SUPRATECH

HYGIENE ON THE MOVE!

PROXI

ELECTRONIC DETECTION KIT FOR URINALS

INSTALLATION AND MAINTENANCE GUIDE

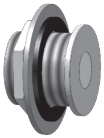
SUPRATECH

PROXI detection kit for urinals

Ref. RES-118P / RES-119P /
RES-118P-T / RES-119P-T

INDEX

TECHNICAL CHARACTERISTICS

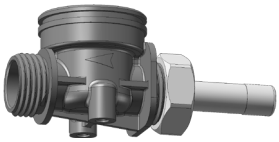


1 X PROXI SENSOR
FOR PANEL MOUNTED INSTALLATION

or

1 X FRONT FIXATION PROXI SENSOR
FOR RECESSED INSTALLATION

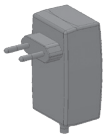
1 X SOLENOID VALVE



1 X SOLENOID BODY WITH FILTER AND CONNECTOR

Power supply options

9V BATTERY BOX



9V TRANSFORMER

BATTERY BOX FOR 6X1.5V AA BATTERIES

IP68 SWITCHING TRANSFORMER

Sensor type	PROXI infrared 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
Preset sensor range	600 mm
Minimum detection range	300 mm
Maximum detection range	800 mm

CHECK CONTENTS

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

Please check that all components are present and in good condition before discarding the packaging. If any parts are missing, do not attempt to install the detection kit until you have obtained all parts.

WARNINGS

Do not install the system facing a mirror or any other electronic system with 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.

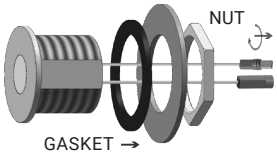
OPERATION

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

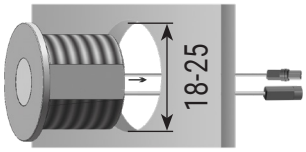
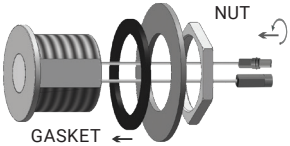
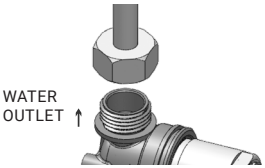
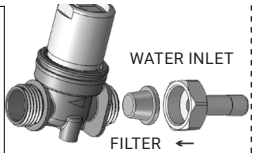
Water will automatically be flushed when the user leaves the sensor area after using the urinal.
The water flow will cease after a predetermined amount of time.

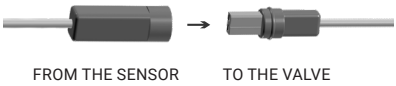
All plumbing is to be installed in accordance with applicable codes and regulations.

STEP 1 – PREPPING FOR INSTALLATION

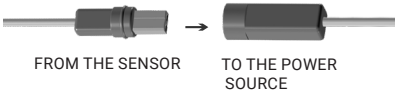
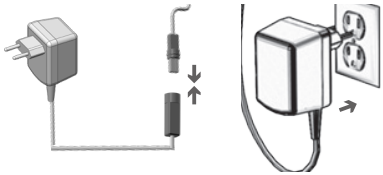
1	Shut off the water supply.	
2	Remove nut, disk, and gasket.	

STEP 2 – SYSTEM INSTALLATION

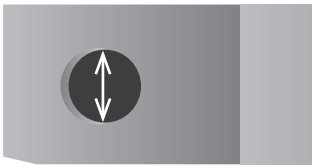
1	Place the sensor in its designated location.	
2	Slide the nut, disk, and gasket back onto the sensor and secure them into place.	
3	Connect the water outlet to the solenoid valve housing.	
4	If your system is equipped with an inlet nipple, connect it to the water supply inlet on the solenoid body or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

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

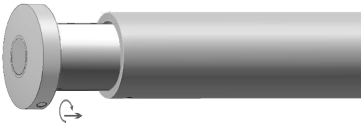
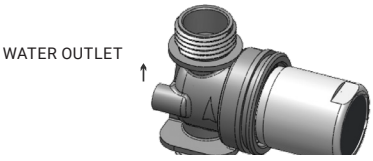
STEP 3 – CONNECTING TO THE POWER SOURCE

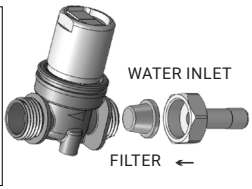
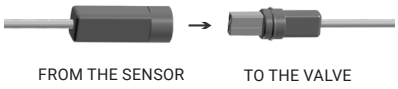
1	Connect the waterproof connector from the sensor to the power source.	
2	**Battery powered** Mount the batteries to the wall using screws or double-sided tape.	
3	**Transformer powered** a. Connect the waterproof connector from the sensor to the transformer. b. Plug the transformer into the electrical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

STEP 1 – INSTALLATION PREPPING

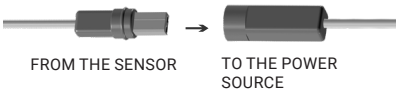
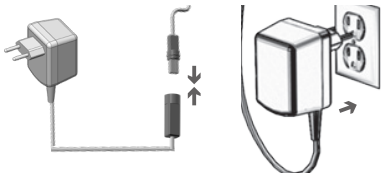
1	Shut off the water supply.	
2	Cut an opening in the wall to the size of the Ø 32 mm PVC pipe.	

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	If your system is equipped with an inlet nipple, connect it to the water supply inlet on the solenoid valve housing or connect directly to the shut-off valve.	NOTE: Make sure the filter is set up between the solenoid body and the shut-off angle valve (not supplied). 
6	Open the shut-off angle 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 batteries 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 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.
The detection range 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.

ACTIVATION TIME:
The activation time function prevents accidental activations, which can occur when someone walks by the urinal 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 safety 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/urinal 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.

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.

FLUSHING TIME:
This function determines the flushing time once the user moves away from the toilet or urinal. For these flush valves, 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 flow time and **(–)** to decrease it.

24 HOUR HYGIENE FLUSH:
This function will maximize hygiene and help prevent Legionella and other diseases. This function also helps to prevent pipes from freezing by ensuring water flows through the pipes every 24 hours.
To activate or deactivate the hygiene flush, press the clock button, and wait for a quick flashing of the LED in the sensor eye.
Then press **(+)** to activate the hygiene flush or **(–)** to deactivate it.

FILTER CLEANING INSTRUCTIONS:

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

Limited warranty

The PROXI detection kit for urinals is warranted 3 years starting at the purchase date for regular use purposes.

If a defect is found in normal use, SUPRATECH will, at its discretion, repair, provide a replacement part or product, or make appropriate adjustments

SUPRATECH is not responsible for labour charges, installation, or other incidental or consequential costs other than those noted above. In no event shall the liability of SUPRATECH exceed the purchase price of the product.

Damage caused by accident, misuse, or abuse is not covered by this warranty. Improper care and cleaning will void the warranty, as well as the alteration of the original components, battery defects, soap with a viscosity outside the recommended range, or vandalism.

For all warranty claims, contact your dealer, installer or SUPRATECH. Be sure to provide all relevant information for your claim: full description of the problem, product and serial number, proof of purchase and date of installation.

PROBLEM	INDICATOR	CAUSE	SOLUTION
Valve does not flush	1. The sensor flashes continuously when the user is within detection range.	Low battery(ies)	Replace battery(ies).
	2. The sensor's LED does not turn on when the user is 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(ies) needs replacing.
		4. The sensor is picking up reflections from a mirror or another object.	Eliminate cause of reflection.
	3. The sensor flashes 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 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.
Valve does not shut off	1. The sensor flashes when the user 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.

Notes

SUPRATECH

AUTOMATISMES - ACCESSOIRES - SANITAIRES INOX

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

03.2024