

SUPRATECH

HYGIENE ON THE MOVE!



PROXI

ELECTRONIC DETECTION KIT FOR FAUCETS

INSTALLATION AND MAINTENANCE GUIDE

PROXI detection kit for faucets

Ref. RES-110P / RES-110P-T /
RES-110P-ENC / RES-110P-T-ENC

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Technical Characteristics



1 X PROXI SENSOR
FOR PANEL MOUNTED
INSTALLATION

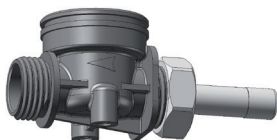


1 X PROXI SENSOR
FRONT FIXATION
FOR RECESSED INSTALLATION

or

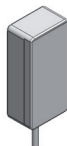


1 X ACETAL
SOLENOID

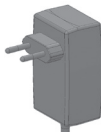


1 X SOLENOID
HOUSING WITH FILTER
AND INLET NIPLE

Power supply options



9V Battery



9V
Transformer



Battery box
for 6x1,5V AA
batteries



IP68
Transformer

Detection type	Touch free sensor
Power supply	9V battery or 230/9V transformer
Recommended water pressure	0.5-8.0 bars. If the water pressure exceeds 8 bars, use a pressure reducing valve.
Hot water temperature	Max 70°C
Min. detection range	30 mm
Max. detection range	300 mm

Check contents

Separate every part from the packaging and go over each item according to 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 in front of a mirror or any other electronical systems using infrared sensors.

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

Prepping for installation

Flush water supply lines thoroughly before installing.

Shut off water supply.

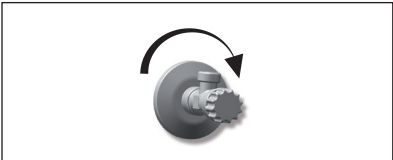
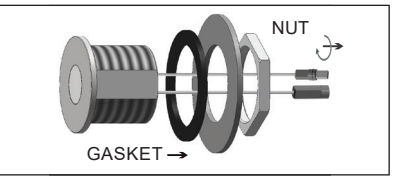
Operation

Once the system is set up and connected to the water supply source:

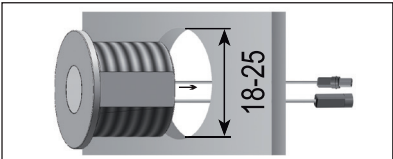
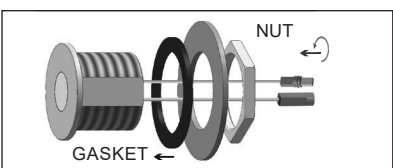
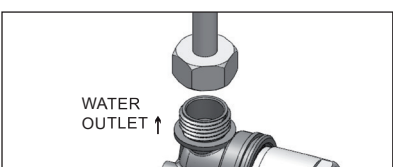
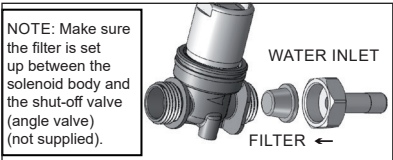
Water will automatically be flushed when the user leaves the sensor area after using the urinal. The water flow will cease after a predetermined number of seconds.

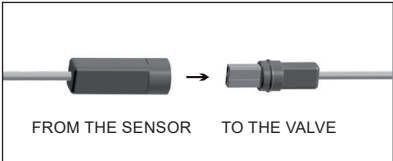
All the plumbing should be installed in accordance with applicable codes and regulations.

STEP 1 – PREPPING FOR INSTALLATION

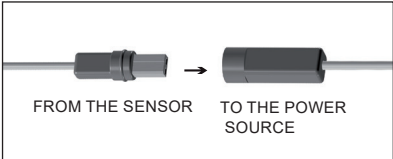
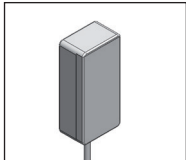
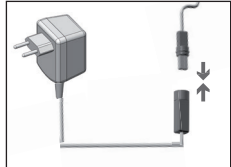
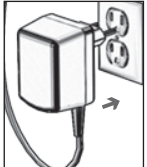
1	Shut off water supply	
2	Remove nut, disk, and gasket.	

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.	
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 valve (angle valve) (not supplied). 

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

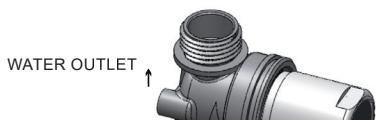
STEP 3 – CONNECTING TO THE POWER SOURCE

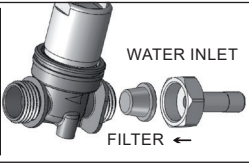
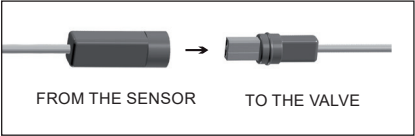
1	Connect the waterproof connector from the sensor to the power source.	
2	Battery powered Mount the batteries to the wall using screws or double-sided tape.	 
	Transformer powered a. Connect the waterproof connector from the sensor to the transformer. b. Plug the transformer into the electrical socket.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

STEP 1 – INSTALLATION PREPPING

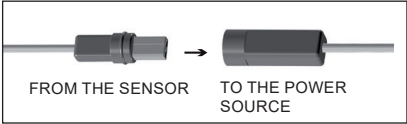
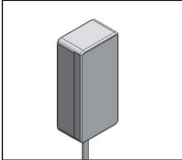
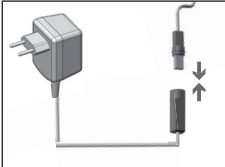
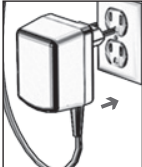
1	Shut off power supply.	
2	Cut an opening in the wall to the size of the PVC pipe.	

STEP 2 – SYSTEM INSTALLATION

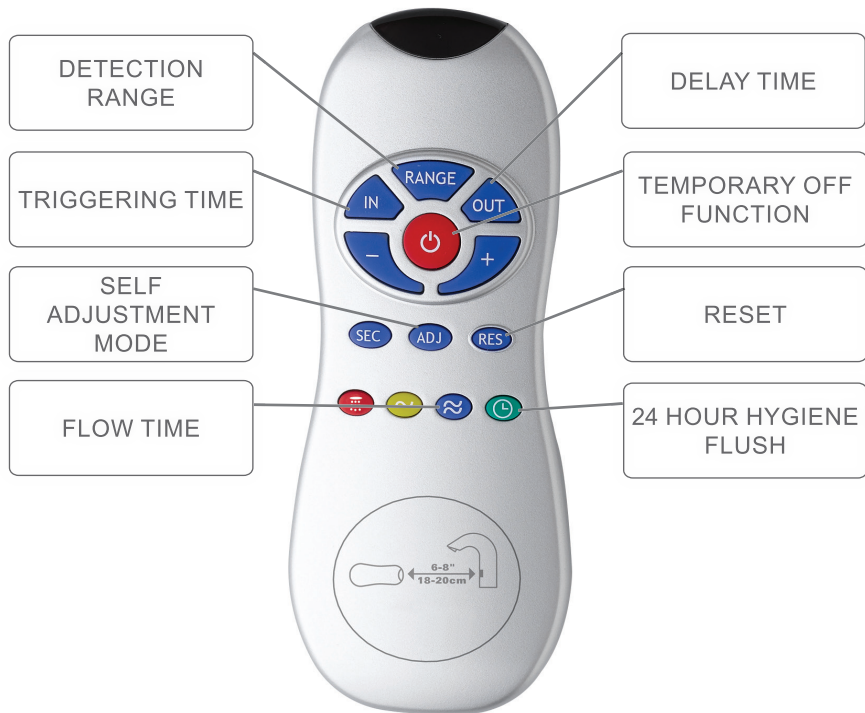
1	Insert the PVC pipe into the opening.	
2	When the construction work is complete, cut the PVC pipe to the required length.	
3	Place the sensor in the PVC pipe and tighten the two Allen screws provided. Important: Place the solenoid valve, body and power source in an accessible place such as under the sink or in the fake 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 valve (angle valve) (not supplied). 
6	Open the central water supply and the shut-off valves (angle valves) 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



Adjusting the settings with the (optional) RES-31 remote control

If necessary, the sensor settings can be adjusted:

Turn the water supply off.

To adjust the sensor using the remote control, position the remote control approximately 15-20 cm directly in front of the sensor.

Select the function you wish to adjust by pressing the corresponding button once.

After pressing the function button once, the LED on the front of the remote will flash quickly.

At this point, you can adjust the setting by pressing the (+) and (-) buttons, each press increasing and decreasing by one level.

When you have finished adjusting, switch the water supply back on.

Setting adjustments



DETECTION RANGE: the detection range refers to the greatest distance from which an object can be sensed in order to activate the system. Press the **RANGE** button and wait for a quick flashing of the LED in the sensor eye. Then, press **+** to increase the detection range and **-** to decrease it.

NOTE: once the detection range has been set using the remote control, this range is memorized even in the event of a power cut.



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 LED in the sensor eye. Move the hand that is holding the remote control, away from the sensor area. The ideal sensor range for each specific location will be set automatically. Once self-adjustment has taken place, the solenoid valve will open and close for one second as an indication that the ideal sensor range has been set, and the product is ready for use.



TRIGGERING TIME: it is recommended to change the triggering time only for WC and urinal flushes. This prevents unintentional activations which may occur when someone passes by the WC or urinal without intending to use it. By adjusting the triggering time, the system will only be activated after a minimum presence time has elapsed. If necessary, the triggering time can be adjusted as follows: press the **IN** button. Wait for the blue light to flash on the sensor. Then press **+** to increase the safety time or **-** to decrease it.



FLOW TIME: this button applies to flush valves for toilets and urinals with an infrared dual flush system. For these flush valves, the full flow time can be adjusted using the double wave button. If required, adjust the full flow time as follows: press the double wave button and wait for a quick flashing of the LED in the sensor eye. Then, press **+** to increase the flow time and **-** to decrease it.

Setting adjustments



DELAY TIME: this button allows for modification of the water flow time after the user removes his hands from the faucet or steps away from the shower. A delay out time close to zero will save more water. For flush valve applications, the delay out time function allows for modification of the time interval that the water starts to flush after the user has left the toilet or urinal. In this case, a delay out time close to zero will not enable the user to be away from the sanitary. An increased delay out time will make the user experience more comfortable however, special consideration should be given to high traffic installations. If required, the delay out time can be adjusted as follows: Press the **OUT** button and wait for a quick flashing of the LED in the sensor eye. Then, press+ to increase the delay out 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.



TEMPORARY OFF FUNCTION: this function temporarily disables the product to allow for any activity near the sensor without activation, for example, cleaning. Faucets and flush valves will remain shut for 1 minute and showers will remain closed for 2 minutes when this button is pressed once. To cancel this function and to return to normal operation press this button again or wait 1 to 2 minutes, depending on the product.



RESET: this function allows the sensor to return to the original factory settings. If your product includes a self adjusting sensor, the **RESET** button will restore all the factory settings except for the sensor range.

To enter self adjusting mode, use the **ADJ** button.

To change the sensor range, use the **RANGE** button.

If reset is required, press the **RESET** button and the+ button together.

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. 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 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 sensor kit for faucet 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.

Troubleshooting

SOLUTION	CAUSE	INDICATOR	PROBLEM
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.

[illegible]

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