



Model

WETS 2003.1402-1.6-SMO

OPTIMA® Systems Battery Powered Flushometer and Water Closet

DESCRIPTION

Complete system with exposed, battery powered, sensor activated, Royal® OPTIMA® SMO closet Flushometer and vitreous china water closet.

Flush Cycle

Model WETS 2003.1402-1.6-SMO (1.6 gpf/6.0 Lpf)



SPECIFICATIONS

Quiet, exposed, diaphragm type, chrome plated closet Flushometer for either left or right hand supply and vitreous china water closet with the following features:

Flushometer and OPTIMA® SMO Unit

- PERMEX® Plus Synthetic Rubber Diaphragm with Dual Filter Bypass
- ADA Compliant OPTIMA® Battery Powered Infrared Sensor for automatic “No Hands” operation
- Chrome plated Infrared Sensor Housing
- Four (4) Size C batteries included
- “Low Battery” flashing LED
- “User in View” flashing LED
- Infrared Sensor Range Adjustment Screw and Reset Button
- 1” I.P.S. Screwdriver Bak-Chek® Angle Stop
- High Back Pressure Vacuum Breaker Flush Connection with One-piece Bottom Hex Coupling Nut
- Spud Coupling and Flange for 1-1/2” Top Spud
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange w/Set Screw
- High copper, low zinc brass castings for dezincification resistance
- No external volume adjustment to ensure water conservation
- Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for chloramine resistance
- Valve Body, Tailpiece and Control Stop are in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037, ANSI/ASME A112.19.2.

Water Closet

- Floor Mounted
 - Vitreous china elongated bowl
 - Closet bolts & caps included
 - 1-1/2” I.P.S. top spud inlet
 - 2” trapway diameter
 - Siphon jet flush
 - 100 % factory flush tested
 - All mounting hardware included
 - Integral flushing rim
 - Seat not included
- Compatible with Toilet Seat Models:
Olsonite 10CT, Bemis 1955CT and Church Commercial 295CT

FEATURES

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 Operator 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. 24-hour Sentinel Flush keeps fixture fresh during periods of nonuse.

Economical

Automatic operation and a very low flush volume provides water 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)

NOTE:

Plumbing System Requirements

- Minimum **Flowing** Pressure: 25 PSI
- Minimum Flow Rate: 18 GPM

This space for Architect/Engineer approval	
Job Name	Date
Model Specified	Quantity
Variations Specified	
Customer/Wholesaler	
Contractor	
Architect	

The information contained in this document is subject to change without notice.



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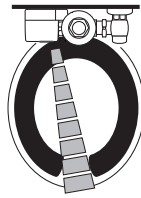
Flush Cycle

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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



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

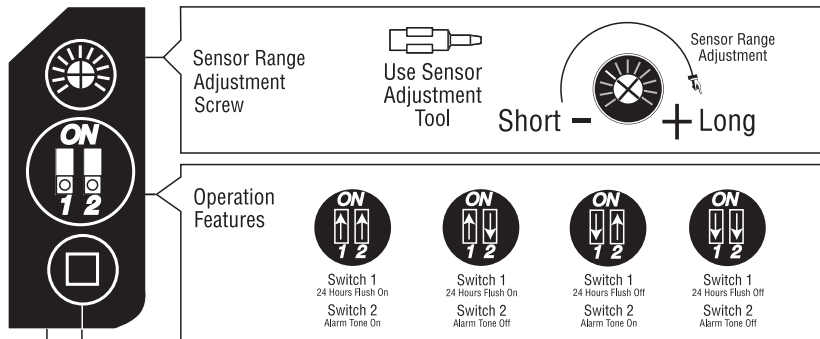
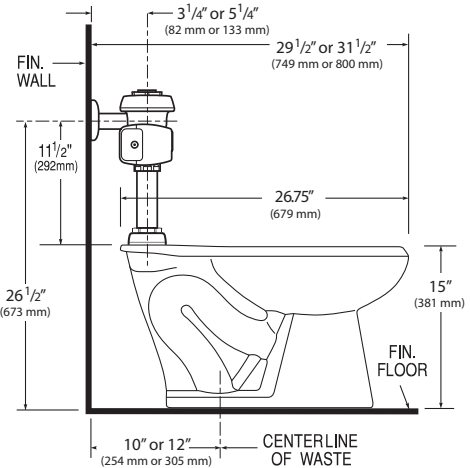
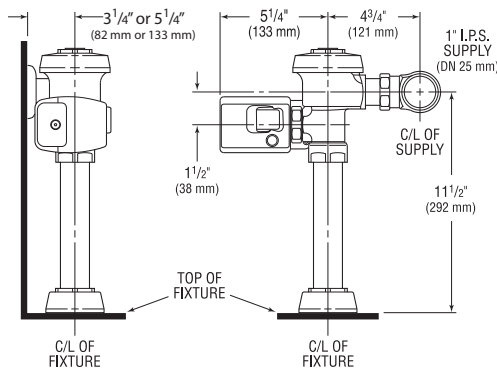


2. As the user enters the beam's effective range, 8" to 54" (203 mm – 1372 mm), the Object Lock Infrared Sensor senses the user.



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.

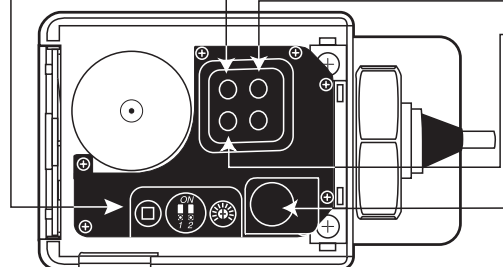
DIMENSIONS/ROUGH-IN



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
 (Toilet Model Only)
 Allows Manual Activation of Flush When Needed



Smo Unit Detail