Sloan® Model OPTIMA® Plus Battery Powered Flushometers
Sloan Optima Plus 8186-0.25

▶ Code Number
3790085

Description
Exposed, Battery Powered, Sensor Activated Sloan® Optima® Plus Model Urinal Flushometer for ¾" top spud urinals.

Flush Cycle
0.25 gpf (1.0 Lpf)

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

- Vacuum Breaker with Flush Connection
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- ¾" I.P.S. Screwdriver Bak-Chek® Angle Stop with Vandal Resistant Stop Cap
- Spud Coupling and Spud Flange for ¾" Top Spud
- Initial Set-up Range Indicator Light (first 10 minutes)
- "Low Battery" Flashing LED
- No External Volume Adjustment to Ensure Water Conservation
- Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
- Synthetic rubber seals for chloramine resistance
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- Chrome Plated Metal Handle Cap
- Engineered Plastic Cover with replaceable Lens Window
- ADA Compliant Battery Powered Infrared Sensor for automatic "Hands-free" operation
- 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.

- Four (4) Size AAA Batteries included

Accessories (Sold Separately)
See Accessories Section and OPTIMA® Accessories Section of the Sloan catalog for details on these and other OPTIMA® Flushometer variations.

▶ FEATURES

Automatic Operation
Sloan Optima Plus® Flushometers activate via multi-lobular sensor detection to provide the ultimate in sanitary protection and automatic operation. A battery powered infrared sensor sets the flushing mechanism after the user is detected and Completes the flush when the user steps away.

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.

▶ Compliance & Certifications

HIGH-EFFICIENCY URINAL

This space for Architect/Engineer Approval

▶ ELECTRICAL SPECIFICATIONS

Control Circuit
- Solid State
- 6 VDC Input

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

- 8 Second Arming Delay

Sensor Type
- Active Infrared

Sensor Range
- Nominal 15"-30" (381 mm-762 mm), adjustable ± 8" (203 mm)

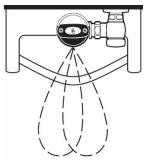
Sentinel Flush
- Automatic flush once every 72 hours after the last flush. Product shipped from factory with feature turned off. Consult factory to activate.

Battery Type
- (4) AA Alkaline

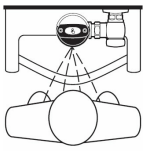
Battery Life
- 6 Years @ 4,000 flushes/month

Operating Pressure
- 15 - 100 psi (104 - 689 kPa)

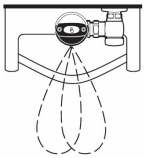
▶ OPERATION



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

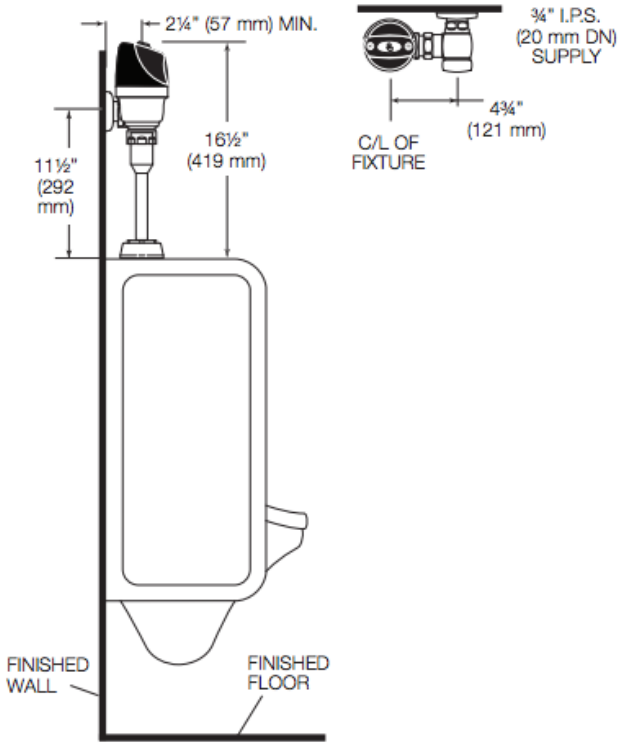


2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.



3. When the user steps away from the Sensor, the Sensor initiates an electrical 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



Note: Lens Deflector no longer needed for targeting children or wheel chair users.