

► **Code Number**

3910059

► **SPECIFICATIONS**

Description

Exposed, AC Powered, Sensor Activated, Sloan® Optima® SMOOTH™ Water Closet Flushometer for floor mounted or wall hung top spud bowls.

Flush Cycle

1.28 gpf/4.8 Lpf

Specifications

- Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer with the following features:
- FLUSHOMETER
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Spud Coupling and Spud Flange for 1½" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- High back pressure Vacuum Breaker with flush connection
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop with Free Spinning Vandal Resistant Stop Cap
- Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine Resistance
- Optima SMOOTH™ Unit
- "User in View" Flashing LED
- Sensor with Automatic Range Adjustment
- Mechanical Manual Override Flush Handle
- 25 to 80 psi Operating Range
- Vandal Resistant 1/8" Ball-Type Hex Key included
- ADA Compliant OPTIMA® SMOOTH™ AC Powered Infrared Sensor for automatic "Hands-free" operation
- ADA Compliant Metal Oscillating Non-Hold-Open Handle
- Flush accuracy controlled by CID® technology
- Valve Body, Cover, 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 and ANSI/ASME 112.19.2.
- Chrome Plated Infrared Sensor Housing

Accessories (specify separately)

- EL-386 Plug-In Adaptor (120 VAC/6 VAC, 3 VA) – will operate 1 unit
- EL-451 Box Mount Transformer (120 VAC/6 VAC, 25 VA) – will operate up to 6 units

Fixtures

- Consult factory for matching Sloan brand fixture options.

Transformers

- Sloan Part #EL-451 (Box Mount) 120 VAC, 50/60 Hz Primary 6 VAC, 50/60 Hz Secondary Class II, 25 VA.
- Sloan Part #EL-386 (Plug-in) 120 VAC, 50/60 Hz Primary 6 VAC, 50/60 Hz Secondary Class II, 3 VA.



► **FEATURES**

Hygienic

- The Sloan® Optima® SMOOTH® Flushometer is the next advancement in hygiene. It uses sensor technology to transform manual installations into electronic, hands-free operation. User makes no physical contact with the Flushometer surface except to initiate the Override Handle when required. Helps control the spread of infectious diseases.

Automatic Operation

- Sloan SMOOTH™ equipped Flushometers provide the ultimate in sanitary protection and automatic operation. There is no need for AC hookups or wall alterations. The Flushometer operates by means of a battery powered infrared sensor. Once the user enters the sensor's effective range and then steps away, the SMOOTH® Unit initiates the flushing cycle to flush the fixture. State-of-the-art Technology enables activation of a manual override without "double flushing" occurring as the user departs (locks out sensor for approximately 10 seconds).

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

- 6 VDC Input
- 72 Hour Sentinel Flush
- 8 Second Arming Delay

Indicator Lights

- User in View

Sensor Type

- Active Infrared with Automatic Adjustment

Sensor Range

- Normal Range (recommended for Water Closets) with 2 - 3 second flush delay: 26" - 32" (660 mm - 813 mm)
- Reduced Range (recommended for Urinals) with 1 - 2 second flush delay: 20" - 26" (508 mm - 660 mm)
- Normal Range (recommended for Water Closets) with 1 - 2 second flush delay: 26" - 32" (660 mm - 813 mm)

Operating Pressure

- 25-80 psi (172-552 kPa)

► OPERATION



1. A continuous, invisible light beam is emitted from the SMOOTH® unit's Infrared Sensor.

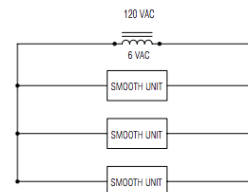


2. When the user enters the sensor's effective range, the Red LED light in the sensor window flashes for eight seconds. After eight seconds of sensing the user, the light will stop flashing and the unit waits for the user to step away before initiating a flush cycle



3. When the user steps away, the unit initiates a flush cycle. The unit then automatically resets and is ready for the next user.

► WIRING DIAGRAM



One EL-386 Transformer serves one (1) OPTIMA Closet/Urinal Flushometer. One EL-451 Transformer serves up to six (6) OPTIMA Closet/Urinal Flushometers. Specify part number and number of transformers required accordingly.

► ROUGH-IN

