

► Code Number

3453264

► Description

Concealed, Sensor Activated, Royal® Model Urinal Flushometer, enclosed behind a 13" x 17" Wall Box with Stainless Steel Access Panel, for 3/4" top spud urinals.

► Flush Cycle

0.125 gpf/0.5 Lpf

► Specifications

Quiet, Concealed, Diaphragm Type, Rough Brass Urinal Flushometer with the following features:

- Chrome Plated Exposed Flushometer Parts
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance
- 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
- Courtesy Flush Override Button
- PERMEX® Synthetic Rubber Diaphragm with Dual Linear Filtered Bypass
- High Back Pressure Vacuum Breaker Flush Connection, Spud Coupling and Flanges for 3/4" Exposed Top Spud
- 13" x 17" EASY ACCESS® Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- Flush accuracy controlled by CID® technology

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

- 3/4" I.P.S. Wheel Handle Bak-Chek® Angle Stop

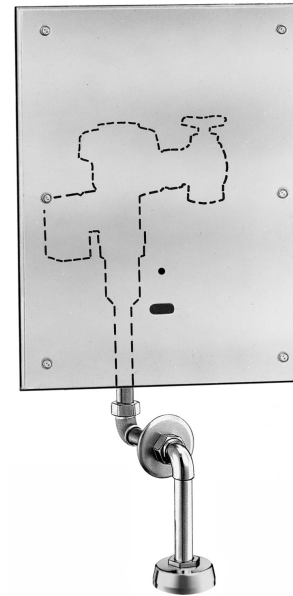
► Variations

2-10 3/4 LDIM

OR - Override Button

► Accessories (Sold Separately)

- Transformer (120 VAC/24 VAC, 50 VA) EL-154
- Transformer (240 VAC/24 VAC, 50 VA) EL-342
- See Accessories Section and OPTIMA® Accessories Section of the Sloan catalog for details on these and other OPTIMA® Flushometer variations.



► 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, 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.

► Made in the U.S.A.

► Compliance & Certifications

Made In The
USA



This space for Architect/Engineer Approval

► Wall Box Specifications

SLOAN 10500 SEYMOUR AVE. • FRANKLIN PARK, • IL. 60131

Ph: 1-800-9-VALVE-9 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380 • <http://www.sloan.com>

- EASY ACCESS® Wall Box Assembly — Part #EL-192-A
- Frame: 13" x 17" x 4" (330 mm x 432 mm x 102 mm) #16 Gauge Steel
- Cover (Access Panel): 14½" x 18½" (368 mm x 470 mm) #15 Gauge #304 Stainless Steel, #4 Finish
- Screws: (6) #8-32 x ¾" Drilled Spanner Head — Spanner Bit Provided

► Control Circuit

- Solid State
- 8 Second Arming Delay
- 24 VAC Input
- 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.

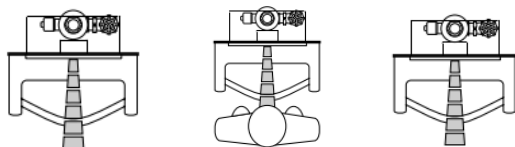
► Sensor Range

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

► L Dimension

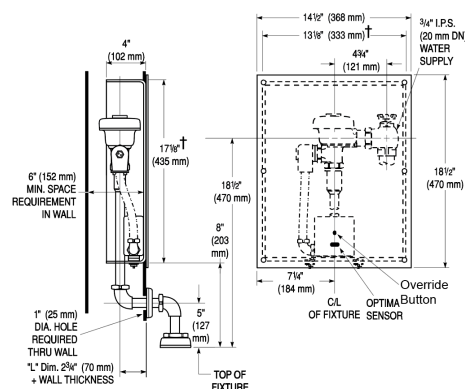
Specify the "L" Dimension for the proper length of the Handle Assembly and Flush Connection. The "L" Dimension is equal to the Wall Thickness (to the nearest whole inch) plus 2¾" (70 mm).

► OPERATION

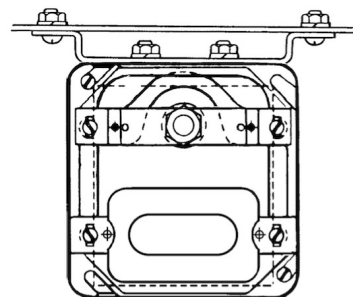
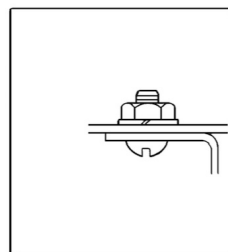


1. A continuous, invisible light beam is emitted from the OPTIMA Sensor.
2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the OPTIMA Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode 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



†† Required Wall Opening



► ELECTRICAL BOX INSTALLATION

SENSOR LOCATION AND POSITIONING IS CRITICAL

Adjust the Mounting Bracket so that the Sensor sits flush against the Cover Plate.

Refer to the instructions packaged with the Flushometer for additional installation information.

► WIRING DIAGRAM

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