Regal® XL Model OPTIMA® Sensor Activated Flushometers 153-1.6 XL 2-10 3/4 LDIM ESS

▶ Code Number
3581621

▶ Description
Concealed, Sensor Activated Regal® XL Model Water Closet Flushometer, for floor mounted or wall hung top spud bowls.

▶ Flush Cycle
1.6 gpf/6.0Lpf

▶ Specifications
Quiet, Concealed, Rough Brass Closet Flushometer for either left or right hand supply with the following features:

- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- Chrome Plated Exposed Flushometer Parts
- Spud Coupling for 1½" Concealed Back Spud
- Vacuum Breaker Flush Connection
- Low Consumption flush accuracy controlled by Para-Flo™ Technology
- Handle Packing, Main Seat, Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- 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.

▶ Variations
ESS - Electronic Sensor Solenoid Operated

LDIM - 3 3/4

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

16 Second Arming Delay

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

▶ Solenoid Operator
24 VAC, 50/60 Hz

▶ 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". This product is designed to function in applications where the wall thickness is greater than 2", but less than 10¾". If your application is not in this range please consult your local Sloan Representative or Sloan Technical Support.

▶ OPERATION

▶ 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.

▶ 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 operated Regal® XL Flushometer.

▶ Compliance & Certifications
UL LISTED 376U

Buy American Act Compliant

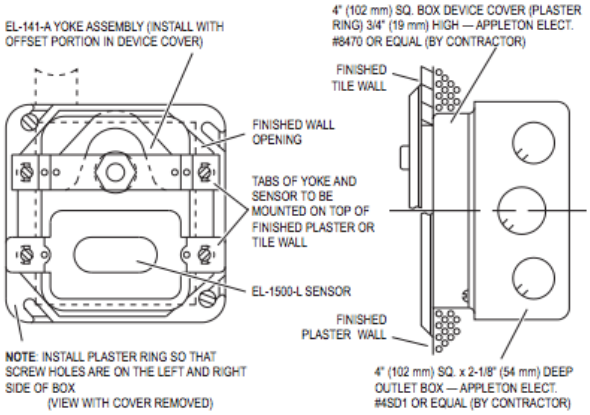
This space for Architect/Engineer Approval

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.

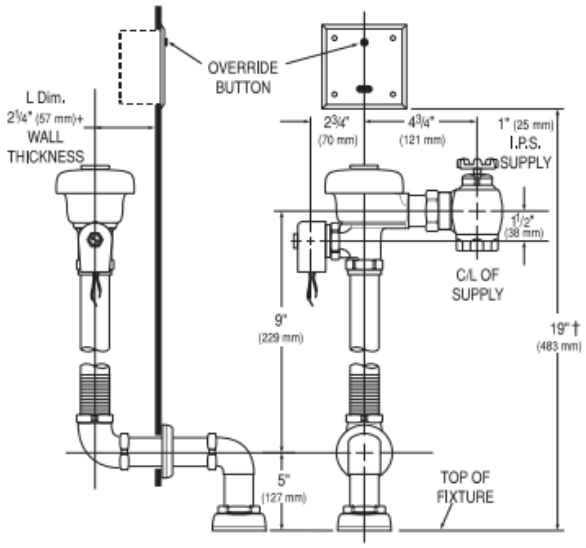
3. When the user steps away from the OPTIMA Sensor, the circuit waits 3 seconds (to prevent false flushing) then initiates an electrical "onetime" signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.

► 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.

► ROUGH-IN



► WIRING DIAGRAM

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