

► Code Number

10001304

► Description

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

► 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
- 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
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX rubber compound for chloramine resistance

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 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



► 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. Helps control the spread of infectious diseases. The 24-hour Sentinel Flush keeps fixture fresh during periods of non-use.

Economical

Automatic operation and a low flush volume provide water savings over other flushing devices. Reduces maintenance and operation costs.

Practical

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

► Compliance & Certifications



► NOTE

Plumbing System Requirements

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

This space for Architect/Engineer Approval

► ELECTRICAL SPECIFICATIONS

Control Circuit

Solid State

8 Second Arming Delay

24 Hour Sentinel Flush

24 VAC Input/Output

Sensor Range

Nominal 15" – 30" (381 mm – 762 mm)

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

► OPERATION



1. A continuous, invisible light beam is emitted from the OPTIMA® Sensor.

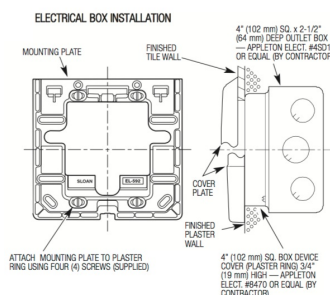
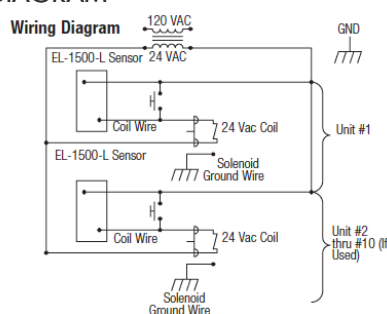


2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the OPTIMA® Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.

3. When the user steps away from the object lock infrared sensor, the circuit initiates the flushing cycle to flush the fixture. The circuit then automatically resets and is ready for the next user.

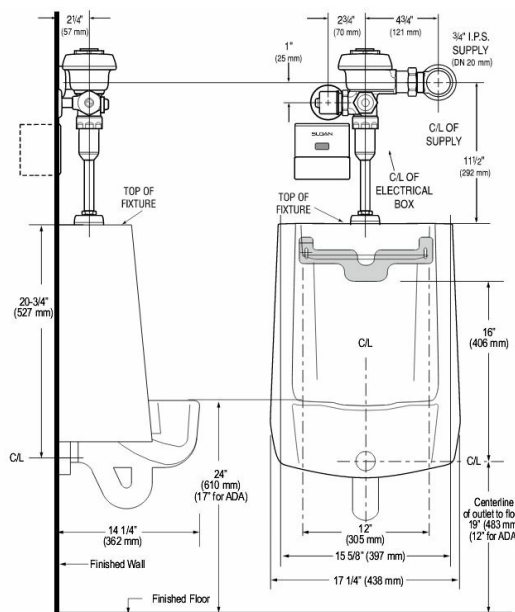
To ensure a perfect rough-in, Sloan recommends the use of the EL-518-A flushometer electrical box positioning and support kit. Specify and order the EL-518-A kit separately. Consult factory for installation details.

► WIRING DIAGRAM



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.

Sensor location and positioning is critical.



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.

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