

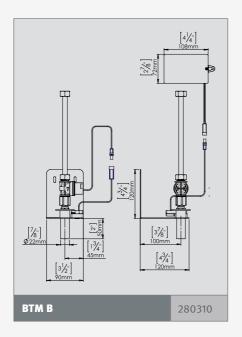
INSTALLATION AND MAINTENANCE GUIDE

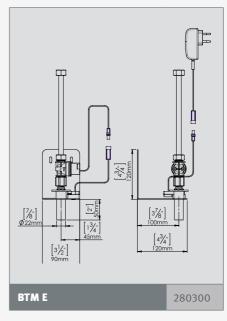
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TECHNICAL DATA

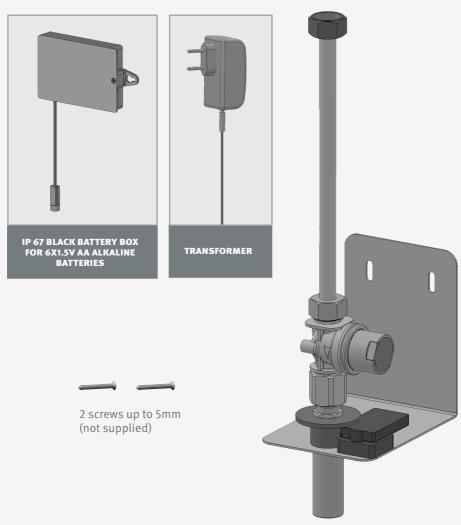




Power supply:	IP 67 Black battery box for 6x1.5V AA Alkaline batteries \Transformer	
Recommended water pressure:	0.5-8.0 bar (7-116 PSI) With water pressure of more than 8 bars,	
Recommended water pressure.	use a pressure reducing valve	
Sensor range:	Self adjusting sensor. Adjustable with remote control	
Minimum sensor range:	80 mm	
Maximum sensor range:	300 mm	
Security time:	90 seconds. Can be reduced with the remote control	
Hot water temperature:	Max. 70°C	

PACK CONTENTS

Familiarize yourself with the part names and confirm that the parts are included.



1x Plate with faucet spout, sensor and solenoid valve

PRE-INSTALLATION INFO

CHECK CONTENTS

Separate all parts from the packaging and check each part with the pack contents section. Pay attention to the variations of the different models.

Make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not attempt to install your electronic faucet until you obtain the missing parts.



WARNING

- 1) To avoid reflection problems keep a distance of more than 300 mm. between the sink and the spout.
- 2) This faucet model, with an infrared sensor pointing down, is not intended to be used together with a sink of a reflective material such as stainless steel.
- 3) If a sink strainer is straight below the faucet sensor, use a strainer with a non reflective finish (do not use a chrome plated one).

PREPARATION FOR INSTALLATION

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

IMPORTANT

All plumbing is to be installed in accordance with applicable codes and regulations. Pay attention that the dimensions of the mirror compartment fits the dimensions of the faucet plate.

FAUCET INSTALLATION

STEP 1 - PREPARATION FOR INSTALLATION



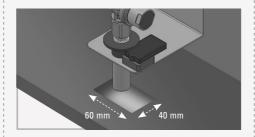
Shut off the water supply.



(2)

Cut a hole in the bottom of the mirror compartment for the faucet sensor and spout both.

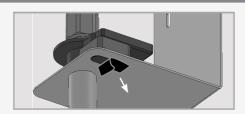
The recommended hole size should be 40x60 mm.



STEP 2 - INSTALLING THE FAUCET

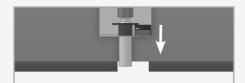


Remove the protective sticker covering the sensor.



2

Place the faucet assembly inside the mirror compartment with the spout sticking out of the hole.

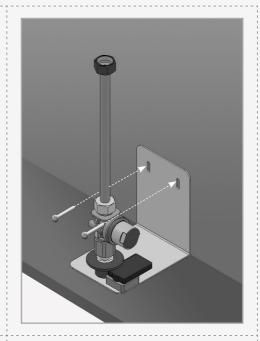




FAUCET INSTALLATION



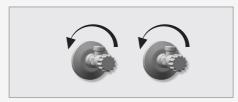
Secure the plate to the wall with 2 screws (not supplied).





Connect the flexible pipe to the main water supply.

Turn on the central water supply and check for leaks.



FAUCET INSTALLATION

STEP 3 - CONNECTING THE POWER SOURCE

IMPORTANT: This product includes a self adjusting sensor.

The ideal sensor range for the specific location will be set automatically.





Connect the connectors between the solenoid valve and the electronic unit.



For battery versions:

Install the battery box on the wall in the mirror compartment and connect the battery connector.





For transformer versions:

Plug the transformer into the electricity socket and make sure the transformer connector is connected to the sensor.





Wait about 10 seconds before you put your hands within the sensor range.



If the automatically adjusted sensor range is not satisfactory to your purposes, please refer to the section entitled "Settings adjustment".

SETTINGS ADJUSTMENT



ADJUSTING THE SETTINGS WITH THE REMOTE CONTROL

If necessary, the sensor settings can be adjusted as follows:

Shut off the water supply. In order to adjust the sensor with the remote control, hold the remote control straight in front of the sensor in a distance of about 6-8" (15-20cm).

Choose the function you want to adjust by pressing once on one of the function buttons. After pressing once on a specific function button, a quick flashing of the red light at the front of the sensor will occur. At this stage, you can change the setting by pressing the (+) or the (-) buttons, every push will increase or decrease one level. After finishing the adjustment, turn the water supply back on.

SETTINGS ADJUSTMENT



DETECTION RANGE: This faucet was supplied with a self adjusting sensor. The ideal detection range for the specific location will be set automatically. Only if necessary, use the remote control to adjust the sensor range as follows:

Press the **RANGE** button. Wait until a quick flashing of the red light in the sensor eye is perceived. Then, press + to increase the range and – to reduce it. Every push will increase or decrease one level.

NOTE: Once you have changed the detection range with the remote control, the distance will be remembered by the sensor, even if the power source is disconnected. To get back to the self adjustment mode, use the **ADJ** button only.



ENTRANCE TO THE SELF ADJUSTMENT MODE: Check that no objects are in front of the sensor. Press the **ADJ** button. Once a quick flashing of the red light of the sensor eye is perceived, remove your hand holding the remote control and move away from the sensor area. The ideal sensor range for the specific location will be set automatically. Once the self adjustment has taken place, the solenoid valve will be opened and closed for 1 second as an indication that the ideal sensor range was set and the product is ready for use.



SECURITY TIME: The Security time, prevents continuous running of water due to reflections or vandalism. By default, if the sensor is covered for more than 90 seconds the water flow will shut automatically. To resume regular operation any obstruction must be removed.

Press the **SEC** button. Wait until a quick flashing of the red light in the sensor eye is perceived. Then, press + to increase the security time and – to reduce it.



DELAY IN TIME: It is recommended to change the delay in time for flush valves for urinals or toilets only. If required, the delay in time can also be modified in faucets as follows:

Press the IN button. Wait until a quick flashing of the red light in the sensor eye is perceived. Then, press + to increase the delay in time and – to reduce it.

SETTINGS ADJUSTMENT



DELAY OUT TIME: This button allows modifying the water flow time after the user removes his hands from the faucet. A delay out time close to o will save more water. An increased delay out time will make the user experience more comfortable. If required, the delay out time can be modified as follows:

Press the OUT button. Wait until a quick flashing of the red light in the sensor eye is perceived. Then, press + to increase the delay out time and – to reduce it.



24 HOUR HYGIENE FLUSH: If you have a compatible model with a 24 hours hygiene flush it is possible to enable and disable it. To activate the hygiene flush, press the clock button. Wait until a quick flashing of the red light in the sensor eye is perceived. Then press + to activate the hygiene flush or – to deactivate it.



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 faucet will remain shut for 1 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 1 minute.

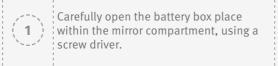


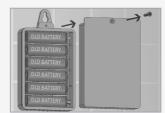
RESET BUTTON: This function restores all the factory settings except for the sensor range. If required, press the Reset button and without releasing it, press the + button once.

NOTE: To enter the self adjusting mode, use the ADJ button. To change the sensor range, use the RANGE button.

BATTERY REPLACEMENT

When the battery weakens, the red indicator light will blink at a constant rate when the user's hands are within the sensor range. The battery must be replaced within two weeks.



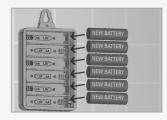


(2) Remove the old batteries.



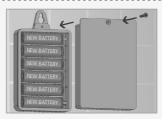
Replace the used batteries with new 1.5V AA batteries.

NOTE: Do not mix used batteries with new ones.



(4)

Close the box.



IMPORTANT: Spent batteries should not be disposed of with normal household waste. Contact your local authority for information on waste disposal and recycling.



MAINTENANCE

FILTER CLEANING INSTRUCTIONS

The system is provided with one 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 filters can be cleaned as follows:

- 1. Shut-off the water shut off valve.
- 2. Disassemble the faucet and remove the filter located between the solenoid housing and the flexible pipe.
- 3. Wash the filter under running water.
- 4. Reassemble the parts.
- 5. Make sure that there is no water leakage.

SOLENOID VALVE SERVICING

The solenoid valve diaphragm requires periodical cleaning every six (6) month. Remove the diaphragm from the solenoid valve and examine it for dirt. in case it is dirty or clogged, wash it under running water and reassemble it.

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

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

SPARE PARTS LIST

SEALS AND SCREWS KIT	07210171
10-PACK SENSOR KIT	07220341
8-PACK SOLENOID AND HOUSING KIT	07221103
10-PACK SOLENOID KIT	07232000
DIAPHRAGM	04500001
IP67 BLACK BATTERY BOX FOR 6X1.5V AA BATTERIES	06530092
TRANSFORMER	06522091

WARRANTY

Y. Stern Engineering Ltd. warrants that its electronic faucets, flush valves and controls will be free of defects in material and workmanship during normal use for two years from the date the product is purchased.

If a defect is found in normal use, Y. Stern Engineering Ltd. will, at its discretion, repair, provide a replacement part or product, or make appropriate adjustments. Damage caused by accident, misuse, or abuse is not covered by this warranty. Improper care and cleaning will void the warranty. Proof of purchase (original sales receipt) must be provided to Stern Engineering Ltd. with all warranty claims.

Stern Engineering Ltd is not responsible for labor charges, installation, or other incidental or consequential costs other than those noted above. In no event shall the liability of Stern Engineering Ltd. exceed the purchase price of the shower, valve or control.

If you believe that you have a warranty claim, contact your Stern Distributor, Dealer or Plumbing Contractor. Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the product, model number, the date the product was purchased, from whom the product was purchased and the installation date. Also include your original invoice.

Y. STERN ENGINEERING AND/OR SELLER DISCLAIM ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. This warranty excludes product damage due to installation error, incorrect maintenance, wear and tear, battery, water composition, product abuse, or product misuse, whether performed by a contractor, service company, or the consumer. This warranty does not cover product damage caused by the following:

- Incorrect installation, inversions 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.

SERVICE CHECK LIST

PROBLEM	INDICATOR	CAUSE	SOLUTION
No water coming out of the faucet.	1.Sensor flashes continuously when user's hands are within the sensor's range.	Low battery.	Replace battery.
	2. Red light in the sensor does not flash once when user's hands are within the sensor's range.	1. Range is too short.	Increase the range.
			Decrease the range.
		3. Battery is completely used up.	The battery must be replaced.
		4. Unit is in "Security Mode"*	
		5. Sensor is picking up reflections from the washbasin or another object.	Eliminate cause of reflection.
	3. Red light in the sensor flashes once when user's hands are within the sensor's range.	1. Debris or scale in solenoid.	Unscrew the solenoid, pull out the plunger and the spring from the solenoid and clean them. Use a scale remover material if needed. When replacing the plunger, please make sure that the spring is in vertical position.
		2. The central orifice in the diaphragm is plugged or the diaphragm is torn.	Clean the orifice or replace diaphragm.
		3. The water supply pressure is higher than 8 bar (116 PSI).	Reduce the supply water pressure or install a pressure reducer valve.
		4. 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 backcheck prevents from dropping, even after water supply pressure drops under 8 bars.	Shut off water supply and un- screw one of the flexible pipes in order to reduce the pressure that blocks the product.
Water flow from spout does not stop.	1. Sensor flashes once when user's hands are within the sensor's range. 2. Red light in the sensor does not flash once when user's hands are within the sensor's range.	Debris or scale in diaphragm	Clean the orifice or replace diaphragm.
		1. Sensor is dirty or covered.**	Clean or eliminate case of interference.
		2. Sensor is picking up reflections from the washbasin or another object.	Decrease the range or eliminate cause of reflection.
Water flow diminished.		Filter or aerator is clogged.	Remove, clean, re-install.

^{* &}quot;Security Mode": If the sensor is covered for more than 90 sec. the faucet will automatically shut off water flow. To return to normal operation remove any blockage.

^{**} In this case, the water flow will stop anyway after 90 seconds because of the security time.



15 Gan Rave Blvd., 81222 Gan Rave, Yavne, Israel
Tel: 972-8-9326000, Fax: 972-8-9326025, export@sternfaucets.com
www.sternfaucets.com

