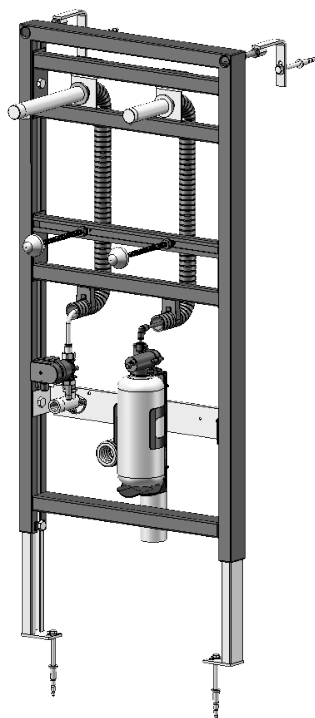
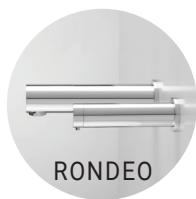


SUPRATECH

HYGIENE ON THE MOVE!



RES-KE2

**IRON WASHBASIN FRAME FOR
WALL-MOUNTED ELECTRONIC
WATER AND SOAP FAUCETS**

INSTALLATION AND MAINTENANCE GUIDE

RONDEO washbasin frame for electronic faucets

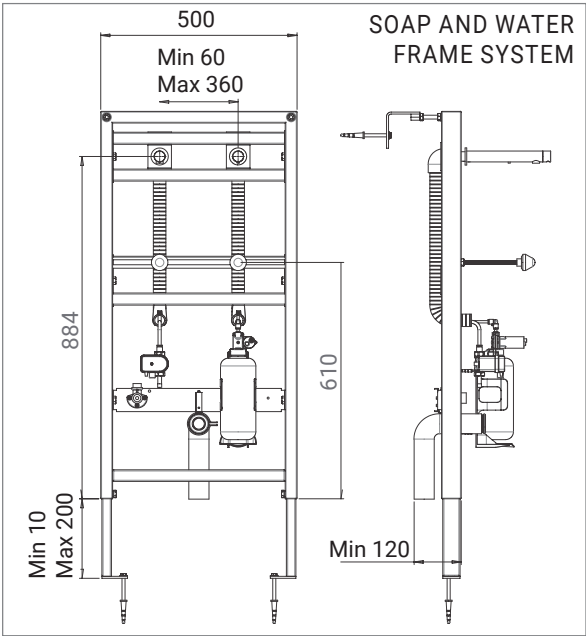
Ref. RES-KE2

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TECHNICAL CHARACTERISTICS



RES-KE2-143
AKWALINE water
RONDEO soap

RES-KE2-123
RONDEO water
RONDEO soap

RES-KE2-243
CARREO water
CARREO soap

Power Supply	12V transformer
Water pressure	0.5-8 bars. If water pressure is above 8 bars, use a pressure reducing valve
Faucet sensor range	40-170 mm. Self-adjusting sensor (adjustable by remote control)
Soap dispenser sensor range	30-100 mm (adjustable by remote control)
Soap capacity	1L
Soap viscosity	100-3800 cPs
Standard soap discharge	1.4 cc (adjustable by remote control)
Security time (faucet)	90 seconds (adjustable by remote control)
Water temperature	Max 70°C

PACK CONTENTS



1 X IRON FRAME



1 X OUTLET
PIPE



2 X THREADED RODS
AND PLASTIC SLEEVES



2 X SHUT OFF
VALVES
(OPTIONAL)



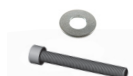
2 X WALL
BRACKETS



4 X SCREWS AND
ANCHORS



1 X ALLEN
KEY



2 X ALLEN
SCREWS AND
WASHERS



2 X SCREWS
FOR SPOUTS



2 X
ROSETTES



2 X WASHBASIN
FASTENING SETS



1 X POWER
SPLITTER



1 X SOAP
BOTTLE
AND BRACKET



2 X SCREWS AND
ANCHORS FOR
SOAP BOTTLE
BRACKET



1 X DUAL POWER
INPUT BOX



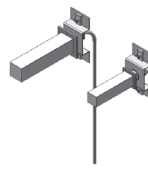
1 X TRANSFORMER



AKWALINE FAUCET
AND
SOAP DISPENSER



RONDEO FAUCET
AND
SOAP DISPENSER



CARREO FAUCET
AND
SOAP DISPENSER

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.

If any parts are missing, do not attempt to install the system until you have obtained the missing parts.

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.

WARNING

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

IMPORTANT

The water faucet and soap dispenser models with infrared sensor pointing down, are not intended to be used with a washbasin of reflective material such as bright stainless steel.

If the drain is straight below the unit's sensors, use a drain with a non-reflective finish (do not use a chrome plated one).

Water and electricity should be shut OFF throughout the entire installation process.

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

INSTALLATION

STEP 1 – IRON FRAME INSTALLATION

1

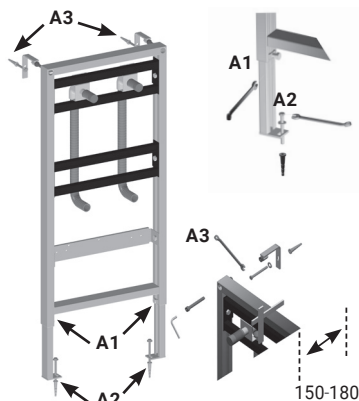
Iron frame setup and mounting:

Set the length of both legs (A1) to the desired length.

NOTE: The leg length will determine the final height of the faucet and soap dispenser as well as the height of the washbasin. Please take into account the height of the finished floor while setting up.

Mount the frame legs to the floor (A2).

Fasten the frame to the wall using the supplied wall brackets (A3).

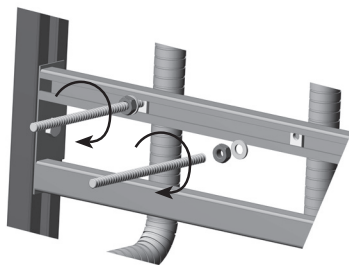


2

Washbasin support assembly:

Fit the two threaded rods meant for washbasin support into the iron frame.

Ensure you adjust the final position of the rods to fit the dimensions of the chosen washbasin. Fix the plastic sleeves of the rod covers onto the threaded rods.

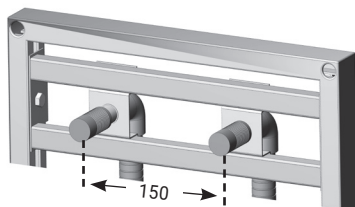


3

Faucet and soap dispenser position setup:

Adjust faucet and soap dispenser bases into horizontal position.

DO NOT remove the dust covers.

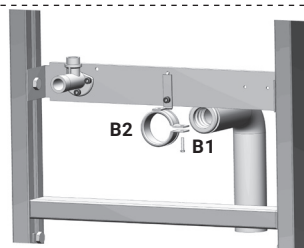


4

Plumbing:

Fasten the waste pipe (B1) to the iron frame using the bracket (B2).

Cut the lower part of the waste pipe to the desired length, and connect it to the main waste line.



INSTALLATION

STEP 2 – WASHBASIN INSTALLATION

IMPORTANT: Before wall construction and tiling, make sure all parts are connected properly and securely.

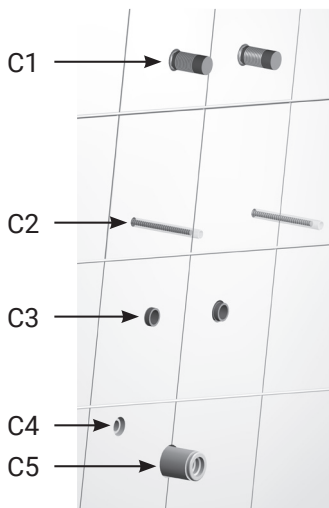
Carry out this part of the installation after the wall and floor construction has been completed.

At this point, the following parts will protrude out of the wall:

- Faucet and soap dispenser bases with dust covers (C1).

NOTE: It is recommended to fill the cavities around the base with cement to better secure it inside the wall.

- Two threaded rods covered with protective plastic sleeves (C2)
- Faucet and soap dispenser corrugated tubes (C3).
- Water inlet pipe opening (C4).
- Waste outlet pipe (C5).



1

Cut the threaded rod to the length that will fit the selected washbasin.

Cut the rod cover sleeves, just enough to expose the threading at the end of the rods' ends.

Install the washbasin onto the threaded rods, and fasten it into place using the washbasin fastening set (D1).



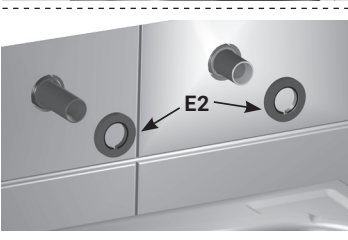
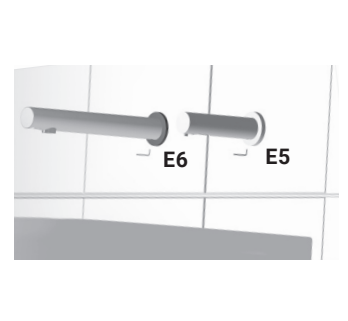
2

Connect the washbasin trap to the waste outlet pipe in the wall (D2).



INSTALLATION

STEP 3 – INSTALLING THE FAUCET AND SOAP DISPENSER

1	Remove the dust covers (E1) located at the faucet and soap dispenser base and dispose of them.	
2	Fit the rosettes (E2) onto the faucet and soap dispenser bases.	
3	Thread the soap dispenser's electrical cables and the flexible soap pipe through the soap dispenser base (E3) until it is fully extended outside the corrugated pipe (E4).	
4	Install the soap dispenser spout onto the base and tighten it with its screw (E5). Thread the faucet's electrical cable and flexible water pipe through the faucet base and corrugated pipe. Install the faucet spout onto the base and tighten it with its set screw (E6).	

NOTE: The faucet has one electrical wire and one water inlet flexible tube. The soap dispenser has two electrical wires and one soap inlet flexible tube and these wires and pipes will be connected at a later stage.

INSTALLATION

STEP 4 – CONNECTING THE WATER SUPPLY

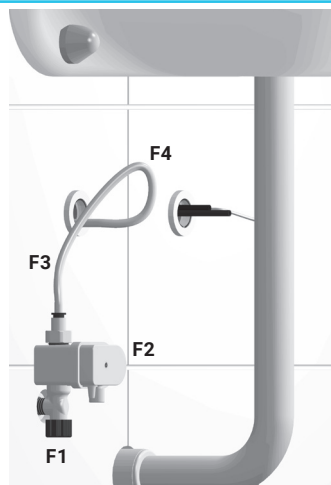
CAUTION: Make sure the central water system is shut off.

Connect the shutoff valve (F1) (if supplied) to the water inlet (C4). Keep it in the shutoff position.

Connect the dual power input box (F2) directly to the shutoff valve.

Cut the sealed end of the water inlet flexible tube.

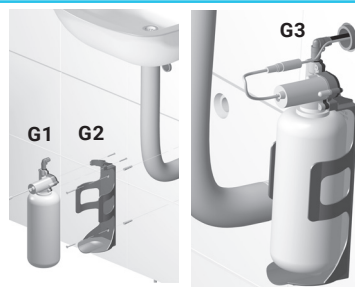
Snap the water inlet flexible tube into the dual power input box (F3).



STEP 5 – CONNECTING THE SOAP SYSTEM

Fix the soap bottle (G1), with its bottle support (G2), to the desired location on the wall.

Cut the sealed end of the soap pipe and connect it to the quick connection fitting at the top of the soap dispenser pump assembly (G3) by snapping it in.

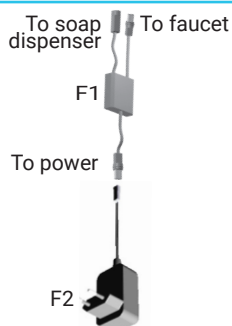


STEP 6 – CONNECTING THE POWER SOURCE

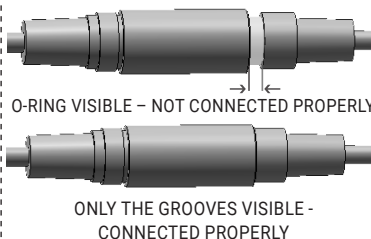
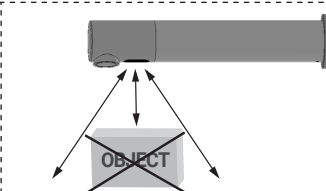
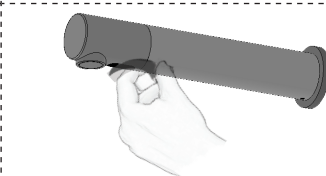
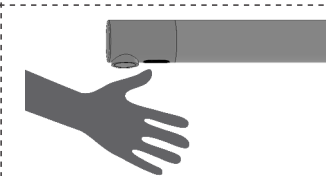
1

CAUTION: Make sure the transformer is not connected to the main power line. **DO NOT** perform any electrical wiring under power.

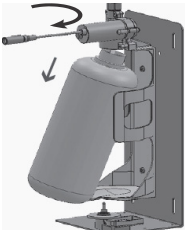
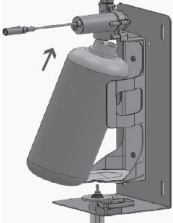
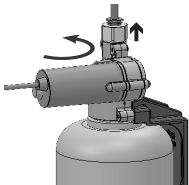
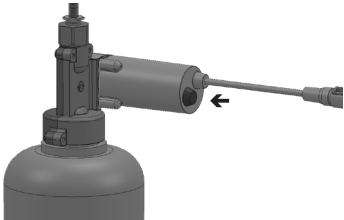
Connect the power (transformer) to the faucet electrical connector and the soap dispenser electrical connector using the power splitter.



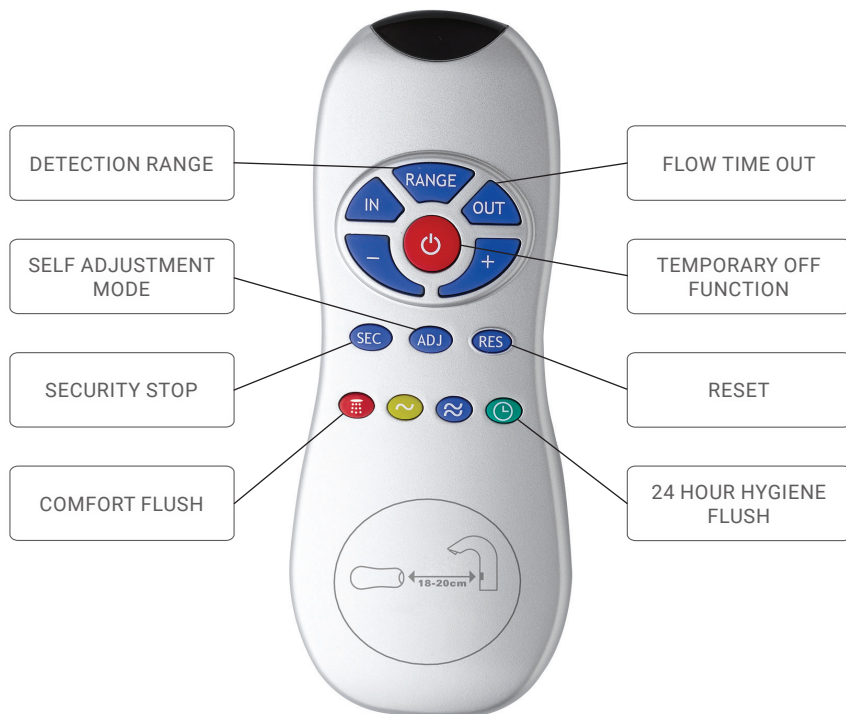
INSTALLATION

2	Connect the soap pump connector to the matching connector coming from the sensor. Please note that as the connector is waterproof, it may be necessary to apply some pressure. IMPORTANT: The 4-contact connectors should be connected properly so that the white o-ring is not visible.	 O-RING VISIBLE - NOT CONNECTED PROPERLY ONLY THE GROOVES VISIBLE - CONNECTED PROPERLY
NOTE: If the 4-contact connectors are not connected properly, the pump will run continuously. IMPORTANT: The AKWALINE, RONDEO and CARREO faucet and soap dispenser systems feature self-adjusting sensors. The ideal sensor range is automatically set according to the environment.		
3	Before proceeding, check that no objects are in front of the sensors.	
4	Remove the protective stickers covering both sensors and exit detection range.	
5	Connect the transformer to the power source. Wait about 10 seconds before putting your hands within the sensor range to avoid interfering with its settings.	
6	When the time is up, place hands under the faucet and soap dispenser and check their fonctionnality.	

FILLING THE SOAP TANK

1	Unscrew the soap tank from the pump assembly and pull it out from the bottle support.	
2	Fill the tank up to the top line.	
3	Insert the soap tank along with the tube back into the bottle support	
4	Screw the soap tank back onto the pump. Make sure the tank is firmly secured into place.	
5	Press the refill button located on the back of the pump to prime the soap until it comes out of the spout. This step can also be completed using the RES-38 remote control.	
NOTE: Refill when the soap level has reached the bottom line of the tank.		

SETTING ADJUSTMENTS - WATER



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.

SETTING ADJUSTMENTS - WATER

	DETECTION RANGE: the detection range represents the optimum distance at which a hand must be placed to trigger the system (water & soap). 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 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. Press the OUT button. Wait for the blue LED to flash on the sensor. Then press (+) to increase the flow time out or (-) to decrease it.
	TEMPORARY OFF FUNCTION: faucets will remain shut for 1 minute when this button is pressed once. To cancel this function and to return to normal operations, press the ON/OFF button again or wait 1 minute.
	SELF ADJUSTMENT MODE: make sure that no objects are in front of the sensor. Press the ADJ button. Wait for the blue LED to flash on the sensor. 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 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 regular operation, all obstructions must be removed. 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 button restores all factory settings except for the detection range (to adjust the detection length, use the RANGE button). Press and hold down the RESET button and, at the same time, press the (+) button once.
	COMFORT FLUSH: when the button is pressed, wait for one flash of the sensor's LED and the pre-programmed flush cycle will begin. The comfort flush feature cannot be interrupted or deactivated by pressing any button until it has finished.
	24 HOUR HYGIENE FLUSH: to activate or deactivate the hygiene flush, press the clock button, and wait for a quick flashing of the sensor's LED. Then press (+) to activate or (-) to deactivate it.

SETTING ADJUSTMENTS - SOAP DISPENSER

If necessary, use the (optional) **RES-38** remote control to adjust the soap dispenser's settings. To use the remote control, hold it straight in front of the sensor, at a distance of about 10-15 cm.

WARNING: Holding the remote control out of the recommended range (too close or too far) may affect its operation.

Select the function you want to adjust by pressing the corresponding button as follows:

1 SOAP DOSAGE

The 1-4 drop keys allow the user to choose the desired soap quantity.*

① 0.7 to 0.9

② 1.2 to 1.6

③ 1.6 to 1.9

④ 2.1 to 2.3 *

Indication: continuous blink of the LED in the sensor eye.

*The exact soap dosage depends on the soap viscosity.

2 ADJ

This function resets the soap quantity back to its factory settings.

Indication: 2 blinks of the LED in the sensor eye.

3 TEMPORARY OFF FUNCTION

This function is ideal to perform any kind of activity in front of the sensor without operating the system (for example, cleaning).

The soap dispenser will remain shut for one minute when this button is pressed once.

To cancel this function and to return to normal operation press the **ON/OFF** button again or wait one minute.

Indication: **OFF** – 2 fast blinks, **ON** – 4 fast blinks

4 FILL THE SOAP TANK

Once the soap tank has been filled \ re-filled press the **FILL** button. The pump will operate for one minute to initiate the soap flow through the dispenser spout.

To stop this activity, press the **FILL** button again. If the soap has not started dispensing from the spout, press the **FILL** button again.



Ref. **RES-38**

SPARE PARTS LIST

Seals and screws kit (AKWALINE faucet)	S07210102
Sensor kit (AKWALINE faucet)	S08004503
Seals and screws kit (RONDEO faucet)	S07210138
Seals and screws kit (CARREO faucet)	S07210035
Sensor kit (RONDEO/CARREO faucet)	S07220355
Dual power input box (AKWALINE/RONDEO/CARREO faucet)	S07232005
Solenoid valve (AKWALINE/RONDEO/CARREO faucet)	S07230017
Remote control for faucet	RES-31
Seals and screws kit (RONDEO soap dispenser)	S07210150
Seals and screws kit (CARREO soap dispenser)	S07210128
Sensor kit (RONDEO/CARREO soap dispenser)	S07220280
Soap dispenser pump	S07222012
1L soap bottle	S07100020
1L soap bottle bracket kit	S07220087
Power splitter	S06001025
Transformer	S06522081
Add-ons:	
Remote control for soap dispenser	RES-38
Remote control for water faucet	RES-31

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.

FILTER AND SOLENOID VALVE CLEANING INSTRUCTIONS AND SERVICING

This faucet is provided with a stainless steel filter preventing foreign particles from entering the lines. 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.

The solenoid valve requires periodical cleaning every 6 months and is located inside the dual power input box.

Do not attempt to dismantle the solenoid valve if you are unfamiliar with electronic solenoid valves.

DISASSEMBLY OF THE SOAP PIPE FROM THE PUMP

The soap pipe can be disconnected from the soap pump by a simple slide and pull action. The sliding ring of the quick connection fixation nipple on the pump should be pulled down. It releases the open end of the soap pipe which can then be easily pulled out.

CLEANING THE SOAP TANK

Before filling, clean the tank with hot water, circulating it through the pipes by operating the pump until clear water comes out of the spout.

TIP: This process can be completed quickly and hygienically with minimal downtime by keeping a spare tank on hand.

LIMITED WARRANTY

The electronic units of this system are 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, 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 soap tank or water supply.
- Use of soap outside viscosity recommendations.
- Alteration of the original soap dispenser components (including pipes).
- 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
Soap not dispensing	1. Blue indicator light flashes (once) and soap pump operates when user's hands are within range.	Soap tank is empty.	Fill with soap of correct viscosity (100-3800 cPs) and prime pipes using the FILL button on remote control or by pressing the refill button located on the pump.
		Soap tank has been filled but the soap does not reach the spout.	Prime the soap dispenser by pressing the FILL button on the remote or by pressing the refill button located at the bottom of the pump, until soap exits the spout.
		Connectors between the sensor and the pump are disconnected or not properly connected.	The connectors should be inserted fully until the white o-ring is no longer visible. Remove the o-ring if necessary.
		Debris or solidified soap in the pipe or tank.	Run hot water through pipe, pump, and body all the way to the nozzle. Replace with soap of correct viscosity. NOTE: Using the soap dispenser with high viscosity soap may cause permanent damage to the pump and shorten its lifecycle.
		Bent pipes.	Unbend or straighten pipes.
	2. Blue indicator light does not flash and soap pump does not operate when user's hands are within range.	Reflection issue from washbasin or another object.	Eliminate any cause of reflection and /or, if necessary, use appropriate remote control to shorten detection range.
		Connectors between sensor and power source are disconnected or not properly connected.	The connectors should be inserted fully until the white o-ring is no longer visible. Remove the o-ring if necessary.
Soap runs continuously		Connectors between the sensor and the pump are disconnected or not properly connected.	The connectors should be inserted fully until the white o-ring is no longer visible. Remove the o-ring if necessary.

TROUBLESHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION
No running water	1. 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. The unit is "Security Mode".	
		4. Sensor is picking up reflections from the washbasin or another object.	Eliminate cause of reflection.
	2.The sensor's LED flashes once when the user's hands are within detection range	1. Dirt or scale in the 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.
		2. The central opening of the diaphragm is blocked or torn.	Clean the opening or replace the diaphragm.
		3. The water supply pressure of the faucet is greater than 8 bars.	Decrease water supply pressure.
		The water supply pressure is under 8 bars and yet the pressure in the faucet's body is higher. This situation could be caused by a sudden increase in the water supply pressure that the back check prevents from dropping, even after water supply pressure drops under 8 bars.	Shut off water supply and unscrew one of the flexible pipes in order to reduce the pressure that blocks the product.
Water does not stop running	1. The sensors LED flashes once when the user's hands are within detection range	Dirt or scale in the diaphragm.	Clean the opening or replace the diaphragm.
		2. Connectors between the electronic unit and the dial power input box are disconnected or not connected properly.	The connectors should be inserted fully until the white o-ring is no longer visible. Remove the o-ring if necessary.
	2. The sensor's LED does not flash when user's hands are within range	1. The sensor is dirty or obstructed.	Clean or remove obstructions.
		2. The sensor is picking up reflection from the washbasin or another object.	Decrease detection range or eliminate reflection source.
Weaker water flow		Filter or aerator is clogged.	Remove, clean, re-install.

SUPRATECH

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