

► **Code Number**

10001304

► **Description**

Complete system with exposed, sensor-activated, Royal® Optima® True Mechanical Override HEU flushometer and vitreous china HEU urinal.

► **Flush Cycle**

0.125 gpf/0.5 Lpf

► **SPECIFICATIONS**

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

Flushometer and OPTIMA® ES-S TMO Unit

- "Walk By" Delay of Eight (8) Seconds Prevents Unintentional Flushes
- Non-Hold-Open Integral Solenoid Operator
- Chrome Plated Wall Cover Plate and Die Cast Wall Flange (for 2-gang Electrical Box) with Vandal Resistant Screws
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Courtesy Flush® Non-Hold-Open True Mechanical Override Button
- Adjustable Tailpiece
- Sweat Solder Adapter with cover Tube and cast Wall Flange with Set Screw
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water conservation
- PERMEX® Synthetic Rubber Diaphragm with Dual-Filtered Fixed Bypass
- Optima® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- User-Friendly Three (3) Second Flush Delay
- 3/4" I.P.S. Screwdriver Bak-Chek® Angle Stop with free Spinning Vandal Resistant Stop Cap
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® Rubber Compound for Chloramine Resistance
- High Back Pressure Vacuum Breaker Flush connection with One-Piece Bottom Hex coupling Nut, Spud coupling and Flange for 3/4" Top Spud
- Flush Accuracy controlled by CID™ Technology

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.

Urinal Specifications

- Wall hung vitreous china
- Washdown flushing action
- All mounting hardware included
- Integral flushing rim
- 100% factory flush tested
- Carrier not included
- Vandal resistant strainer assembly included
- Compliant to the applicable sections of ASME A112.19.2/CSA



► **FEATURES**

Automatic

Sloan's Optima® equipped flushometers provide the ultimate in sanitary protection and automatic operation. There are no handles to trip or buttons to push. 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.

Economical

Automatic operation provides energy savings. Reduces maintenance and operating costs. Designed for quick and easy installation.

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.

► **Compliance & Certifications**

CEC Compliant



CALGreen

This space for Architect/Engineer Approval



GRUPO COMERCIAL
COLIBRÍ
DE MONTERREY

B45.1

- 2" NPT outlet flange
- 3/4" I.P.S. top spud inlet
- Compliant with the Buy American Act when purchased as a combination

► ELECTRICAL SPECIFICATIONS

Control Circuit

Solid State

8 Second Arming Delay

24 Hour Sentinel Flush

24 VAC Input/Output

Sensor Range

Self-adaptive Window $\pm 8"$ (203 mm)

Nominal 15"-30" (381 mm-762 mm), adjustable $\pm 8"$ (203 mm)

Solenoid Operator

24 VAC, 50/60 Hz

Transformer Accessories

EL-154 Transformer (120 VAC/24 VAC 50 VA)

EL-342 Transformer (240 VAC/24 VAC 50 VA)

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

NOTE: All vitreous china dimensions shown in these drawings are nominal and not to scale. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. It is important to consider this when planning rough-in and plumbing layouts.

► OPERATION

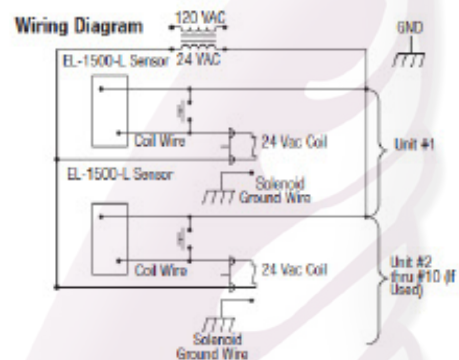


1. A continuous, invisible light beam is emitted from the Optima® sensor.
2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the Optima® scanner window and transformed into a low voltage electrical circuit. Once activated, the output circuit continues in a "hold" mode for as long as the user remains within the effective range of the sensor.
3. When the user steps away from the Optima® sensor, the circuit immediately initiates an electrical "one-time" 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.

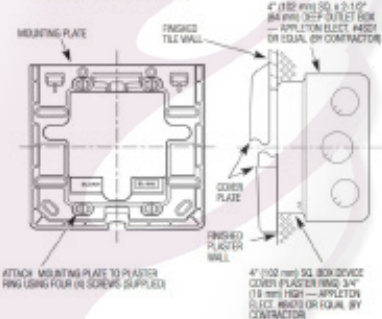
► Note

Plumbing System Requirements

Minimum Flowing Pressure: 25 PSI / Minimum Flow Rate: 18 GPM /
Maximum Fixture Static Pressure: 80 PSI



ELECTRICAL BOX INSTALLATION



Sensor location and positioning is critical.

Failure to properly position the electrical boxes to the plumbing rough-in will result in improper installation and impair product performance. All tradesmen (plumbers, electricians, tile setters, etc.) involved with the installation of this product must coordinate their work to assure proper product installation. Installation template furnished with flushometer.

To ensure a perfect rough-in, Sloan recommends the use of the EL-518-A flushometer electrical box positioning and support kit. Specify and order the EL-518-A kit separately. Consult factory for installation details.

