Crown® OPTIMA® Sensor Operated Flushometers 186-0.125 ESS

▶ Code Number
3122660

▶ Description
Exposed, sensor-activated Crown® urinal flushometer, for 3/4" top spud urinals. Valve cannot be converted to exceed a low consumption flush.

▶ Flush Cycle
0.125 gpf/0.5 Lpf

▶ Specifications
Quiet, exposed, piston-type, chrome plated urinal flushometer for either left or right hand supply with the following features:

- ¾" I.P.S. Screwdriver Bak-Chek® Angle Stop with Vandal Resistant Stop Cap
- Fixed Volume Piston with Filtered O-ring Bypass
- Sweat solder adapter with cover tube and cast wall flange with set screw
- Spud coupling and flange for 3/4" top spud
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Valve designed to accept Low Consumption and High Efficiency Pistons only to ensure Water Conservation
- Main Seat, Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine Resistance

Valve Body, 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. Installation conforms to ADA requirements.

- Adjustable Tailpiece
- Die Cast Sensor Plate with no visible Fasteners (for 2-gang Electrical Box)
- Spud Coupling and Flange for 1 1/2" Top Spud

▶ Accessories (specify separately)
☐ Transformer (120 VAC/24 VAC 50 VA)

☐ Transformer (240 VAC/24 VAC 50 VA)

☐ Flushometer Electrical Box Positioning and Support Kit

▶ Fixtures
Consult factory for matching Sloan brand fixture options.

▶ 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, troublefree operation. The operational components of the Flushometer are identical to a handle activated Royal® Flushometer, proven by over 100 years of experience.

▶ Compliance & Certifications
WaterSense Meets EPA Criteria
HEU HIGH-EFFICIENCY URINAL
Buy American Act Compliant

This space for Architect/Engineer Approval

Crown® OPTIMA® Sensor Operated Flushometers
186-0.125 ESS

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

▶ Solenoid Operator
24 VAC, 50/60 Hz

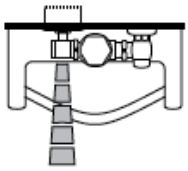
▶ Transformers
- Sloan Part #EL-154 120 VAC, 50/60 Hz Primary 24 VAC, 50/60 Hz Secondary Class II, UL Listed, 50 VA.
- Sloan Part #EL-342 240 VAC, 50/60 Hz Primary 24 VAC, 50/60 Hz Secondary Class II, UL Listed, 50 VA.

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

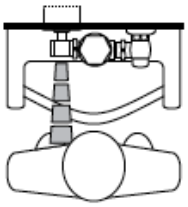
▶ Accessories (Sold Separately)
See Accessories Section and OPTIMA® Accessories Section of the Sloan catalog for details on these and other OPTIMA® Flushometer variations.

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

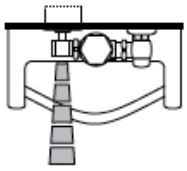
▶ OPERATION
1. A continuous, invisible light beam is emitted from the Optima sensor.



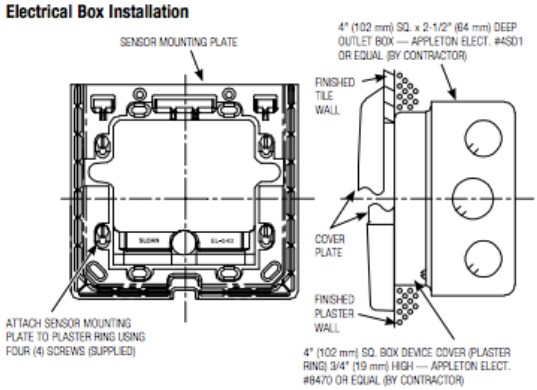
2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the Optima scanner window and transformed into a low voltage electrical circuit. Once activated, the output circuit continues in a "hold" mode for as long as the user remains within the effective range of the sensor.



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



▶ ROUGH-IN