SUPRATECH

HYGIENE ON THE MOVE!

PROXI

ELECTRONIC SENSOR KIT FOR WC

INSTALLATION AND MAINTENANCE GUIDE

SUPRATECH

PROXI sensor kit for WC

Ref. RES-121P2 / RES-121P2-T /
RES-121P2-T-ENC / RES-121P2-ENC

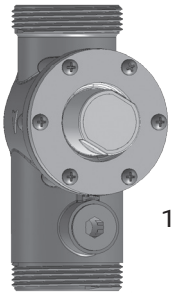
INDEX

TECHNICAL CHARACTERISTICS

1 X PROXI SENSOR
FOR PANEL MOUNTED INSTALLATION

or

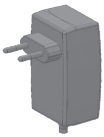
1 X PROXI SENSOR
FRONT FIXATION
FOR RECESSED INSTALLATION



1 X FLUSH VALVE BODY
WITH PISTON AND
SOLENOID VALVE

Power supply options

9V BATTERY
BOX



9V
TRANSFORMER

IP68 SWITCHING
TRANSFORMER

Sensor type	PROXI touch-free sensor
Power supply	9V battery or 9V transformer
Water pressure	1.0 - 8.0 bars. If the water pressure exceeds 8 bars, use a pressure reducing valve.
Preset sensor range	600 mm (adjustable via optional remote control)
Flow time	1.2 seconds

CHECK CONTENTS

Separate all parts from the packaging and check each item using the TECHNICAL CHARACTERISTICS section.

Make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not attempt to install your detection kit until you have obtained all parts.

WARNINGS

Do not install the system facing a mirror or any other electronic system operated by an infrared sensor.

To prevent reflection problems, it is recommended to keep a minimum distance of 1500 mm between the sensor unit and any other objects.

PREPPING FOR INSTALLATION

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

IMPORTANT

For optimal system performance, ensure the entire piping, from the main water supply pipe to the WC, is Ø1".

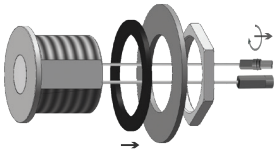
OPERATION

Once the kit is installed and connected to the water supply source:

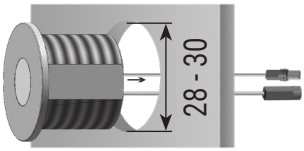
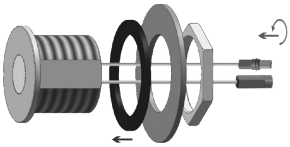
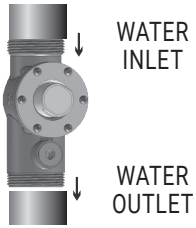
Water will be delivered automatically when the user leaves the sensor range after using the WC. The water flow will stop after a preset number of seconds.

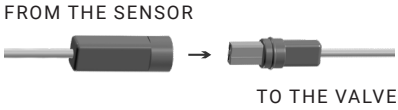
All plumbing is to be installed in accordance with local applicable codes and regulations.

STEP 1 – PREPPING FOR INSTALLATION

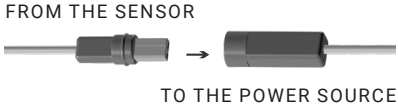
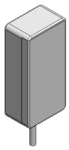
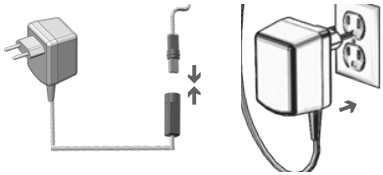
1	Shut off the water supply.	
2	Remove nut, disk, and gasket.	

STEP 2 – SYSTEM INSTALLATION

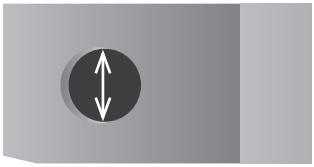
1	Place the sensor in its designated location.	
2	Slide the nut, disk, and gasket back onto the sensor and secure them into place.	
3	Connect the water inlet and outlet to the flush valve.	

5	Open the central water supply and the shut-off valve and check for leaks.	
6	Connect the waterproof connector from the sensor to the solenoid valve connector.	

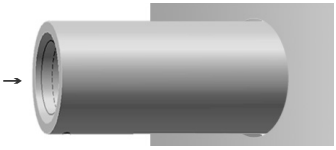
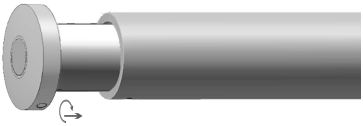
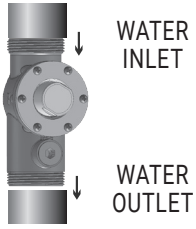
STEP 3 – CONNECTING TO THE POWER SOURCE

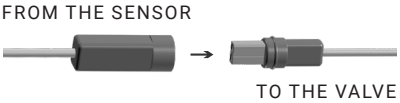
1	Connect the waterproof connector from the sensor to the power source.	
2a	**Battery powered:** Mount the battery to the wall using screws or double-sided tape.	
2b	**Transformer powered:** a. Connect the waterproof connector from the sensor to the transformer. b. Plug the transformer into the electrical socket.	
IMPORTANT: Wait 10 seconds before operating the system.		

STEP 1 – INSTALLATION PREPPING

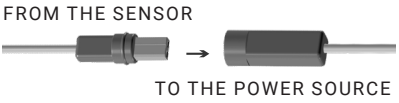
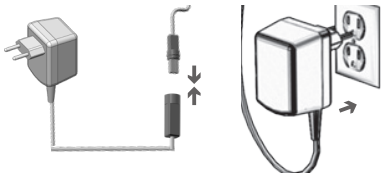
1	Shut off water supply.	
2	Cut an opening in the wall to the size of the PVC pipe.	

STEP 2 – SYSTEM INSTALLATION

1	Insert the PVC pipe into the opening.	
2	When the construction work is complete, cut the PVC pipe to the required length.	
3	Place the sensor in the PVC pipe and tighten the two Allen screws provided. **IMPORTANT:** Place the solenoid valve, housing and power source in an accessible place such as under the sink or in the false ceiling.	
4	Connect the water inlet and outlet to the flush valve.	

6	Open the central water supply and the shut-off valve and check for leaks.	
7	Connect the waterproof connector from the sensor to the solenoid valve connector.	

STEP 3 – CONNECTING TO THE POWER SOURCE

1	Connect the waterproof connector from the sensor to the power source.	
2a	**Battery powered:** Mount the battery to the wall using screws or double-sided tape.	
2b	**Transformer powered:** a. Connect the waterproof connector from the sensor to the transformer. b. Plug the transformer into the electrical socket.	
IMPORTANT: Wait 10 seconds before operating the system.		

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.

DETECTION RANGE:
The detection range represents the optimum distance at which a person must be placed to trigger the system.
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.

ACTIVATION TIME:
The activation time function prevents accidental activations, which can occur when someone walks by the WC without intending to use it. By adjusting the activation time, the system is only activated after a minimum presence time has elapsed.
If needed, the activation time can be adjusted as follows:
Press the IN button. Wait for the blue LED to flash on the sensor.
Then press (+) to increase the activation time or (–) to decrease it.

FLOW TIME OUT:
The flow time out function adjusts the time between the moment the user leaves the vicinity of the toilet and the moment the flush is activated. A time close to 0 may activate too quickly, while a longer one offers a smoother experience (usage frequency to be taken into account).
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 flow time out 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). Flush valves 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.

SETTING ADJUSTMENTS

RESET:
The reset function allows the sensor to return to the original factory settings.Use the ADJ button to activate the self-adjustment mode.
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.

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 (2 minutes) flush cycle 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.

SHORT FLUSHING TIME:
The short flushing time function applies to flush valves for toilets with an infrared dual flush systems. For these flush valves, the short flushing time can be changed by using the single wave button.
If needed, the short flushing time can be adjusted as follows:
Press the single wave button.
Wait for the blue LED to flash on the sensor.
Then, press (+) to increase the short flushing time and (–) to decrease it.

FLUSHING TIME:
This function determines the flushing time once the user moves away from the toilet. For this unit, the complete flushing time can be adjusted using the double wave button.
If needed, the flushing time can be adjusted as follows:
Press the double wave button.
Wait for the blue LED to flash on the sensor.
Then, press (+) to increase the flushing time and (–) to decrease it.

CARE AND CLEANING OF CHROME AND SPECIAL FINISHES:

DO NOT use steel wool or cleansing agents containing alcohol, acid, abrasives, or the like.
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.

If system chemical disinfection is practiced, chlorine can be used (calculated chlorine concentration of 50mg/l maximum in water per one hour dwell time) at service interval frequency.

LIMITED WARRANTY

This PROXI sensor kit for WC is warranted 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
Valve does not flush	1. The sensor's LED flashes continuously when the user is within detection range	Low battery.	Replace battery.
	2. The sensor's LED does not turn on when the user is within detection range	Inappropriate sensor range.	Increase or decrease the sensor range.
		Battery is completely used up.	Replace battery.
		The sensor is picking up reflections from a mirror or another object.	Eliminate cause of reflections.
	3.The sensor's LED flashes once when the user is within detection range	Connectors between the electronic unit and the solenoid valve are disconnected.	Connect the connectors of the electronic unit to the solenoid valve.
		Debris or dirt in the solenoid valve clog up the bleeding hole.	Replace or clean the solenoid valve. Unscrew the solenoid, pull out the plunger and the spring from the solenoid and clean them. When placing the plunger and spring back, please make sure the spring is in vertical position.
		The water supply pressure is higher than 8 bars or pressure peaks over 8 bars in the water supply causes pressure to be trapped in the flush valve.	Reduce the water supply pressure.
Continuous flow	The LED indicator in the sensor flashes once when the user enters the sensor range	Debris or dirt in the flush valve. The piston is unable to close.	Open the piston cover, clean the piston, the opening, and the housing.
		Debris or dirt in the solenoid valve.	Unscrew the solenoid, pull out the plunger, and spring, and clean them, using an antiscalant if necessary. When replacing the plunger, ensure that the spring is in the vertical position.

NOTES

SUPRATECH

AUTOMATED SYSTEMS - SANITARY ACCESSORIES - STAINLESS STEEL SANITARY WARE

2, rue des Cyprès - 37240 Bossée - France
Tel: 00 33 (0)2 47 92 23 31 - Fax: 00 33 (0)2 47 92 84 71
info@autosanit.com
www.autosanit.com

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