

► **Code Number**

20001302

► **Specifications**

- Quiet, exposed, sensor activated diaphragm type, chrome plated HET Flushometer for either left or right hand supply and HET vitreous china fixture with the following features:

► **Flush Cycle**

- 1.28 gpf/4.8 Lpf

► **Flushometer Specification**

- Quiet, diaphragm type, chrome plated closet Flushometer and vitreous china water closet with the following features:
- Flex Tube Dual Filtered Bypass Diaphragm designed for improved life and reduced maintenance
- Non-Hold-Open Handle, Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- Free spinning Vandal Resistant Stop Cap and Adjustable Tailpiece
- 1" I.P.S screwdriver Bak-Chek® angle stop
- Flush accuracy controlled by CID® technology
- High Back Pressure Vacuum Breaker Flush Connection with One-Piece Bottom Hex Coupling Nut, Spud Coupling and Flange for 1-1/2" Top Spud
- 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

► **Fixture Specifications**

- Integral flushing rim
- Compatible with toilet seat models:
- Floor mounted vitreous china
- Toilet seat not included
- Closet bolts and caps included
- Elongated bowl with siphon jet flush
- 1 ½" I.P.S. top spud inlet
- 2 1/8" fully glazed trapway diameter
- Bemis 1955CT & Bemis 2155CT
- 100% factory flush tested
- Water closet compliant to the applicable sections of ASME A112.19.2/CSA B45.1

► **Valve Operating Pressure (Flowing)**

- 25-80 psi (172-552 kPa)

► **Automatic**

- Sloan OPTIMA® SMOOTH™ equipped Flushometers provide the ultimate in sanitary protection and automatic operation. There are no handles to trip or buttons to push. The Flushometer



► **Transformer**

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

► **Transformer Options**

- EL-451 (120 VAC/6 VAC 50/60 Hz (25 VA) – Box Mount (will operate up to 8 units)
- EL-386 (120 VAC/6 VAC 50/60 Hz (3 VA) – Plug-in (will operate 1 unit)

► **OPTIMA® SMOOTH™ Unit**

- ADA compliant OPTIMA® SMOOTH™ AC powered infrared sensor for automatic "Hands-free" operation
- Mechanical Manual Override Flush Handle
- "User in View" flashing LED
- 25 to 80 psi operating range
- Vandal Resistant 1/8" Ball-Type Hex Key included

► **Plumbing System Requirements**

- Maximum Static Pressure: 80 PSI
- Minimum Flow Rate: 25 GPM
- Minimum Flowing Pressure: 25 PSI

► **Compliance & Certifications**



This space for Architect/Engineer Approval

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.

► Economical

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

► Practical

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

► 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.

► Control Circuit

- 6 VDC input, 8 second arming delay, 72 hour Sentinel Flush

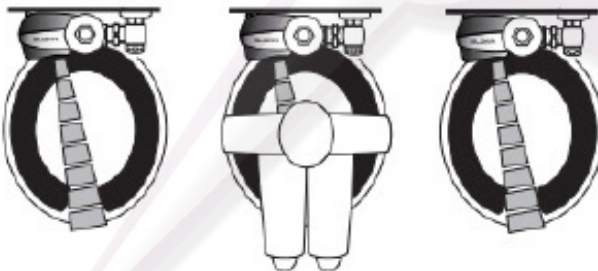
► Sensor Type

- Active Infrared with Automatic Adjustment

► Sensor Range

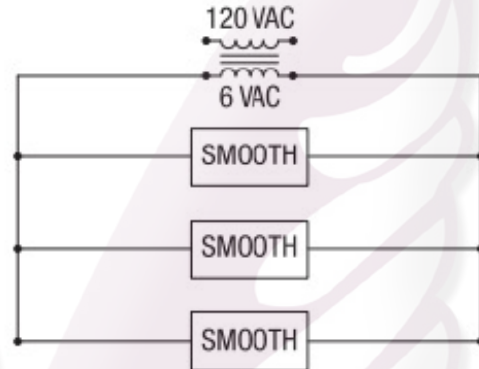
- Normal Range (recommended for Water Closets) with 2 – 3 second flush delay: 26" – 32" (660 mm – 813 mm)
- Normal Range (recommended for Water Closets) with 1 – 2 second flush delay: 26" – 32" (660 mm – 813 mm)
- Reduced Range (recommended for Urinals) with 1 – 2 second flush delay: 20" – 26" (508 mm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

► OPERATION

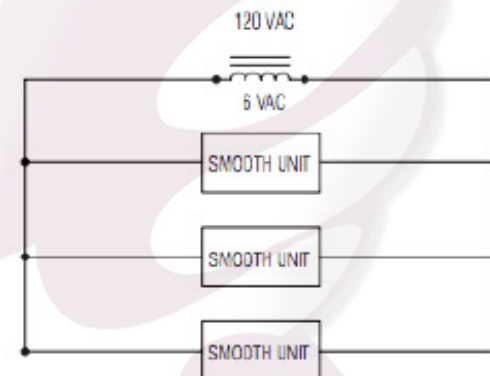


1. A continuous, invisible light beam is emitted from the OPTIMA® SMOOTH™ unit's Infrared Sensor.

► WIRING DIAGRAM

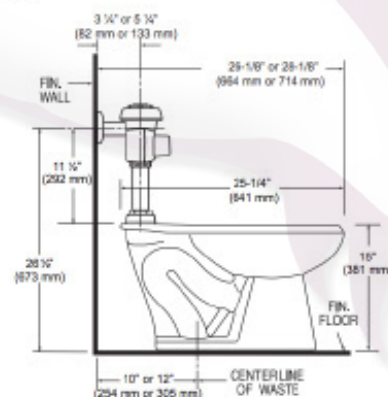


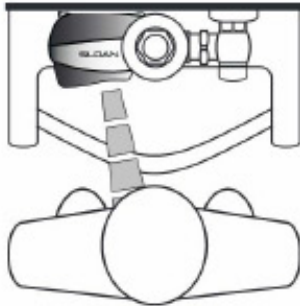
One EL-451 Transformer serves up to eight (8) OPTIMA® Closet/Urinal Flushometers.



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

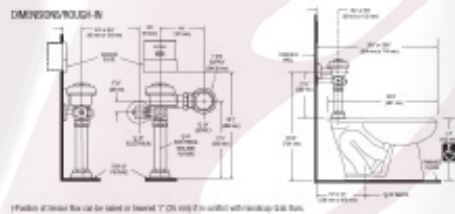
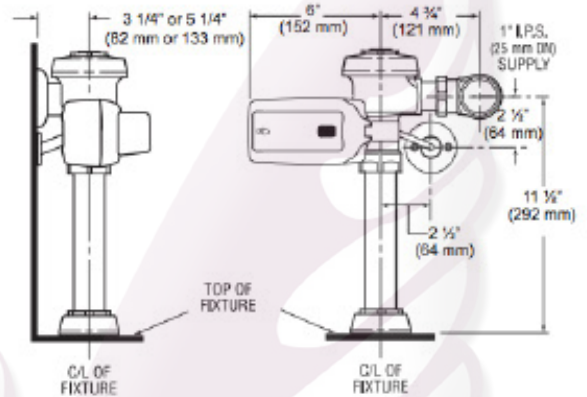




2. When the user enters the sensor's effective range, the Red LED light in the sensor window flashes for eight seconds. After eight seconds of sensing the user, the light will stop flashing and the unit waits for the user to step away before initiating a flush cycle



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



NOTE: All stress data dimensions shown in these drawings are nominal. Dimensions can vary within the tolerances established in the governing ASME, ASTM, ISO, ANSI, etc. standards. Please take this into consideration when planning rough-in and plumbing layouts.