

186-0.5 XL ES-S

► Description

Exposed, Sensor Activated Regal[®] XL Model Urinal Flushometer, for 3/4" top spud urinals.

► Flush Cycle

Model 186-0.5 XL ES-S High Efficiency (0.5 gpf/1.9 Lpf)

► Specifications

Quiet, Exposed, Diaphragm Type, Chrome Plated Urinal Flushometer for either left or right hand supply with the following features:

- OPTIMA[®] EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- Non-Hold-Open Integral Solenoid Operator
- Chrome Plated Wall Cover Plate (for 2-gang Electrical Box) with Vandal Resistant Screws
- 3/4" I.P.S. Screwdriver Bak-Chek[™] Angle Stop
- Control Stop Plug
- Sweat Solder Adapter
- Adjustable Tailpiece
- Vacuum Breaker Flush Connection
- Spud Coupling and Flange for 3/4" Top Spud
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Low Consumption flush accuracy controlled by Para-Flo[™] Technology
- Diaphragm, Stop Seat and Vacuum Breaker to be Molded from PERMEX[™] Rubber Compound for Chloramine Resistance

Valve Body, Cover, Tailpiece and Control Stop in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve in compliance with the applicable sections of ASSE 1037. Installation conforms to ADA requirements.

► Accessories

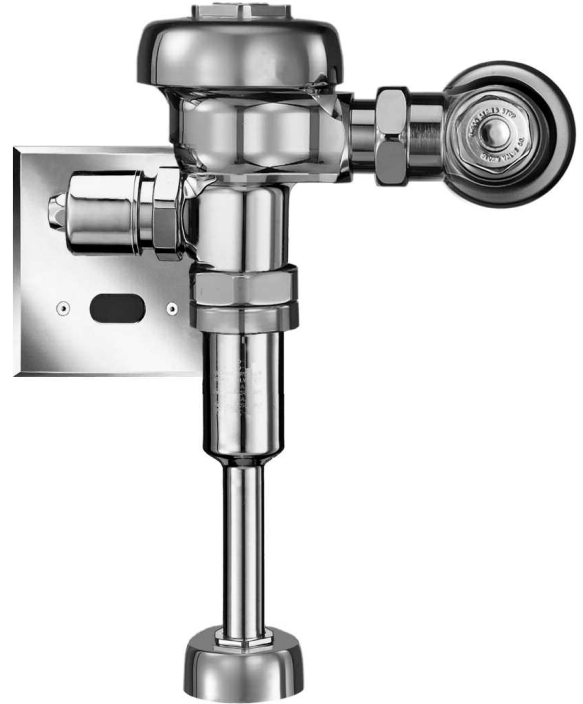
- ☐ **EL-154** Transformer (120 VAC/24 VAC, 50 VA)
- ☐ **EL-342** Transformer (240 VAC/24 VAC, 50 VA)
- ☐ **EL-518-A** Flushometer Electrical Box Positioning and Support Kit

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

► Fixtures

Consult Sloan for Sloan brand matching fixture options.

HEU
HIGH-EFFICIENCY URINAL



► Automatic

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. Helps control the spread of infectious diseases. Twenty-four Hour Sentinel Flush keeps fixture fresh during periods of nonuse.

► 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.

► Warranty

3 year (limited)



LISTED 376U



Listed by I.A.P.M.O.



This space for Architect/Engineer approval

Job Name _____ Date _____

Model Specified _____ Quantity _____

Variations Specified _____

Customer/Wholesaler _____

Contractor _____

Architect _____

186-0.5 XL ES-S

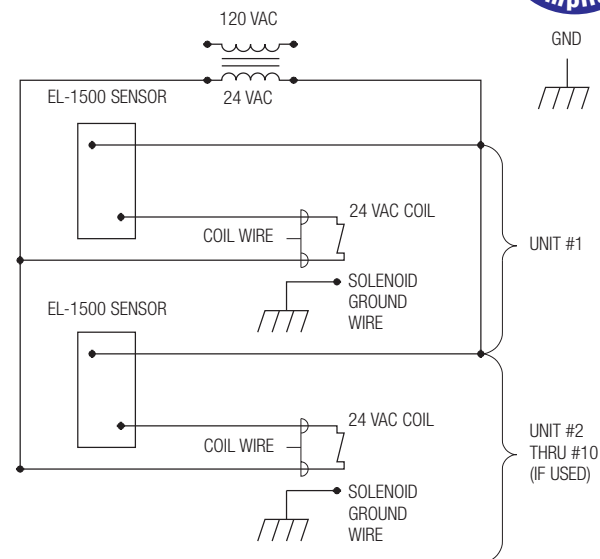


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ELECTRICAL SPECIFICATIONS

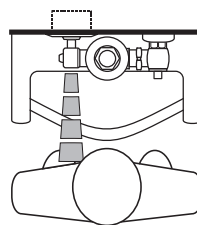
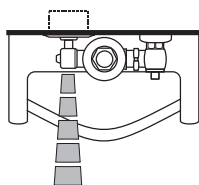
- **Control Circuit**
Solid State
24 VAC Input
24 VAC Output
8 Second Arming Delay
24 Hour Sentinel Flush
- **OPTIMA® Sensor Range**
Nominal 15" - 30" (381 mm - 762 mm)
Self-adaptive Window: ± 8" (203 mm)
- **Solenoid Operator**
24 VAC, 50/60 Hz
- **Transformer**
Sloan Part #EL-154
120 VAC, 50/60 Hz 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.

WIRING DIAGRAM

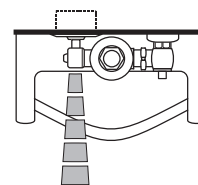


OPERATION

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.



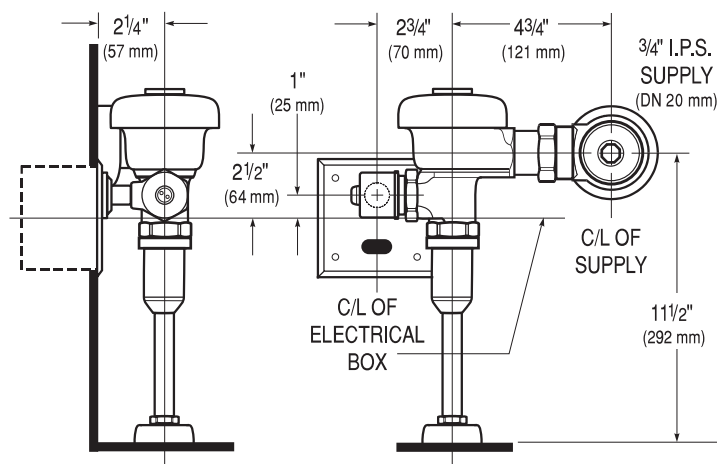
3. When the user steps away from the OPTIMA® Sensor, the circuit immediately initiates an electrical "one-time" signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.



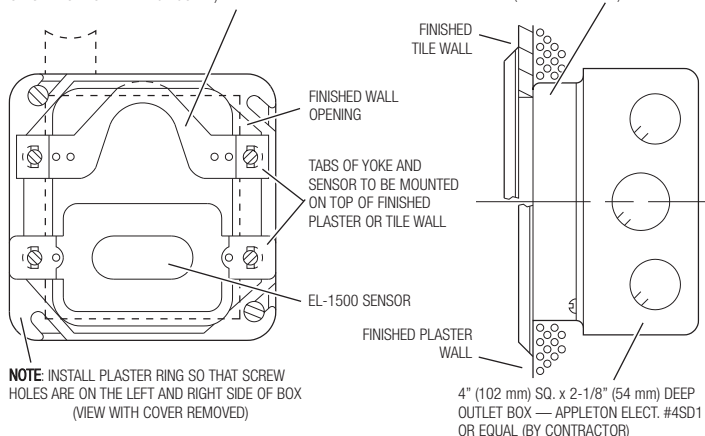
ELECTRICAL BOX INSTALLATION

SENSOR LOCATION AND POSITIONING IS CRITICAL

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.



EL-168-A YOKE ASSEMBLY (INSTALL WITH OFFSET PORTION IN DEVICE COVER)



To ensure a perfect rough-in, Sloan recommends the use of the EL-518-A Flushometer Electrical Box Positioning and Support Kit. Specify and order the EL-518-A Kit separately. Consult factory for installation details.

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