

► **Code Number**

3250400

► **Description**

Exposed, Battery Powered, Sensor Operated G2® Model Water Closet Flushometer for floor mounted or wall hung top spud bowls.

► **Flush Cycle**

☐ Model 8111-1.6 Low Consumption (1.6 gpf/6.0 Lpf)

► **Specifications**

Quiet, Exposed, Diaphragm Type, Closet Flushometer for either left or right hand supply with the following features:

- Spud Coupling, Wall and Spud Flanges
- Spud Coupling and Flange for 1½" Top Spud
- Flush Accuracy Controlled by CID Technology
- Sweat Solder Adapter with Cover Tube and Cast Set Screw Wall Flange
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Initial Set-up Range Indicator Light (first 10 minutes)
- User friendly three (3) second Flush Delay
- "Low" Flashing LED
- ADA Compliant Battery Powered Infrared Sensor for automatic "No Hands" operation
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop with free spinning, vandal resistant Stop Cap with Adjustable Tailpiece
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- Infrared Sensor Range Adjustment Screw
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- Engineered Metal Cover with replaceable Lens Window
- Courtesy Flush® Override Button
- Four (4) Size AA Lithium Batteries factory installed

Valve Body, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037. Installation conforms to ADA requirements.

► **Control Circuit**

- Solid State
- 6 VAC/7.6 VDC Input
- 8 Second Arming Delay
- 3 Second Flush Delay

► **Sensor Range**

Nominal 22" - 42" (559 mm -1067 mm), Adjustable ± 8" (203 mm)

► **Sensor Type**

Active Infrared

► **Indicator Lights**



► **Automatic Operation**

Sloan G2 Optima Plus Flushometers activate via multi-lobular sensor detection to provide the ultimate in sanitary protection and automatic operation. A battery powered infrared sensor sets the flushing mechanism after the user is detected and Completes the flush when the user steps away.

► **Functional & Hygienic**

Touchless, sensor operation eliminates the need for user contact to help control the spread of infectious diseases. The G2 Optima Plus® Flushometer is provided with an Override Button to allow a "courtesy flush" for individual user comfort.

► **Economical**

Sloan installed batteries speed installation and provide years of metered flushing to control the use of water and energy. Batteries can be changed without turning off the water.

► **Compliance & Certifications**



This space for Architect/Engineer Approval

Range Adjustment

► **Operating Pressure**

15 - 100 psi (104 - 689 kPa)

► **Battery Type**

Four (4) Size AA Lithium Batteries factory installed

► **Battery Life**

3 Years @ 4,000 Flushes/Month

► **OPERATION**



1. A continuous, invisible light beam is emitted from the OPTIMA Plus Sensor.

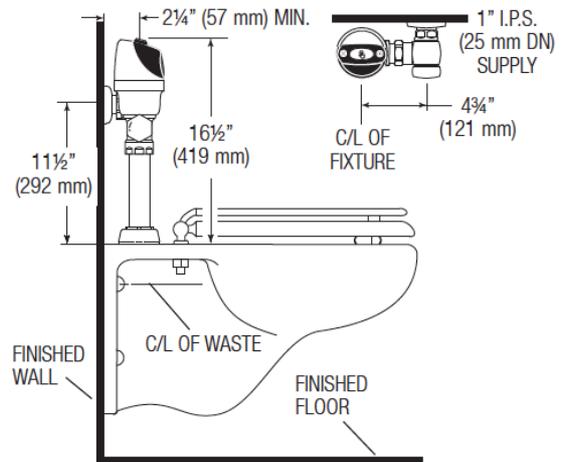


2. As the user enters the beam's effective range (22" to 42") the beam is reflected into the OPTIMA Plus Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.



3. When the user steps away from the OPTIMA Plus® Sensor, the circuit waits 3 seconds (to prevent false flushing) then initiates an electrical signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.

► **ROUGH-IN**



Model 8111

Typical Water Closet Installation