

► **Code Number**

3790084

► **Description**

Exposed, Battery Powered, Sensor Activated, Sloan® Optima® Plus Model Water Closet Flushometer for floor mounted or wall hung top spud bowls.

► **Flush Cycle**

1.28 gpf/4.8 Lpf

► **SPECIFICATIONS**

**Specifications**

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

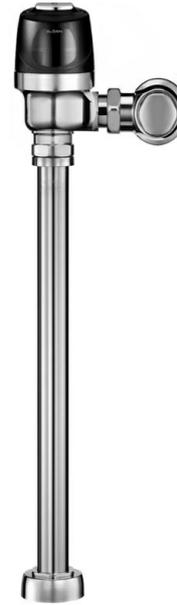
- High Chloramine Resistant PERMEX® Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action™
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop with Vandal Resistant Stop Cap
- Vacuum Breaker with Flush Connection
- Spud Coupling and Spud Flange for 1½" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- Low Consumption flush accuracy
- Initial Set-up Range Indicator Light (first 10 minutes)
- User friendly three (3) second Flush Delay
- "Low Battery" Flashing LED
- No External Volume Adjustment to Ensure Water Conservation
- Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- Chrome Plated Metal Handle Cap
- Engineered Plastic Cover with replaceable Lens Window
- ADA Compliant Battery Powered Infrared Sensor for automatic "Hands-free" operation
- Courtesy Flush® Override Button

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

- Four (4) Size AAA Batteries included

**Accessories (Sold Separately)**

See Accessories Section and OPTIMA® Accessories Section of the Sloan catalog for details on these and other OPTIMA® Flushometer variations.



► **FEATURES**

**Automatic Operation**

Sloan 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.

**Hygienic**

User makes no physical contact with the Flushometer surface except to initiate the Override Button when required. Helps control the spread of infectious diseases.

**Economical**

Automatic operation provides water usage savings over other flushing devices. Reduces maintenance and operation costs.

► **Compliance & Certifications**



This space for Architect/Engineer Approval

## ► ELECTRICAL SPECIFICATIONS

### Control Circuit

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

### Sensor Type

- Active Infrared

### Sensor Range

- Nominal 22" - 42" (559 mm - 1067 mm) Self-adaptive Window: ± 10" (254 mm)

### Battery Life

- 6 Years @ 4,000 flushes/month

### Battery Type

- (4) AA Alkaline

### Indicator Lights

- Range Adjustment

### Operating Pressure

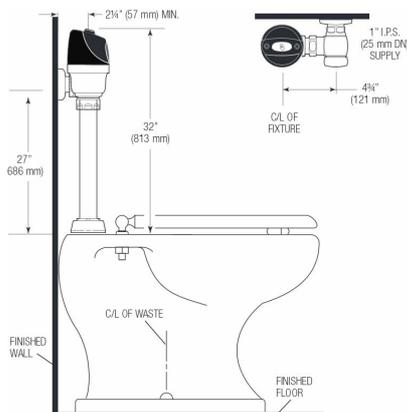
- 15 - 100 psi (104 - 689 kPa)

### Sentinel Flush

- Automatic flush once every 72 hours after the last flush. Product shipped from factory with feature turned off. Consult factory to activate.

## ► ROUGH-IN

For new installations, Sloan strongly recommends the use of our Model 8111 which has a shorter installation height.



The Model 8116 valve is designed for installations where the water supply is roughed-in 27" (686 mm) above the top of the water closet.

When installing the Optimas plus in a handicap stall: Per the ADA Guidelines (section 604.9.4) it is recommended that the grab bars be split or shifted to the wide side of the stall.

## ► Disclaimer

All information contained within this document subject to change without notice.

## ► 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.

