

► **Code Number**

20021101

► **SPECIFICATIONS**

Specifications

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

Flushometer Specification

Quiet, diaphragm type, chrome plated closet Flushometer and vitreous china water closet with the following features:

- Flush accuracy controlled by CID® technology
- Initial Set-up Range Indicator Light (first 10 minutes)
- Spud coupling and flange for 1½" top spud
- Four (4) Size AA Batteries factory installed
- Chrome plated Infrared Sensor Housing
- Engineered Metal Cover with replaceable Lens Window
- Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- If the user is present for less than one minute and leaves the sensing zone or chooses the small override button, a reduced flush initiates (1.1 gpf/ 4.2 Lpf) eliminating liquid and paper waste and saving water
- If the user is present for greater than one minute and leaves the zone or chooses the large override button, the full flush initiates (1.6 gpf/6.0 Lpf) eliminating solid waste and paper
- ADA Compliant ECOS® Battery Powered Infrared Sensor for automatic "No Hands" operation
- Patented D598,976
- Infrared Sensor with Multiple-focused, Lobular Sensing fields for high and low target detection
- Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037/ ASME A112.19.2/CSA B45.1
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange with Set Screw
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance

► **FEATURES**

Automatic

- The Flushometer operates by means of an infrared sensor that adapts to its surroundings. Once the user enters the sensor's effective range and then steps away, the Flushometer Solenoid initiates the flushing cycle to flush the fixture.

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 . 24-Hour Sentinel Flush keeps fixture fresh during periods of nonuse.

Practical

- Solid state electronic circuitry assures years of dependable, trouble-free operation. The operational components of the Flushometer are identical to a handle activated Sloan® Flushometer, proven by over 100 years of experience.



► **SPECIFICATIONS (continued)**

Fixture Specifications

- Mounting hardware, carrier and toilet seat not included
- Recommended seats:
- Bemis - 1955CT/1955SSCT & 2155CT/2155SSCT
- Church - 295CT/295SSCT & 2155CT/2155SSCT
- Closet bolts and caps included
- 1½" IP.S. top spud inlet
- Siphon Jet Flush & Integral flushing rim
- Complies to the applicable sections of: ANSI/ASME A112.19.2 and CSA B45.1
- 2 1/8" fully glazed trapway diameter
- 100% factory flush tested
- Floor mounted, vitreous china, elongated bowl

Manual

- Sloan ECOS® Electronic Dual Flush Flushometers include a split-button design for manual use. The reduced flush (1.1 gpf/4.2 Lpf) is controlled by the small button and the full flush is controlled by the large button. Instructional graphics show a reduced flush is for liquid waste and a full flush is for solid waste.

Economical

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

► ELECTRICAL SPECIFICATIONS

Control Circuit

Solid State

6 VDC Input

8 Second Arming Delay

3 Second Flush Delay

Sensor Type

Active Infrared

Indicator Lights

Range Adjustment

Battery Type

(4) AA Alkaline

Battery Life

6 Years @ 4,000 flushes/month

Sensor Range

Adjustable ± 8" (203 mm)

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

Sentinel Flush

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

► Plumbing System Requirements

Maximum Static Pressure: 80 PSI

Minimum Flow Rate: 25 GPM

Minimum Flowing Pressure: 25 PSI

► OPERATION

1. A continuous, invisible light beam is emitted from the Sloan ECOS® Flush Sensor.



2. As the user enters the beam's effective range, 22 to 42 inches (559 mm to 1067 mm), the beam is reflected into the Scanner Window to activate the Output 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. If the user stays longer than 65 seconds, a full flush will automatically initiate when the user leaves.



3. Once a user is detected, if the user leaves in 65 seconds or less, a reduced flush will automatically initiate. The circuit automatically resets and is ready for the next user.

