

# HYDROTEK AUTOMATIC FLUSH VALVE TROUBLE SHOOTING GUIDE

## (Battery Powered)

Normal Operation: When new batteries are inserted or RESET Button is pushed, the lights on the Printed Circuit Board (PCB) will blink in the following sequence: Red, Red (with solenoid clicking), Green, Red and Red. When the user enters the sensor beams effective range, the red light will flash one time. If the user stays in the beam range for more than 4 seconds and steps away, the valve will activate (1) flush cycle. The flush valve unit will automatically reset for the next user. When the manual OVERRIDE Button is pushed, the flushing mechanism will be activated without impacting the mode of automatic operation. Red indicator light flashes when batteries are low. **Please note:** Always push the RESET Button BEFORE diagnosing any problem and AFTER taking a corrective action.

<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>TO DIAGNOSE</b>	<b>REMEDY</b>
<b>Flush Valve will not flush:</b>	Water not turned on.	Check water supply	Turn water on.
"	Power supply failure	Check batteries, polarity of batteries and connections	Replace batteries, re-connect. Push RESET Button.
"	Batteries are weak.	Red indicator light flashes, no click.	Replace batteries and push RESET Button.
"	Sensor distance is too short	Stand in front of Flush Valve to find focal point of sensor beam.	To adjust sensor distance out, turn adjustment clockwise. Push RESET Button.
"	Electronic PCB is defective.	Change batteries or RESET the unit. No light, no action.	Replace PCB.
"	Sensor eyes are defective.	Re-insert batteries and place hands in front of sensor eyes. Red indicator light on Flush Valve does not blink.	Replace sensor eyes and cable.
"	Solenoid Valve is clogged.	Solenoid is clicking but no water.	Clean solenoid and blow free all by-pass holes. Replace Control Disc. Push RESET Button.
"	User time in sensor range is too short	Stand in front of Flush Valve. Red indicator light does (1) flash.	Stay in sensor for more than 4 seconds, then move away.
"	Solenoid Coil is defective.	Insert new batteries or RESET the unit. Light blinks but no solenoid clicking.	Replace solecoid coil. Push RESET Button.

**Flush Valve will not shut off:** Solenoid valve is normally closed. Turn off water and activate flush valve. If there is a clicking sound, the solenoid is dirty. If there is no clicking sound, then replace solenoid valve. Other factors could be incorrect Sensor Distance Adjustment (too long); Electronic PCB is defective; Manual Push Button may be sticking; If water is leaking through, the solenoid valve may need a rebuild kit. Follow the same procedures as above for remedies.

**IMPORTANT:** Periodical maintenance is required for smooth and trouble-free operation of this faucet.

For more detailed procedures for remedies, call Hydrotek at 800-922-9883.