

186-SMO

► **Description**

Exposed, Battery Powered, Side Mount Sensor Operated Urinal Flushometer for ¾" top spud urinals.

► **Flush Cycle**

- Model 186-0.5-SMO (0.5 gpf/1.9 Lpf)
- Model 186-1.0-SMO Low Consumption (1.0 gpf/3.8 Lpf)
- Model 186-SMO Water Saver (1.5 gpf/5.7 Lpf)

► **Specifications**

Quiet, Exposed, Piston Type, Chrome Plated Urinal Flushometer with the following features:

- ADA Compliant OPTIMA® Battery Powered Infrared Sensor for automatic "No Hands" operation
- Fixed Volume Piston with Filtered O-ring Bypass
- Chrome Plated Infrared Sensor Housing
- Angled Sensor Window
- Manual Override Flush Button
- Four (4) Size C Batteries included
- "Low Battery" Flashing LED with Optional Audio Tone
- "User in View" Flashing LED
- Optional 24-Hour Sentinel Flush
- Infrared Sensor Range Adjustment Screw and Reset Button
- EBV-157 Handle Adapter Kit
- ¾" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Locking Vandal Resistant Stop Cap
- Adjustable Tailpiece
- Vacuum Breaker Flush Connection
- Spud Coupling, Wall and Spud Flanges for ¾" Top Spud
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- 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 to the applicable sections of ASSE 1037, ANSI/ASME A112.19.2, and Military Specification V-29193.

► **Variations**

- XYV** Less Vacuum Breaker
- XL** Sweat Solder Adapter and Cast Set Screw Wall Flange

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



► **ADA Compliant**

► **Automatic**

Sloan OPTIMA SMO equipped Flushometers provide the ultimate in sanitary protection and automatic operation. There is no need for AC hookups or wall alterations. The Flushometer operates by means of a battery powered infrared sensor. Once the user enters the sensor's effective range and then steps away, the Side Mount Unit 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. 24-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. Installation and battery replacement does not require turning off water to the valve.

► **Warranty**

3 year (limited)



This space for Architect/Engineer approval

Job Name _____ Date _____

Model Specified _____ Quantity _____

Variations Specified _____

Customer/Wholesaler _____

Contractor _____

Architect _____

186-SMO

► Description

Exposed, Battery Powered, Side Mount Sensor Operated Urinal Flushometer for 3/4" top spud urinals.

► Flush Cycle

- Model 186-0.5-SMO (0.5 gpf/1.9 Lpf)
- Model 186-1.0-SMO Low Consumption (1.0 gpf/3.8 Lpf)
- Model 186-SMO Water Saver (1.5 gpf/5.7 Lpf)

ELECTRICAL SPECIFICATIONS

► Control Circuit

Solid State
6 VDC Input

► OPTIMA Sensor Type

Infrared Convergence Type Object Lock Detection

► OPTIMA Sensor Range

Nominal 8" - 54" (203 mm-1372 mm), Factory Set at 24" (610 mm)

► Battery Type

(4) Size C Alkaline

► Battery Life

2 Years @ 3,000 Flushes/Month

Indicator Lights

User in View/Low Battery

Operating Pressure

15-100 psi (104-689 kPa)

Operation Features

(can be turned on and off)
24-Hour Sentinel Flush
Audio Low Battery Tone

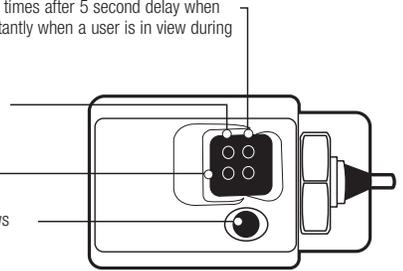
VISUAL INDICATOR GUIDE

USER-IN-VIEW L.E.D. — Green light flashes 3 times after 5 second delay when a user is in view. The green light flashes constantly when a user is in view during the 7 minute start up sequence.

BATTERY L.E.D. — Yellow light flashes indicating it is time to replace batteries with four (4) new Type "C" batteries.

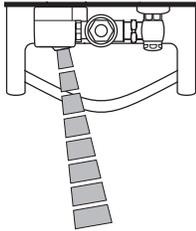
OBJECT LOCK SENSOR — Detects user or object.

COURTESY MANUAL FLUSH BUTTON — Allows manual activation of flush when needed.

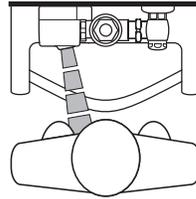


OPERATION

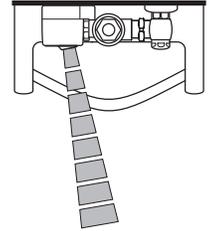
1. A continuous, invisible light beam is emitted from the Object Lock Infrared Sensor.



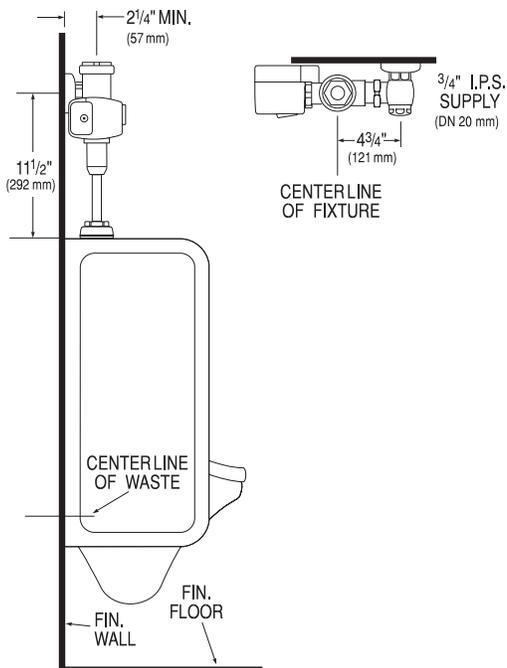
2. As the user enters the beam's effective range, 8" to 54" (203 mm - 1372 mm), the Object Lock Infrared Sensor senses the user.



3. When the user steps away from the Object Lock Infrared Sensor, the circuit initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.



ROUGH-IN



Includes EBV-89-A Side Mount Operator

FUNCTION SETTINGS

Sensor Range Adjustment Screw

Use Sensor Adjustment Tool

Short — + Long

Operation Features

Switch 1 24 Hours Flush On Switch 2 Alarm Tone On	Switch 1 24 Hours Flush On Switch 2 Alarm Tone Off	Switch 1 24 Hours Flush Off Switch 2 Alarm Tone On	Switch 1 24 Hours Flush Off Switch 2 Alarm Tone Off

Sensor Range Reset Button

Battery LED (Yellow) Flashing LED = Change Batteries

User-In-View LED (Green) Flashes 3 Times = User Acknowledged and Ready to Operate per Mode Setting

Object Lock Sensor - Detects User or Object

Courtesy Manual Flush Button
Allows Manual Activation of Flush When Needed

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