

1 PACK CONTENTS

Electroflo Urinal Sensor
Electroflo Urinal Sensor B



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1. 1 x Battery Box (Battery version only)
2. 1 x Solenoid valve kit, including filter
3. 1 x Sensor and attachments
4. 1 x Mains adaptor (not shown)

2 PACK CONTENTS

Power supply:	Externally mounted 9V battery or 9V transformer.
Recommended water pressure:	0.3 - 8 bar (4 - 116 PSI) with water pressure of more than 8 bar, use a pressure reducing valve for reduction.
Preset sensor range:	600mm Adjustable
Minimum sensor range:	300mm
Maximum sensor range:	800mm
24 hour automatic flush:	Hygiene flush every 24 hours when not used.
Preset Flushing time:	6 seconds. Adjustable.

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2 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 model variations

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

If any parts are missing, do not attempt to install your Electroflo Urinal until you obtain the missing parts.

Warnings

Do not install the system facing a mirror or any other electronic system operated by an infra-red sensor.

To prevent reflection problems, it is recommended to keep a minimum distance of 1.5 metres between the sensor and any other objects.

Preparation for installation

Flush water supply lines thoroughly before installing the flush valve. Do not allow dirt, PTFE tape or metal particles to enter it.

Shut off water supply.

Important - Plumbing must be installed in accordance with applicable codes and regulations.

A backflow prevention device which meets the requirements of Fluid Category 5 must be fitted upstream of the solenoid valve.

Installation of the mains adaptor must be carried out and checked by a qualified electrician. During installation do not expose the electronics to fluids, dust, dirt or damp.

9 TROUBLE SHOOTING

Valve does not flush

Check the batteries and replace if necessary. Ensure sensor is not picking up reflections from a mirror or any other object.

Check the sensor range - If range is too short or too long, increase or decrease the range.

Check all connections and ensure power supply is correctly connected.

Check the solenoid valve. If debris or scale are present, unscrew the solenoid valve, pull out the plunger and the spring and clean them. Use scale remover if necessary.

When replacing the spring, make sure that it is in the vertical position. Check the diaphragm. If necessary, clean the orifice or replace it.

Check the water supply pressure. It must be 0.3 - 8 bar (7 - 116 PSI). For water pressures above 8 bar, use a pressure reducing valve.

Valve does not shut off

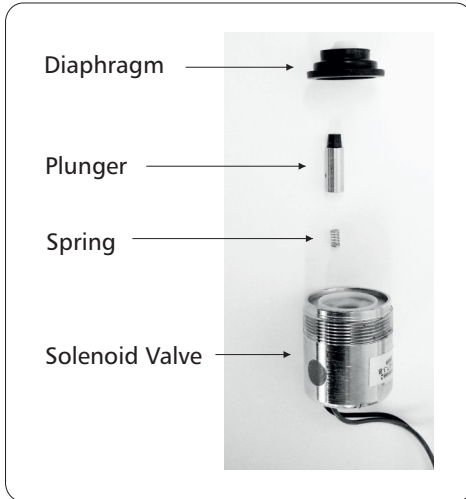
Check the diaphragm. If necessary, clean the orifice or replace it.

Check the solenoid valve. If debris or scale are present, unscrew the solenoid valve, pull out the plunger and the spring and clean them. Use scale remover if necessary.

When replacing the spring, make sure that it is in the vertical position.

Ensure sensor is not picking up reflections from a mirror or any other object. Decrease sensor range or remove objects if necessary. Ensure sensor is not dirty or covered.

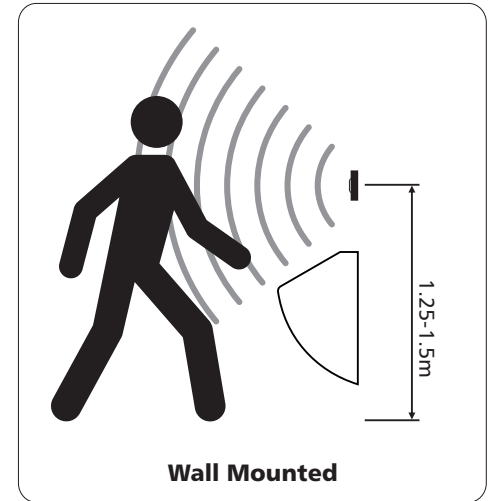
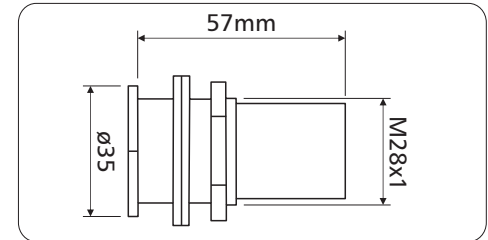
Check the batteries and replace if necessary. Check all connections and ensure power supply is correctly connected.



3 INSTALLING THE SENSOR

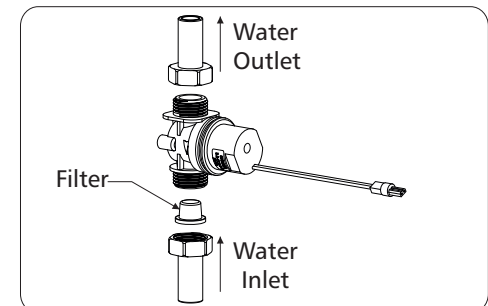
Installation

1. First drill a hole $\varnothing 30\text{mm}$ in position between 1.25-1.5m from the ground.
2. Insert the sensor electronic unit through the wall or other surface within the 1.25 - 1.5m.
3. Fix the base behind the wall with the hexagonal nut and the washer.



4 CONNECTING THE WATER SUPPLY

1. Make sure the filters are located in the correct orientation between the solenoid housing and the water inlet.
2. Fit the pipe from the urinal to the solenoid valve housing.
3. Fit the water supply inlet to the filter adapter on the solenoid housing.



5 INSTALLATION CONTINUED

Connecting the Power Source

1. Connect the black cable coming from the sensor to the solenoid valve connector.
2. Connect the red cable coming from the sensor to the power source connector (battery box or transformer).
3. Turn on the mains water supply. Check for leaks.

6 RANGE ADJUSTMENT WITH REMOTE CONTROL



Temporary Off Function

Turns off the sensor for 1 minute to allow cleaning. To cancel temporary off, press the button again



Delay IN Time

Flow time once user operates. If required press the **IN** button until red light blinks and use the +/- keys to adjust delay time



Decrease Button

Decreases setting by an increment



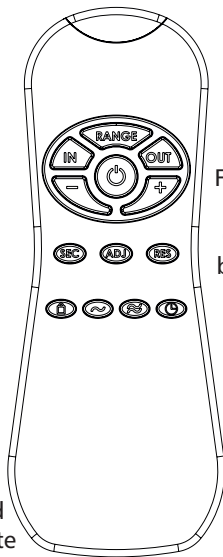
Adjust Button

Automatically adjusts sensor range. Once set the solenoid valve will open and close for 1 second to indicate ideal range has been set



24 Hour Hygiene Flush

To maximise hygiene the tap is preset to cycle every 24 hours. To toggle press the button and use the +/- keys to turn on/off



Reset Button

Restores factory default settings. If required press and hold **RES** button and press + button once



Delay OUT Time

Flow time after user moves away. If required press the **OUT** button until red light blinks and use the +/- keys to adjust delay time



Increase Button

Increases setting by an increment



Security Button

Prevents continuous running of water. By default the security time is 90 seconds. To adjust press the **SEC** button and use +/- keys to adjust



Detection Range

Only if necessary press the button and use the +/- keys to adjust detection range



7 BATTERY REPLACEMENT INSTRUCTIONS

Battery models only

When the battery weakens, the red indicator light will blink at a constant rate when the user stands within the sensor range. The battery must be replaced within 2 weeks.

To replace the battery

1. Carefully open the battery box.
2. Remove the old battery.
3. Replace with new 9V battery (lithium battery is recommended).
4. Close the box

8 MAINTENANCE

Filter cleaning instructions

This flush is provided with a stainless steel filter to prevent foreign particles from entering the lines. If the water flow has decreased, this can be because the filter is clogged. The filter can be cleaned as follows:

1. Turn off the water supply.
2. Disconnect the water inlet pipe.
3. Remove the filter and wash under running water.
4. Reassemble components.
5. Turn on the 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.

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

IMPORTANT: For detailed instructions on the remote control please refer to remote control instructions. Please note the remote may vary from images. For details on remotes, contact sales on **0121 530 7000** or email **sales@thomasdudley.co.uk**