SUPRATECH

HYGIENE ON THE MOVE!

PROXI

ELECTRONIC SENSOR KIT FOR SHOWERS

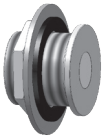
INSTALLATION AND MAINTENANCE GUIDE

PROXI sensor kit for showers

Ref. RES-116P / RES-117P /
RES-116P-T / RES-117P-T

Index

TECHNICAL CHARACTERISTICS

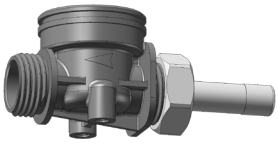


1 X PROXI SENSOR
FOR PANEL MOUNTED INSTALLATION

or

1 X PROXI SENSOR
FRONT FIXATION
FOR RECESSED INSTALLATION

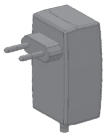
1 X ACETAL SOLENOID



1 X SOLENOID HOUSING WITH FILTER AND INLET NIPLE

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	0.5-8.0 bars. If the water pressure exceeds 8 bars, use a pressure reducing valve.
Water temperature	Max 70°C
Minimum detection range	30 mm
Maximum detection range	300 mm

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.

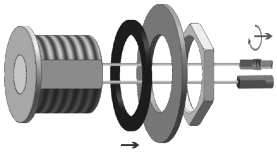
OPERATION

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

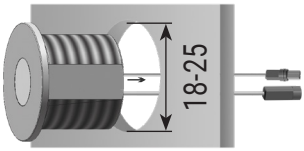
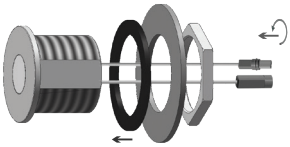
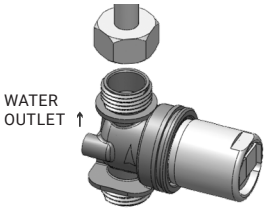
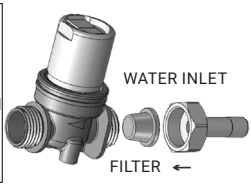
Water will automatically flow when the user enters the sensor area and automatically come to a stop when the user exits said area.

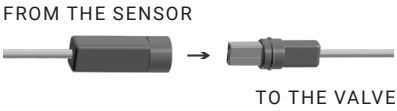
All plumbing is to be installed in accordance with local applicable codes and regulations.

STEP 1 – PREPPING FOR INSTALLATION

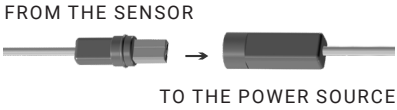
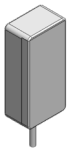
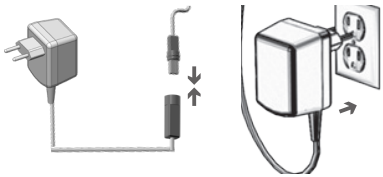
1	Shut off the water supply.	
2	Remove nut, disk, and gasket.	

STEP 2 – SYSTEM INSTALLATION

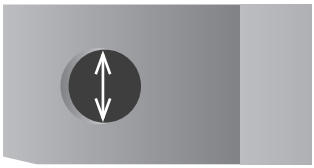
1	Place the sensor in its designated location.	
2	Slide the nut, disk, and gasket back onto the sensor and secure them into place.	
3	Connect the water outlet to the solenoid valve housing.	
4	Connect the water inlet to the solenoid valve housing. **OPTIONAL:** Connect the inlet nipple to the water supply inlet on the solenoid body or connect it directly to the shut-off valve	NOTE: Make sure the filter is set up between the solenoid body and the shut-off valve (angle valve) (not supplied). 

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.	

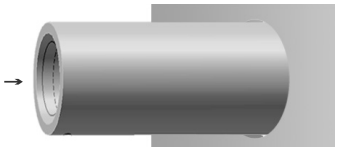
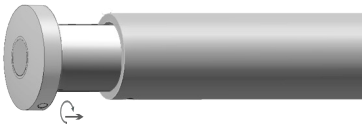
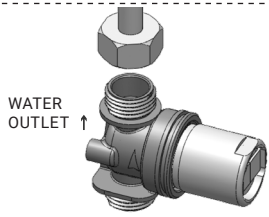
STEP 3 – CONNECTING TO THE POWER SOURCE

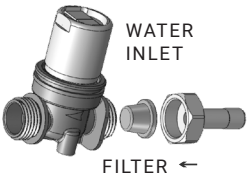
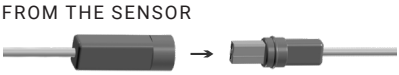
1	Connect the waterproof connector from the sensor to the power source.	
2	**Battery powered** Mount the battery to the wall using screws or double-sided tape.	
3	**Transformer powered** a. Connect the waterproof connector from the sensor to the transformer. b. Plug the transformer into the electrical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

STEP 1 – INSTALLATION PREPPING

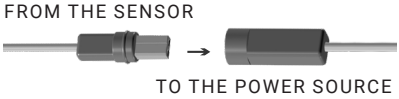
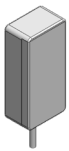
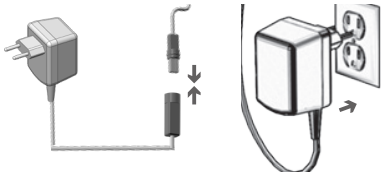
1	Shut off water supply.	
2	Cut an opening in the wall to the size of the PVC pipe.	

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, body and power source in an accessible place such as under the sink or in the false ceiling.	
4	Connect the water outlet to the solenoid valve body. The inlet and outlet should follow the indicating arrow on the solenoid valve body.	

5	Connect the water inlet to the solenoid valve housing. **OPTIONAL:** Connect the inlet nipple to the water supply inlet on the solenoid body or connect it directly to the shut-off valve.	NOTE: Make sure the filter is set up between the solenoid body and the shut-off valve (angle valve) (not supplied). 
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.	
2	**Battery powered** Mount the battery to the wall using screws or double-sided tape.	
3	**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, 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 or hand must be placed to trigger the system.
The detection range on showers 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.

FLOW TIME OUT:
The flow time out function allows the user to change the flow time after the user has moved away from the shower.
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 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).
Shower faucets remain closed for 2 minutes 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.

SECURITY STOP:
The security stop function prevents continuous running from the shower, in the event of reflection or vandalism.
By default, if the sensor is covered for more than 10 minutes, 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

RESET:
The reset function allows the sensor to return to the original factory settings. If your shower 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.
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 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.

FILTER CLEANING INSTRUCTIONS:

This system is provided with a stainless steel filter to prevent foreign particles from entering the lines. It is recommended that the filter be cleaned at least once every 6 months. A decreased water flow may indicate a clogged filter.

The filter can be cleaned as follows:

1. Shut-off the water 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. Use of any prohibited cleaning or maintenance products or substances could damage the surface of the soap dispenser.

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

LIMITED WARRANTY

The PROXI detection kit for showers 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, or the battery.

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 water coming from the shower head	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 are within detection range	1. The range is too short.	Increase range.
		2. The range is too long.	Decrease range.
		3. The battery is used up.	Battery needs replacing.
		4. The unit is in "Security Mode"*.	Eliminate cause of reflection.
		5. The sensor is picking up reflections from a mirror or another object.	
	3.The sensor's LED flashes once when the user is 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 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 water supply pressure of the shower faucet is greater than 8 bars.	Decrease water supply pressure.
		4. The water supply is less than 8 bars and yet the pressure in the shower is higher. This could be caused by a sudden increase in the water supply pressure, which the backcheck prevents from dropping, even after the water supply pressure drops below 8 bars.	Shut off the water supply and unscrew one the flexible pipes in order to reduce the pressure.
Water does not stop running	1. The sensors LED flashes once when the user's is within detection range	Dirt or scale in the diaphragm.	Clean the opening or replace the diaphragm.
	2. The sensor's LED does not turn on when the user is within detection range.	The sensor is dirty or obstructed.	Clean or remove obstructions.

* "Security Mode": if the sensor is covered for more than 10 minutes, the shower automatically cuts off the water flow. To return to normal operation, remove any obstruction.

NOTES

SUPRATECH

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