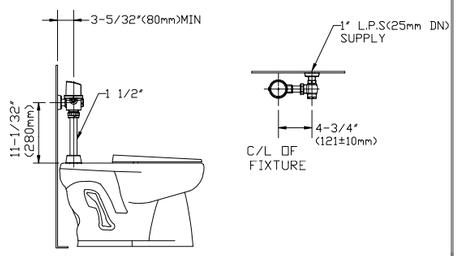
761209 Toilet Flush
Installation, Maintenance&Operation Instructions

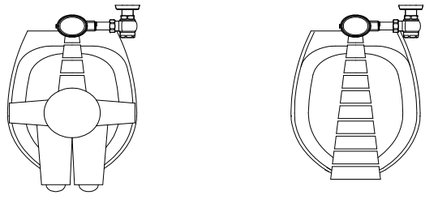
■ Stand Installation



■ Specification

Product	Toilet Flush
Material	Chrome plated brass casting
Power Supply	(4) AA Alkaline Batteries (included)
Power consumption	3W
Sensing distance	1-9/16"～3- 5/32" (40 - 80cm)
Different Flushing Volume	1.28 / 1.6 / 2.4 GPF (adjustable)
Min. Detection Time	5 seconds
Flush Delay	3 seconds
Applicable water pressure	15 PSI ~ 100 PSI (1-7 Kgf/ cm^2)
Water outlet Pipe bore	1 1/2"
Water inlet pipe diameter	PT 1"
Applicable room temperature	39°F~ 113°F (4℃-45℃)
Applicable water temperature	39°F~ 113°F (4℃-45℃)

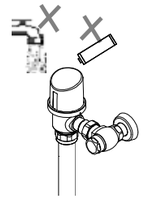
■ How to use



1. A continuous invisible light beam is emitted from the Toilet Flush sensor. As the user enters the beam's effective range (1-9/16" ～3- 5/32") for more than 5 seconds, the output circuit continues in a "hold" mode for as long as the user remains within the effective range of the sensor.

2. When the user steps away from the sensors , the circuit initiates a flushing cycle to flushes the fixture. The circuit will then automatically resets for next cycle.

■ Cautions

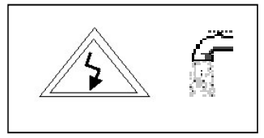


1. keep the display panel clean at all times to prevent sensor function failure.

2. Do not place objects on the casing.

3.Do not directly spray water on or use abrasive/chemicals when cleaning.Doing so may result in short-circuit or discoloring of chrome plating.Clean using a damp cloth.

■ Installation and cautions

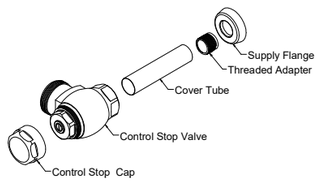


1. All plumbing to be installed by certified personnel and must be in accordance with applicable codes and regulation.

2. Flush all water lines prior to installation.

3. Make sure water supply is turned off before inatallation.

■ Installation and cautions

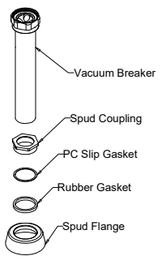


2. Install water stop valve

a. Solder threaded adapter onto water supply inlet pipe coming from the wall.(if needed)

b. Insert the supply flange and cover tube over the adapter.Tighten the set screw.

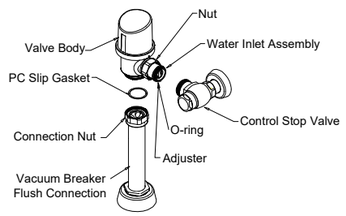
c. Attach the control stop cap to the control stop valve assembly.Then attach the valve cap to the water stop assembly as shown in above diagram.



3. Install vacuum breaker flush connection

a. Insert spud flange, PC slip gasket, rubber gasket and spud coupling through vacuum breaker tube.

b. Insert vacuum breaker tube into water inlet.



4. Install flush valve body

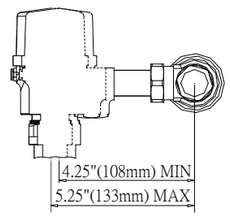
a. Wet O-ring seal with water to lubricate.

b. Insert water inlet assembly to water stop assembly.

c. Join nut to water stop assembly.

d. Align flush valve body with vacuum breaker flush connection.

e. Tighten nut with hand.

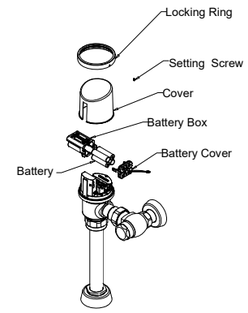


5. Adjust distance to wall

a. Regular distance between water stop valve and water inlet main unit is 4 3/4" (121mm).

b. Range of adjustable distance from nominal extend or shorten with 1/2"(12.5mm).

c. Rotate the threaded Adapter sleeve onto the Tailpiece to position the Stop Coupling Nut.



6. Install Batteries & Test Operation

a.Loosen the screw with a Hexagonal wrench to remove the Locking Ring .

b.Remove the battery cover, install (4) Alkaline AA size batteries as illustrated.
Turn on the water supply and begin the Operation Test.

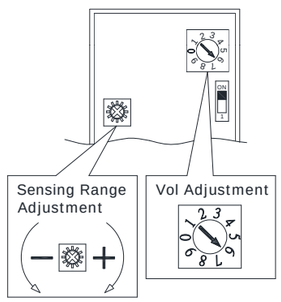
c.If it is required to adjust sensing range, refer to Adjustment Instructions (1).
If it is required to adjust flushing time, refer to Adjustment Instructions (2).

d.Reinstall the Cover and Locking Ring in reverse order after running the test successfully.

e.This completes the Operation Test.

*** It's normal to see continuous flushing while batteries are being installed; it will stop once the batteries are completely installed.**

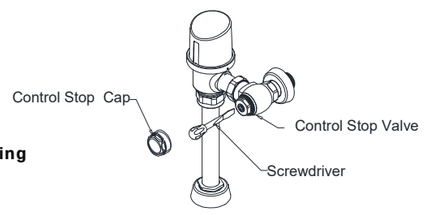
■ Adjustment

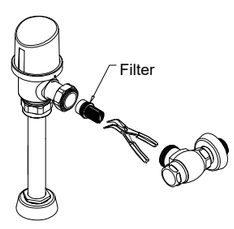


SW	Flush Volume	
0	Dual Flush (1.1GPF/1.6GPF)	
1	4.8 LPF	1.28 GPF
2	4.8 LPF	1.28 GPF
3	4.8 LPF	1.28 GPF
4	6.0 LPF	1.6 GPF
5	6.0 LPF	1.6 GPF
6	6.0 LPF	1.6 GPF
7	9.0 LPF	2.4 GPF
8	9.0 LPF	2.4 GPF
9	9.0 LPF	2.4 GPF

← **Factory setting**

※ If the detection time is longer than one minute, the output circuit activates a full flush(1.6 GPF), otherwise activates a partial flush(1.1 GPF).





(1) Sensor range adjustment

Use a flat-head screwdriver to adjust the variable resistor in the hole. Turn counter-clockwise to shorten sensor distance, or clockwise to lengthen it. The factory default setting is 23.6". DO NOT make adjustment unless necessary.

(2) Flush time adjustment
(Flush volume adjustment)

Since the water pressures and toilet models differ in different locations, please refer to the above chart to adjust to the appropriate flush time to receive the best result.

(3) Flush volume adjustment

a. Use a flat head screwdriver to turn Control Stop Cap counter clockwise to increase the volume.

b. Turn clockwise to decrease the volume.

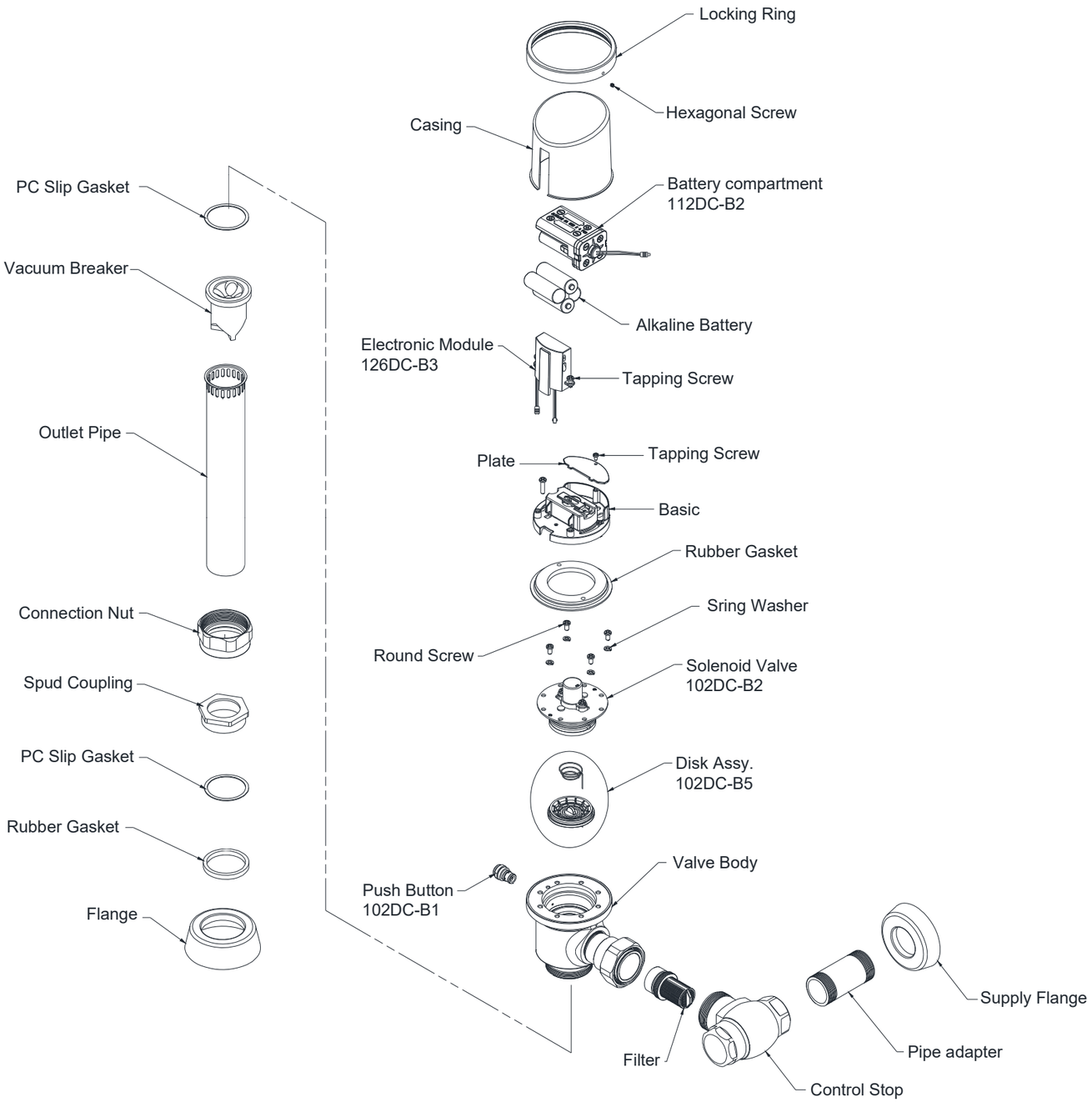
(4) Clean filter screen

Poor water quality will result in obstructed and reduced flow. This can be prevented by cleaning the filter regularly. To do so, turn off water supply (you can use a flat head screwdriver to turn the flow adjust shaft clockwise). Remove the filter using a set of pliers,as illustrated above. Clean the fifter and reinstall.

■ Troubleshooting

Trouble	Possible cause	Troubleshooting
Red light flashing	1. Weak battery	Replace battery (4) AA Alkaline
Not flushing (Red light does not appear during sensing process)	1. Dirty sensor window	Wipe sensor window with tissue paper
	2. Sensing distance too long	Shorten sensing distance
	3. Control circuit failure	Replace control circuit
Not flushing (Red light flashes on and off during sensing process)	1. Water faucet not turned on	Check water supply
	2. Solenoid terminal loosened	Re-connect solenoid terminal
	3. Solenoid failure	Replace solenoid
	4. Control circuit failure	Replace control circuit
Water keeps running	1. Solenoid diaphragm obstructed	Clean solenoid diaphragm
	2. Manual knob defective	Replace manual knob
	3. Control circuit failure	Replace control circuit
Water flow too weak	1. Water inflow too weak	Adjust valve to increase water flow
	2. Filter valve obstructed	Clean filter valve

■ Parts List


Locking Ring
Hexagonal Screw
Casing
Battery compartment
112DC-B2
PC Slip Gasket
Vacuum Breaker
Alkaline Battery
Electronic Module
126DC-B3
Tapping Screw
Outlet Pipe
Plate
Tapping Screw
Basic
Rubber Gasket
Connection Nut
Sring Washer
Round Screw
Solenoid Valve
102DC-B2
Spud Coupling
PC Slip Gasket
Disk Assy.
102DC-B5
Rubber Gasket
Valve Body
Push Button
102DC-B1
Flange
Supply Flange
Pipe adapter
Filter
Control Stop