

► Code Number

3453265

► Description

Concealed, Sensor Activated Royal® Model Urinal Flushometer, for ¾" back spud urinals.

► Flush Cycle

0.125 gpf/ 0.5 Lpf

► Specifications

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Flush Accuracy Controlled by CID Technology
- ¾" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- Quiet, Concealed, Diaphragm Type, Rough Brass Urinal Flushometer with the following features:
- Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine Resistance
- High Back Pressure Vacuum Breaker Flush Connection and Spud Coupling for ¾" Concealed Back Spud

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 A112.19.2. Installation conforms to ADA requirements.

► Control Circuit

Solid State

8 Second Arming Delay

24 VAC Input



► Automatic Operation

Sloan 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 surrounding. 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, trouble-free operation. The operational components of the Flushometer are identical to a handle activated Royal® Flushometer, proven by 90 years of experience.

► Hygienic

User makes no physical contact with the Flushometer surface. Helps control the spread of infectious diseases. 24-Hour Sentinel Flush keeps fixture fresh during periods of nonuse.

► Compliance & Certifications



This space for Architect/Engineer Approval

24 VAC Output

► Solenoid Operator

24 VAC, 50/60 Hz

► Transformers

- Sloan Part #EL-154 120 VAC, 50/60 Hz Primary 24 VAC, 50/60 Hz Secondary Class II, UL Listed, 50 VA.
- Sloan Part #EL-342 240 VAC, 50/60 Hz Primary 24 VAC, 50/60 Hz Secondary Class II, UL Listed, 50 VA.

► Sensor Range

Nominal 15" - 30" (381 mm - 762 mm) Self-adaptive Window $\pm 8"$ (203 mm)

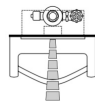
► L Dimension

Specify the "L" Dimension for the proper length of the Flush Connection. The "L" Dimension is equal to the Wall Thickness (to nearest whole inch) plus $2\frac{3}{4}"$.

► Accessories (Sold Separately)

See Accessories Section and OPTIMA Accessories Section of the Sloan catalog for details on these and other OPTIMA Flushometer variations.

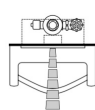
► OPERATION



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

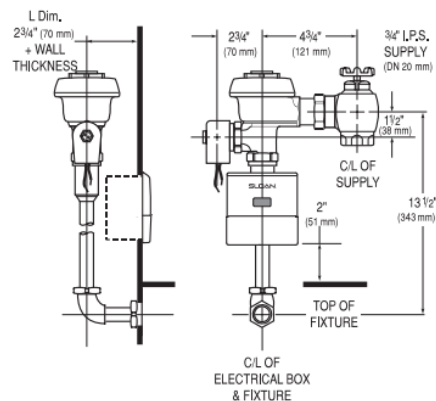


2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the OPTIMA Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.

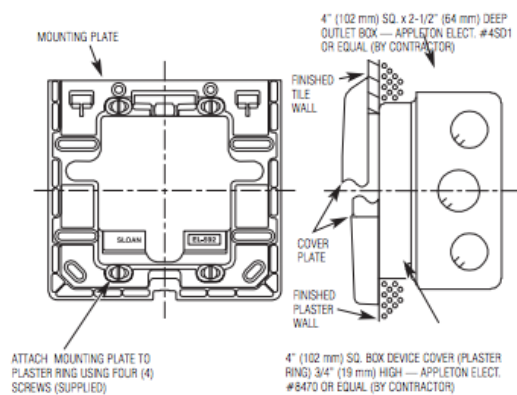


3. When the user steps away from the OPTIMA Sensor, the circuit immediately initiates an electrical "one-time" signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.

► ROUGH-IN

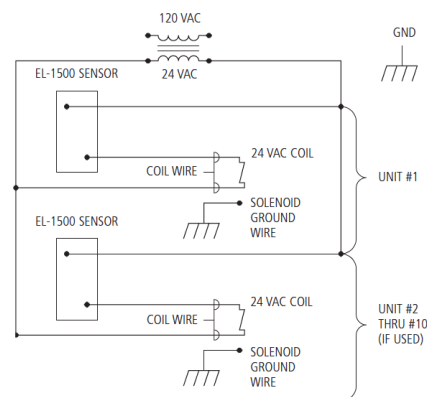


► ELECTRICAL BOX INSTALLATION



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.

► WIRING DIAGRAM



One Transformer serves up to ten (10) OPTIMA Closet/Urinal Flushometers. Specify number of transformers required accordingly.