

► **Code Number**

3370448

► **Flush Cycle**

1.28 gpf/4.8 Lpf

► **Description**

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

► **Specifications**

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

- Sweat Solder Adapter with Cover Tube and Cast Set Screw Wall Flange
- Handle Packing, Main Seat, Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
- Initial Set-up Range Indicator Light (first 10 minutes)
- User friendly three (3) second Flush Delay
- "Low Battery" Flashing LED
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- 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
- ADA Compliant Battery Powered Infrared Sensor for automatic "Hands-free" operation
- Courtesy Flush® Override Button
- Flush accuracy controlled by CID® technology
- Spud Coupling and Flange for 1 1/2" Top Spud
- Four (4) Size AA Batteries included
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop with Free Spinning Vandal Resistant Stop Cap

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.



► **Manual Operation**

Sloan ECOS® electronic urinal flushometers are available without an override button to eliminate unnecessary casual activation. The Sloan ECOS® flushometers are offered with an optional Override Button to allow a "Courtesy Flush®" for individual user comfort.

► **Automatic Operation**

Sloan ECOS® Flushometers can also be activated via multi-lobular infrared sensor. By detecting user presence and duration, the Sloan ECOS® Smart Sense Technology™ will determine the proper flush volume for unequalled water efficiency.

► **Functional & Hygienic**

Touchless, sensor operation eliminates the need for user contact to help control the spread of infectious diseases. The 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

► ELECTRICAL SPECIFICATIONS

Control Circuit

Solid State

6 VDC Input

8 Second Arming Delay

3 Second Flush Delay

Optional Sentinel Flush

Once Every 72 Hours After the Last Flush. Product shipped from factory with feature turned off. Consult factory to activate.

Sensor Type

Active Infrared

Sensor Range

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

Battery Type

(4) AA Alkaline

Battery Life

6 Years @ 4,000 flushes/month

Indicator Lights

Range Adjustment

Operating Pressure

15 - 100 psi (104 - 689 kPa)

Sentinel Flush

Automatic flush once every 24 hours after the last flush. Product shipped from factory with feature turned off. Consult factory to activate.

► ROUGH-IN

Typical Water Closet Installation

When installing the ECOS 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.

► 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.

