INSTALLATION AND MAINTENANCE GUIDE

NEPTUNE 1032 B / E

ELECTRONIC SHOWER CONTROL
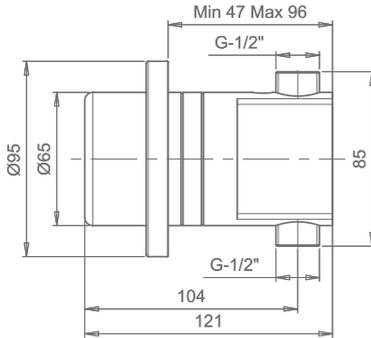
STERN ENGINEERING LTD.

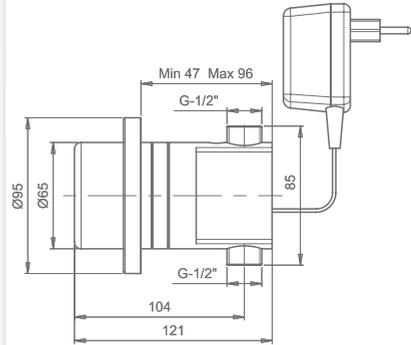# INDEX

TECHNICAL DATA

Min 47 Max 96
G-1/2"
Ø95
Ø65
85
G-1/2"
104
121

NEPTUNE 1032
613200

Min 47 Max 96
G-1/2"
Ø95
Ø65
85
G-1/2"
104
121

NEPTUNE 1032 E
613400

CONCEALED ELECTRONIC SHOWER FOR COLD OR PREMIXED WATER

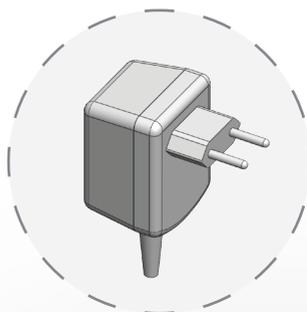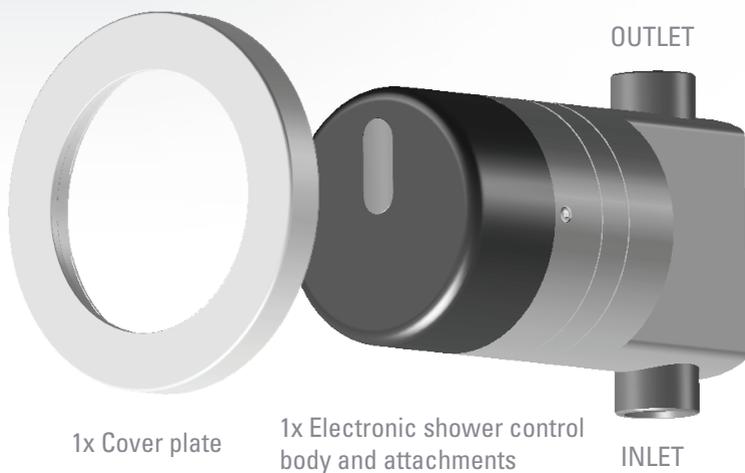|	
Power supply:	Internally mounted 9V battery or 9V transformer
Recommended water pressure:	0.5-8.0 bar (7-116 PSI)
Preset sensor range:	55 cm – Adjustable manually or with a remote control
Security time:	10 minutes
Delay In / Out Time:	10 Seconds

PACK CONTENTS

OUTLET

1x Cover plate

1x Electronic shower control body and attachments

INLET

2 x Allen keys 2 mm and 4 mm

1 x 9V Transformer (E version)

PRE–INSTALLATION INFORMATION

Check contents

Separate all parts from the packaging and check each part with the pack contents section.

Pay attention to the different models variations.

Make sure all parts are accounted for before discarding any Packaging material.

If any parts are missing, do not attempt to install your Neptune 1032 electronic shower until you obtain the missing parts.

Warnings

Do not install the Shower 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 1.50 meters between the Shower and other objects.

Pay attention to the inlet and outlet marks on the shower control body.

Preparation for installation

Electronic shower supply lines thoroughly before installing the electronic shower. Do not allow dirt, Teflon tape or metal particles to enter the electronic shower.
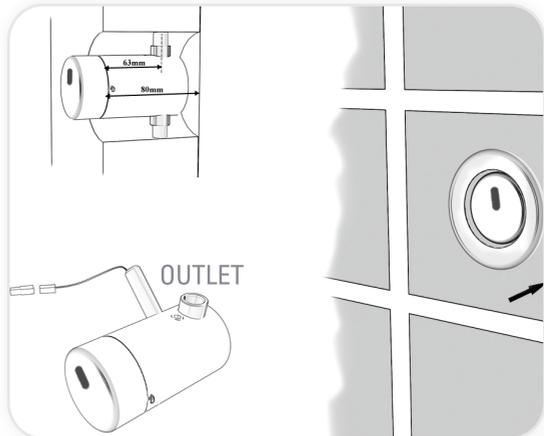
Shut off water supply.

Important

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

INSTALLATION

1) Shut off the water supply.

2) Cut an adequate opening in the wall for the dimensions of the product and if your model is Neptune 1032 E for the electric wires.

3) Insert the product through the wall opening and assemble the inlet to the water supply pipe in the wall.

4) Connect the outlet to the pipe leading to the shower head.

5) Mount the shower body to the wall so it will protrude from the wall as shown in the drawing.

6) If your model is Neptune 1032 E place the transformer near the electricity plug (up to 3 meters from the electronic shower body) and connect the transformer wire to the shower body through the hole.

Important: After connecting the power source, wait a few seconds before activating the shower control to avoid entering into "adjusting mode".

7) Turn on the water supply and check for leaks.

8) After the ceramic tiles are installed, assemble the cover plate over the shower body on the wall.

9) If the range is unsatisfactory, refer to the section titled "Settings adjustment".

SETTINGS ADJUSTMENT
WITH REMOTE CONTROL

DETECTION RANGE

DELAY IN TIME

LOCK OUT TIME

DELAY OUT TIME

TEMPORARY OFF FUNCTION

RESET

FLOW TIME

Adjusting the settings with the remote control

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

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 4" (10cm). 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
WITH REMOTE CONTROL

RANGE

DETECTION RANGE: The sensor range is the greatest distance that an object can be away from the sensor to activate the electronic shower. The sensor is factory preset.
To adjust the sensor range press + to increase detection range and – to decrease the detection range of the sensor.

≈

FLOW TIME (SECURITY TIME): Press + to increase the security time and – to decrease it.

IN

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 be modified also in electronic showers as follows:
Press the IN button. Wait until a quick flashing of the red light of the sensor eye is perceived. Then, press + to increase the delay in time and – to reduce it.

OUT

DELAY OUT TIME: This button allows modifying the water flow time after the user step out from the electronic shower. A delay out time close to 0 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 of the sensor eye is perceived. Then, press + to increase the delay out time and – to reduce it.

SETTINGS ADJUSTMENT
WITH REMOTE CONTROL

TEMPORARY OFF FUNCTION: Pressing this function button will prevent the opening of the solenoid for 2 minutes. To cancel this function press the On/Off again.

RESET BUTTON: This function allows the sensor to return to the original factory preset settings. If required, press the Reset button and without releasing it, press the + button once.

MANUAL RANGE ADJUSTMENT

Adjusting the sensor range without a remote control:

1. Disconnect the power supply, battery or transformer, from the sensor.

2. Activate the sensor three or four times.

3. Reconnect the power supply to the sensor.

4. To enter into the adjusting mode, put your hand in front of the sensor at a distance of 2"(5cm) to 4"(10cm) within 5 seconds after reconnecting the power supply.

Note: If you will not put your hand in front of the sensor after connecting the power supply, the sensor will not enter into adjusting mode and the previous setting will return.

5. When the sensor enters into the adjusting mode and your hand is in front of the sensor, a slow flashing of the red light at the front of the sensor will occur.

6. Keep your hand at the front of the sensor until the slow flashing changes into quick flashing. At this point, move your hand to the required distance from the sensor and wait until the red light will stop flashing.

7. When the red light has turned off, the sensor has been adjusted to the required distance.

8. Check the distance you have set and if it is not satisfactory, repeat steps 1-6.
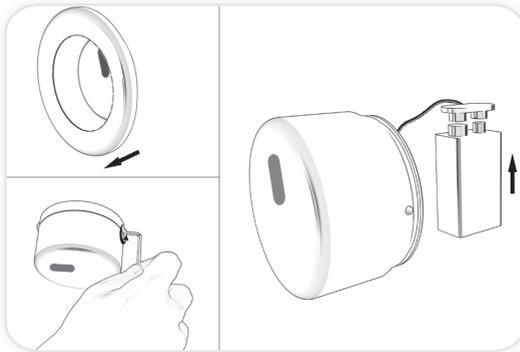
BATTERY REPLACEMENT

Battery models only

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.

To replace the battery at battery models:

1) Pull out the cover plate. Release the screw with the Allen key and carefully pull it out.

2) Replace the used battery with a new 9V battery (Lithium battery is recommended).

3) Before reassembling the cap, make sure that the external O-ring is not damaged. Replace it if necessary.

4) Reassemble the cover plate with the electronic cap.

Attention: The interior of the shower body and the cover plate must be fully dry before reassembling the parts. If it is not fully dry, carefully dry it.

5) Connect the solenoid valve connector to the electronic unit connector.

6) Assemble the cap.

7) Tighten the screw.

NOTE: In order to avoid entering the adjusting mode, wait 10 seconds after the connection of the new battery before you will operate the system.

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

This electronic shower is provided with one stainless steel filter preventing foreign particles to enter the lines. If the water flow has decreased, this can be because the filter is clogged. The filter can be cleaned as follows:

  1. Shut-off the water shut off valve (angle valve).

  2. Disconnect the inlet pipe.

  3. Remove the filter and wash it under running water.

  4. Reassemble the parts.

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

SPARE PARTS LIST

Seals and Screws Kit 07210008

Sensor Kit Neptune 1032 07220019

Sensor Kit Neptune 1032 E 07220018

Filter Stop Valve Kit 07212002

Cover kit 07270005

Battery Cover 06500001

Solenoid valve kit 07230002

Diaphragm 04500001

Cover plate kit 07260010

Transformer 06522042

OPTIONAL ACCESSORIES

Vandal resistant shower head SH 9000 600400

Vandal resistant shower head SH 7000 600200

9V Lithium battery 06511002

9V Alkaline battery 06511001

Remote Control 07100005

LIMITED WARRANTY

The manufacturer warrants that its electronic flush valves, 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, the manufacturer 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 The manufacturer with all warranty claims.

The manufacturer 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 the manufacturer exceed the purchase price of the flush valve, valve or control.

If you believe that you have a warranty claim, contact your 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.

THE MANUFACTURER 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

TROUBLE SHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION
No water coming out of the shower head:	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.
		2. Range is too long.	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. Connectors between the electronic unit and solenoid are disconnected.	Connect the electronic unit connectors to the solenoid.
		2. Debris or scale in solenoid.	Unscrew solenoid, pull out the plunger and the spring from the solenoid and clean them.
		3. The central whole in the diaphragm is plugged or the diaphragm is torn.	Clean the whole or replace the diaphragm.
		4. The water supply pressure is higher than 8 bar.	Reduce the supply water pressure.
Water flow from spout does not stop:	1. Sensor flashes once when user's hands are within the sensor's range.	Debris or scale in diaphragm or the diaphragm is torn.	Clean the whole or replace the diaphragm.
	2. Red light in the sensor does not flash once when user's hands are within the sensor's range.	1. Sensor is dirty or covered	Clean or eliminate case of interference.
		2. Sensor is picking up reflections from mirror or another object.	Decrease the range or eliminate cause of reflection.

* "Security Mode": If the sensor is covered for more than 90 sec. the shower will automatically shut off water flow. To return to normal operation remove any blockage.

STERN

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