

**OVERVIEW**

This electronic dual-flush toilet conversion system fits most standard Flush Handle toilets and is FULLY AUTOMATIC. Upon toilet use, a computerized human-presence Sensor measures the "time-at-the-toilet" and then activates a Flush Motor inside the tank which lifts the flapper valve for either a half-flush (#1) or full-flush (#2) as required. The presence detection is self-calibrating and the half and full flush cycles are programmable with a simple Magnetic Wand and Flapper Chain (both included). The Sensor and Flush Motor installation and setup are quick and easy with minimal tools, NO TANK REMOVAL or plumbing skills required. Both Sensor and Flush Motor are moisture sealed and run on 6 standard AA alkaline batteries (included) for up to 1 year or 10,000 worry-free flushes. Saves water and improves sanitation - perfect for children, the elderly, public toilets or any high-use bathroom area where flushing delinquency is a problem.

**PREPARATION**

Before attempting installation, please read these Quick Start Instructions thoroughly, familiarize yourself with your specific toilet configuration and gather any required tools. Ensure that the Sensor can be mounted just above the toilet tank with no frontal obstructions within a range of 4 ½ feet and that the Flush Motor will fit down inside the toilet tank roughly above the flapper valve without interference. The battery compartment inside the Sensor requires a small Philips screwdriver to open since the cover is tightly sealed against moisture with a silicon gasket. The Sensor unit itself can be mounted with either its attached double-sided tape or by using the included wall fasteners or other similar fasteners as desired, so a drill and appropriate bit may be required as well.

**COMPONENTS**

- Detection Eye
- Sensor
- Magnetic Target
- LED Indicators
- Flush Cycle
- Setup Mode
- Presence Detection
- Low Batteries

**ACCESSORIES**

- Bead Chain (6 inches)
- Magnetic Wand
- Motor Mount
- Mount Collars (2 sizes - optional)
- AA Batteries (6)
- Wall Mount Set (optional)

**INSTALLATION (over)**

Thank You for choosing Water Saver Products !!!
Mount the Sensor using the attached foam tape on the back plate or remove the back plate by sliding downward and mount using the appropriate wall anchors, then place the Sensor back on the wall.

Insert the Sensor on the wall behind the tank such that it is high enough to “see” above any obstacles, yet low enough to detect a person sitting on the toilet.

**DO NOT INSTALL BATTERIES YET!**

Tape Mount

Screw Mount

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Position the flush motor (D) so that the lever arm is over top of the flapper valve area but does not interfere with the existing flush handle assembly.

Now slide the motor down onto the motor mount tab (A) using the closest motor mount slot.

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Unclip and fit the motor mount (A) onto the bowl fill tube (C) using one of the mount collars (B) if required.

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Remove the Sensor from its wall plate by sliding upward and off, then remove the battery cover with a small Phillips screwdriver. Install the 6 AA batteries and immediately hold the unit back against its mount while standing to the side (out of the detection beam) until the Presence Detection LED stops flashing.

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Now check that the silicone gasket inside the battery compartment is in position, replace the battery cover and then reinstall the Sensor unit back onto its wall mount.

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Stand in front of the Sensor until the Detection LED flashes for about 15 secs and then step aside to activate a test Half Flush. Observe the mechanics and alignment of the Flush Motor as it cycles and make any further adjustments.

Also ensure that the Flush Handle can still be operated normally without interference so that the toilet can still be flushed normally as before.

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**NOTE:** Anytime the batteries are replaced or the Sensor range needs to be recalibrated, simply repeat steps 5 & 6.

To prevent false detection and random flushes, keep any obstacles or mirrored surfaces out of the Detection Beam.

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Sensor</td>
<td>4.75Lx2.75Wx2.55D inches (120x70x65 mm)</td>
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<tr>
<td>Detection Range</td>
<td>0 - 31.5 +/- 4.0 inches (80 +/- 10 cm)</td>
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<tr>
<td>Detection Clearance</td>
<td>51 inches (130 cm)</td>
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<tr>
<td>Flush Motor</td>
<td>Servo Jackscrew (stall protected)</td>
</tr>
<tr>
<td>Half Flush Timer</td>
<td>10 - 60 secs</td>
</tr>
<tr>
<td>Full Flush Timer</td>
<td>&gt; 60 secs</td>
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<tr>
<td>Maximum Flush Cycle</td>
<td>10 secs</td>
</tr>
<tr>
<td>Autoflush</td>
<td>1 per week</td>
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<tr>
<td>Power</td>
<td>6 AA Batteries</td>
</tr>
<tr>
<td>Type</td>
<td>Alkaline, Lithium, Rechargeable Lithium</td>
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<tr>
<td>Protection</td>
<td>Moisture Sealed</td>
</tr>
<tr>
<td>Life</td>
<td>1 Year or 10,000 flushes (approximate)</td>
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**FLAPPER VALVE SHOULD NOT FULLY OPEN ON EITHER CYCLE**

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**INSTALLATION AND SETUP COMPLETE!**