

# Sloan® Model OPTIMA® Sensor Activated Flushometers SLOAN 152-1.28 2-10 3/4 LDIM DFB WB ESS

## ► Code Number

3771607

## ► Flush Cycle

1.28 gpf/4.8 Lpf

## ► Specifications

- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- Chrome Plated Exposed Flushometer Parts
- Spud Coupling for 1½" Concealed Back Spud
- Vacuum Breaker with Flush Connection
- Low Consumption flush accuracy
- User friendly three (3) second Flush Delay
- No External Volume Adjustment to Ensure Water Conservation
- DFB Dual Filtered Fixed Bypass Diaphragm
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- 13 1/2" x 13 1/2" Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- Quiet, Concealed, Diaphragm Type, Rough Brass Closet Flushometer with the following features:
- Adjustable Tailpiece
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Courtesy Flush® Override Button
- 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 112.19.2.
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance

## ► Variations

2-10 3/4 LDIM

## ► Control Circuit

Solid State

3 Second Flush Delay

24 VAC Input

24 VAC Output

16 Second Arming Delay

## ► Solenoid Operator

24 VAC, 50/60 Hz

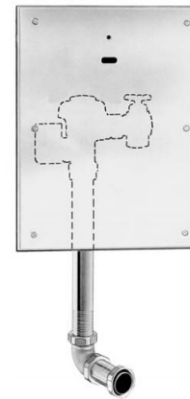
## ► Transformers

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.

## ► Accessories (Sold Separately)

- EL-154 120 VAC/24 VAC, 50/60 Hz (50 VA) - Box Mount (will operate up to 3 faucets)
- Transformer (240 VAC/24 VAC, 50 VA) EL-342
- See Accessories Section and OPTIMA® Accessories Section of



## ► Economical

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

## ► 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).

## ► 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.

## ► 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.

## ► 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.

## ► Made in the U.S.A.

## ► Compliance & Certifications



This space for Architect/Engineer Approval

## ► ROUGH-IN

the Sloan catalog for details on these and other OPTIMA® Flushometer variations.

### ► Sensor Range

Nominal 22" - 42" (559 mm - 1067 mm) Self-adaptive Window:  $\pm 10"$  (254 mm)

## ► OPERATION



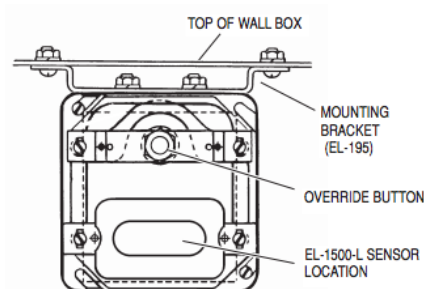
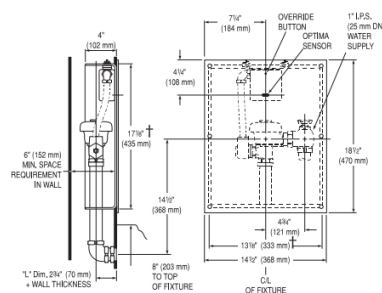
1. A continuous, invisible light beam is emitted from the OPTIMA Sensor.



2. As the user enters the beam's effective range (22" to 42") 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 waits 3 seconds (to prevent false flushing) then initiates an electrical "onetime" 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.



† 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.

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.