Sloan® Model OPTIMA® Sensor Activated Flushometers 152-1.6 2-10 3/4 LDIM DFB ESS

▶ Code Number
3771601

▶ Description
Concealed, Sensor Activated Sloan® Model Water Closet Flushometer for wall hung back spud bowls.

▶ Flush Cycle
1.6 gpf/6.0 Lpf

▶ Specifications
Quiet, Concealed, Diaphragm Type, Rough Brass Closet Flushometer with the following features:

- High Chloramine Resistant PERMEX® Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action™
- Low Consumption flush accuracy
- Chrome Plated Exposed Flushometer Parts
- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- User friendly three (3) second Flush Delay
- Courtesy Flush® Override Button
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- Two (2) Chrome Plated Wall Cover Plates (for 2-gang Electrical Box) with Vandal Resistant Screws
- Vacuum Breaker with Flush Connection
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine Resistance

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.

▶ Variations
DFB Dual-Filtered Bypass Diaphragm

2-10 3/4 LDIM

▶ 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 2¾".

▶ Control Circuit
- Solid State
- 8 Second Arming Delay
- 3 Second Flush Delay
- 24 VAC Input
- 24 VAC Output

▶ Sensor Range
Nominal 22" - 42" (559 mm - 1067 mm) Self-adaptive Window ± 10" (254 mm)

▶ Solenoid Operator
24 VAC, 50/60 Hz

▶ 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 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.

▶ Compliance & Certifications
LISTED 376U

Buy American Act Compliant

This space for Architect/Engineer Approval

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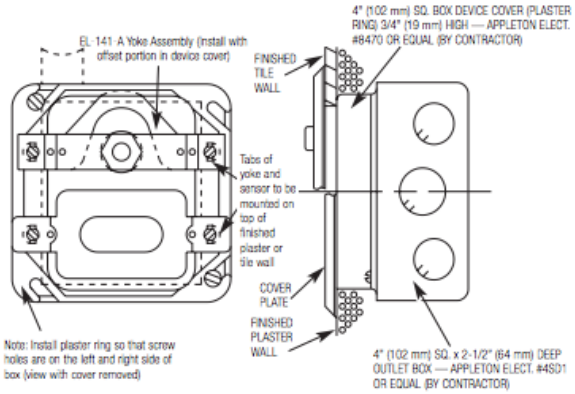
▶ Transformers

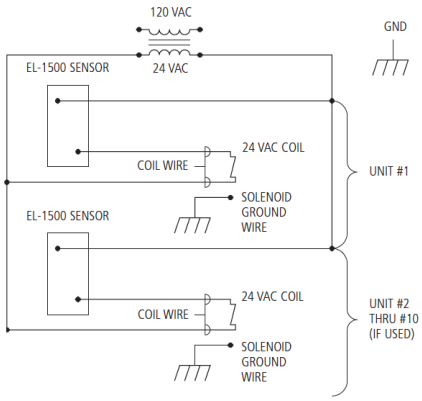
☐ Sloan Part #EL-154 120 VAC, 50/60 Hz Primary 24 VAC, 50/60 Hz Secondary Class II, UL Listed, 50 VA.

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

▶ ELECTRICAL BOX INSTALLATION



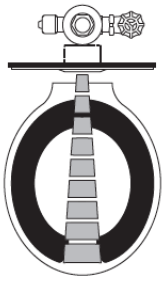
▶ WIRING DIAGRAM



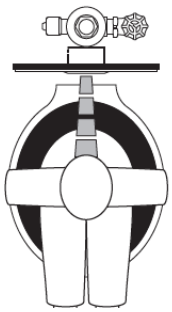
One Transformer serves up to ten (10) OPTIMA Closet/Urinal Flushometers. Specify number of transformers required accordingly.

▶ OPERATION

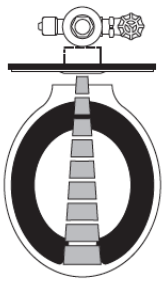
1. A continuous, invisible light beam is emitted from the OPTIMA Sensor.



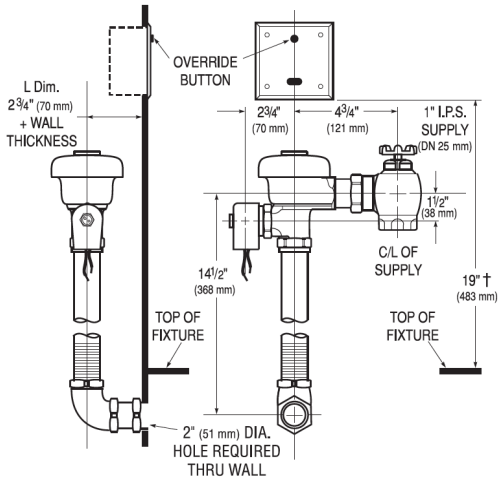
2. As the user enters the beam's effective range (22" to 42") the beam is reflected into the OPTIMA Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.



3. When the user steps away from the OPTIMA Sensor, the circuit waits 3 seconds (to prevent false flushing) then initiates an electrical "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.