

SUPRATECH

HYGIENE ON THE MOVE!



EXTREME WS

**RECESSED ELECTRONIC FAUCET
FOR COLD OR PREMIXED WATER**

INSTALLATION AND MAINTENANCE GUIDE

EXTREME WS electronic faucet

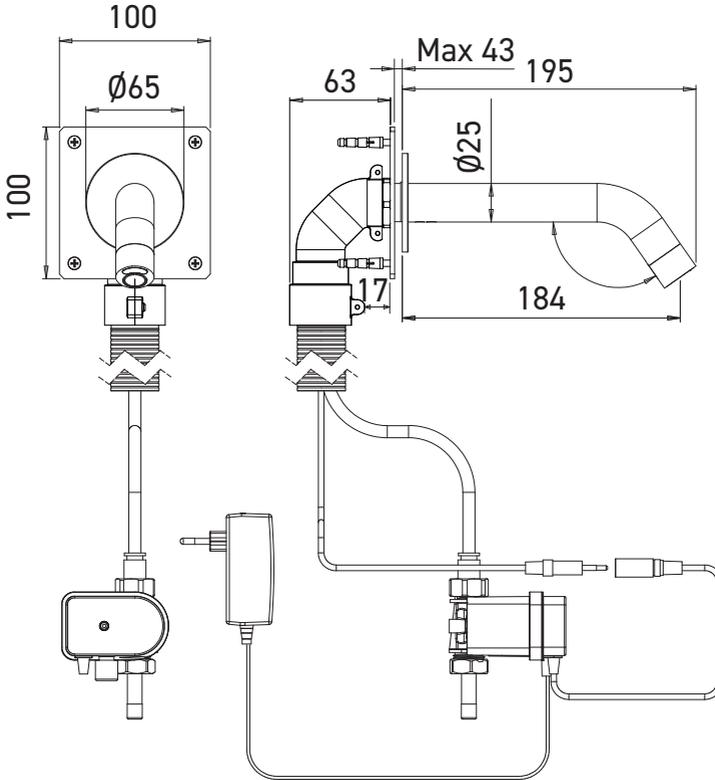
Ref. RES-902 / RES-912

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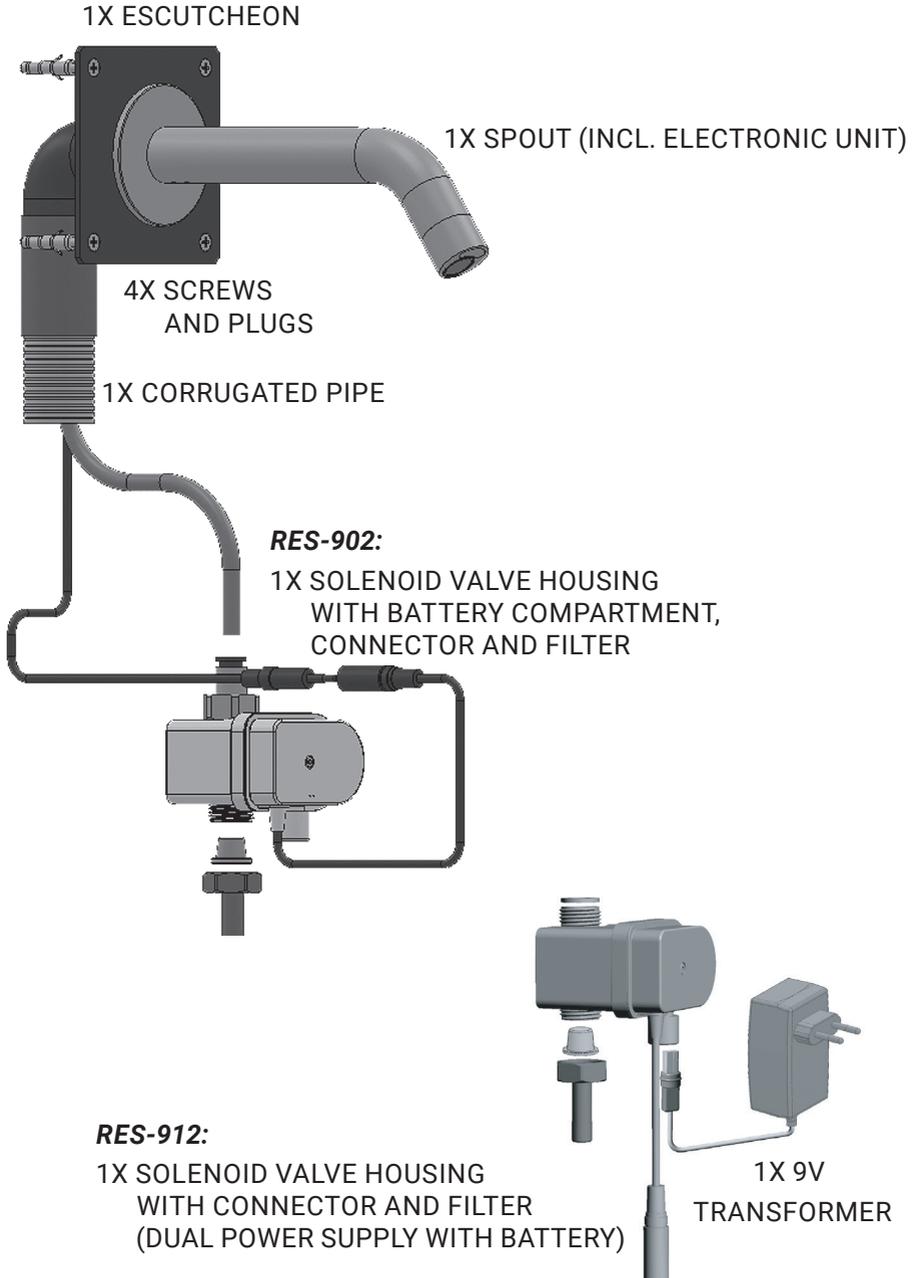
TECHNICAL CHARACTERISTICS



EXTREME WS Ref. RES-912 9V transformer

Power Supply	RES-902: 9V battery RES-912: 9v transformer
Water pressure	0.5 - 8.0 bars. If the water pressure exceeds 8 bars, use a pressure reducing valve
Sensor range	95 mm +/- 10 mm self-adjusting (adjustable with optional remote control)
Flow time	90 seconds (adjustable with remote control)
Hot water temperature	Max 70°C

PACK CONTENTS



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.

Ensure you have all parts before attempting to install your electronic faucet.

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.

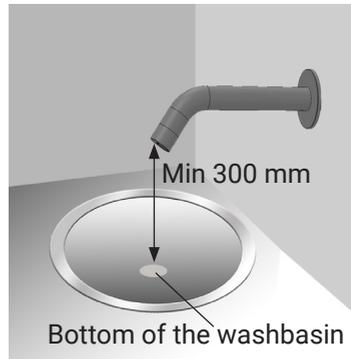
WARNINGS

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

IMPORTANT

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

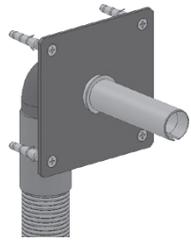
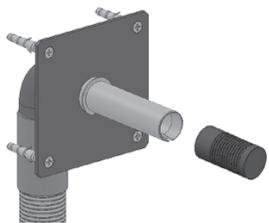
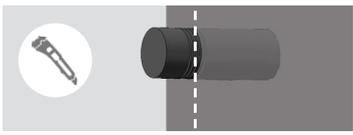
If the drain is straight below the faucet sensor, use a drain with a non-reflective finish (do not use a chrome plated one).



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

INSTALLATION

STEP 1 – INSTALLING THE FAUCET

1	Shut off the water supply.	
2	Make a suitable opening in the wall for the faucet base, elbow and corrugated pipe. Insert the base in the hole and securely fasten it using the 4 screws and plugs provided.	
3	Install the temporary cover onto the faucet base. Ensure that the spout base extends slightly from the wall during tiling to allow for proper installation of the spout after finishing.	
4	Once the electrical, plumbing, and tiling work is completed, cut the temporary protection at the appropriate mark level with the wall. Then, insert the spout onto the faucet base and secure it using the Allen screw located underneath.	
5	Pass the cable and black hose coming from the spout through the pipe.	

INSTALLATION

STEP 2 – CONNECTING THE WATER SUPPLY

<p>1</p>	<p>Connect the water supply lines to the bottom of the solenoid valve housing, and the black hose to the quick connect fitting on its top.</p> <p>Place battery into the battery compartment in the solenoid housing.</p>	
<p>2</p>	<p>Turn on the main water supply and check for leaks.</p>	

STEP 3 – CONNECTING THE POWER SOURCE

<p>1</p>	<p>Connect the power source.</p>	
<p>2</p>	<p>Wait 15 seconds to allow the system to set the ideal sensor range.</p> <p>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.</p>	
<p>NOTE: Please refer to the ‘Setting adjustments’ section if the automatically set sensor range is unsatisfactory.</p>		

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 valves.

SETTING ADJUSTMENTS



DETECTION RANGE:

The detection range represents the optimum distance at which a person or hand must be placed to trigger the system.

The detection range on faucets with self-adjusting detection can be changed using this button.

If needed, the detection range can be adjusted as follows:

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.



DELAY TIME: The delay time 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.

If needed, the delay time can be adjusted as follows:

Press the **OUT** button. Wait for the blue LED to flash on the sensor.

Then, press **(+)** to extend the delay time or **(-)** to shorten it.



TEMPORARY OFF FUNCTION:

The temporary off function is ideal for performing any activity in front of the sensor without operating the system (e.g., cleaning).

Faucets remain closed for 1 minute when this button is pressed once.

To deactivate this function and return to normal operations, press the **ON/OFF** button again or wait for 1 minute.



SELF ADJUSTMENT MODE:

To activate, first ensure that no objects are in front of the sensor.

Press the **ADJ** button and wait for a quick flashing of the sensor's LED.

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.

SETTING ADJUSTMENTS



SEC

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 normal operation, all obstructions must be removed.

If needed, the security stop can be adjusted as follows:

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



RES

RESET:

The reset function allows the sensor to return to the original factory settings. If needed, the detection length can be adjusted as follows:

Press the **RANGE** button. Press and hold down the **RESET** button and, at the same time, press the **(+)** button once.

If your faucet has self-adjusting detection, the **RESET** button restores all factory settings except for the detection length.

Use the **ADJ** button to activate the self-adjustment mode.



COMFORT FLUSH:

If your mode includes the comfort flush feature, it can be activated by pressing the flush button. Once the button has been pressed, the sensor's LED will flash once and the pre-programmed flush cycle (2 minutes) will begin.

The comfort flush feature cannot be interrupted or deactivated before completion.



24 HOUR HYGIENE FLUSH:

The 24 hour hygiene flush function is ideal for optimising hygiene and preventing legionella (option to specify when ordering).

In addition, it helps to prevent the risk of frost in the pipes by ensuring water circulation.

If needed, the hygiene flush can be adjusted as follows:

Press the clock button. Wait for the blue LED to flash on the sensor.

Then press **(+)** to activate or **(-)** to deactivate it.

MAINTENANCE

FILTER CLEANING INSTRUCTIONS:

This faucet is equipped with a stainless steel filter that prevents foreign particles from entering the solenoid valve.

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 valve.
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.

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

SOLENOID VALVE SERVICING:

1. Turn off the water supply. Disconnect the power supply.
2. Unscrew the screw on the solenoid valve housing and open the box.
3. Disconnect the electrical terminal from the solenoid valve.
4. Unscrew the solenoid valve using a 25mm Allen key.
5. Remove the black membrane and clean it thoroughly with water (small central hole).
6. Check the black plunger in the center of the solenoid valve, ensuring the plunger is properly aligned with the spring underneath.
7. Reassemble.



The solenoid valve membrane requires periodic cleaning, recommended every six months.

Do not attempt to disassemble the solenoid valve if you are not familiar with electronic solenoid valves.

BATTERY REPLACEMENT

When the battery is low, a blue light flashes at regular intervals on the sensor when hands are within the detection range.

The battery should be replaced within 2 weeks.

Always use a high-quality battery to avoid compromising the faucet's performance.

Battery replacement:

Carefully open the dual power supply box using the provided Allen key.

Remove the old battery and replace it with a new 9V battery (lithium battery recommended).

Close the box cover and secure it with the screw.



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.

WARNING: Used batteries should not be disposed of with normal household waste. Contact your local authority for information on waste disposal and recycling.



SPARE PARTS LIST

Screw and plug kit	S07210181
Self-adjusting detection kit	S08007004
Dual power supply solenoid housing	S07231011
Solenoid valve kit	S07230017
Diaphragm	S04500001
Transformer	S06522094
<i>Add-ons:</i>	
Remote control	RES-31

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 battery.	Replace battery.
	2. The sensor's LED does not turn on when the user's hands are within detection range	1. The range is too short.	Increase range.
		2. The range is too long.	Decrease range.
		3. Battery is used up.	Replace battery.
		4. The unit is in "Security Mode".*	Eliminate cause of reflection.
		5. Sensor is picking up reflections from the washbasin or from another object.	
	3. The sensor's LED flashes once when the user's hands are within detection range	1. Dirt or scale in the diaphragm.	Unscrew the solenoid valve, remove the plunger and spring from the solenoid valve, and clean them. When replacing the plunger, ensure that the spring is in a vertical position.
2. The central hole of the black membrane in the solenoid valve is clogged, or the membrane is torn.		Clean or replace diaphragm.	
3. The water supply pressure of the faucet is greater than 8 bars.		Decrease water supply pressure or use pressure reducing valve.	
Water does not stop running	1. The sensor's LED flashes once when the user's hands are within detection range	1. Dirty or scale in the diaphragm.	Clean the hole or replace the diaphragm.
		2. The connectors between the sensor and the dual power supply box are not properly connected.	Ensure proper connection between the connectors.
	2. The sensor's LED does not flash when the user's hands are within range	1. The sensor is dirty or obstructed.**	Clean or remove obstructions.
		2. The sensor is picking up reflections from the washbasin or fom another object.	Decrease detection range or eliminate reflection source.
Weaker water flow		Filter or aerator is clogged.	Remove, clean, or 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.

** In this case, the water flow will automatically stop after 90 seconds due to "Security Mode".

SUPRATECH

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