the Allen screw.
2. Remove old battery.
3. Replace the used battery with a new 9V battery
(Lithium battery recommended).
4. Close the box using the Allen screw.



ABOUT
15
SECONDS

After changing the battery, move away from the detection area and wait 15 seconds for the ideal detection settings to be adjusted.

Once set, the water will run for 1 second to indicate that it is ready for use.

CAUTION: Do not dispose of batteries with household waste. Contact your local waste management service to find out the location of the nearest battery disposal site.



SPARE PARTS LIST

Seals and screws kit	S07210184
Sensor kit	S08008006
Solenoid & housing kit	S07232005
Transformer	S06522094
IP67 battery box	S06530092
Diaphragm	S04500001
Filter	S08530013
Add-ons:	
Remote control	RES-31
IP68 transformer to supply up to 4 faucets	RES-294M
Junction box to supply up to 10 faucets	RES-295
Thermostatic pre-mixer	RED-G5

LIMITED WARRANTY

This faucet 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.
- Pressures or temperatures exceeding recommended limits.
- Improper manipulation, tampering, bad or lapsed maintenance.
- Foreign bodies, dirt or scale introduced by the water supply.
- 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 Plumbing 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.

TROUBLESHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION
No running water	1. The sensor's LED flashes continuously when the user's hands are within detection range	Low batteries.	Replace batteries.
		1. The range is too short.	Increase range.
		2. The range is too long.	Decrease range.
		3. Batteries are used up.	Batteries need replacing.
		4. The unit is in "Security Mode".*	Eliminate cause of reflection.
		5. Sensor is picking up reflections from the washbasin.	
	3. The sensor's LED flashes once when the user's hands are within detection range	1. Faulty connection/ wiring between detection and solenoid valve.	Re-connect electronic unit and solenoid valve properly.
		2. Dirt or scale in the solenoid.	Unscrew the solenoid, remove the diaphragm, plunger, and spring, and clean them, using an antiscalant if necessary. When replacing the plunger, ensure that the spring is in the vertical position.
		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.
Water does not stop running	1. The sensors LED flashes once when the user's hands are within detection range	Dirt or scale in the diaphragm.	Clean the opening or replace the diaphragm.
	2. The sensor's LED does not flash when user's hands are within range	1. The sensor is dirty.	Clean or remove obstructions.
		2. The sensor is picking up reflection from the washbasin.	Decrease detection range or eliminate reflection source.
Weaker water flow		Filter or aerator is clogged.	Remove, clean, re-install.

* Security Mode: if the sensor is covered for more than 90 seconds, the faucet will automatically stop the water flow as a security measure. To resume normal operation, remove any obstructions.

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SUPRATECH

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