

► **Code Number**

20021201

► **SPECIFICATIONS**

Specifications

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

Flush Cycle

- Model WETS 2002.1201-1.6/1.1 SOLIS DF
- 1.6 / 1.1 gpf - 6.0 Lpf / 4.2 Lpf

Flushometer Specification

- User Friendly Three (3) Second Flush Delay
- "Walk By" Delay of Eight (8) Seconds Prevents Unintentional Flushes
- Initial Set-up Range Indicator Light (first 10 minutes)
- Chrome plated Infrared Sensor Housing
- Engineered Metal Cover with replaceable Lens Window
- Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- Solar Powered. The sensor assembly is powered by a solar cell that will harvest power from artificial indoor light, either incandescent or fluorescent light, and use it as the energy source. The solar cell can provide approximately 100% power with 650 Illuminance (lux).
- Reduces water volume by up to 30% when a reduced flush occurs
- PERMEX® Synthetic Rubber Diaphragm with twin linear filtered bypass and vortex cleansing action
- ADA Compliant Sloan Solis® Electronic Dual Flush Solar Powered Infrared Sensor for automatic "No Hands" operation
- Courtesy Flush® Override Button
- Four (4) Size AA Battery back-up power source
- Flush accuracy controlled by CID® technology
- Infrared Sensor with Multiple-focused, Lobular Sensing fields for high and low target detection
- 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/ ASME A112.19.2/CSA B45.1
- If the user is present for less than one minute and leaves the sensing zone or chooses the small override button, a reduced flush initiates (1.1 gpf/ 4.2 Lpf) eliminating liquid and paper waste and saving water
- If the user is present for greater than one minute and leaves the zone or chooses the large override button, the full flush initiates (1.6 gpf/6.0 Lpf) eliminating solid waste and paper
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance

► **FEATURES**

Automatic

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



► **SPECIFICATIONS (continued)**

Fixture Specification

- Integral flushing rim with bed pan lugs
- 1-1/2" I.P.S. top spud inlet
- Siphon jet flush
- Floor Mounted Vitreous China Elongated Bowl
- Compatible with toilet seat models:
- Church Commercial 295CT
- Dual Flush
- Water spot area 9-1/2" x 8-1/4"
- Olsonite 10CT, Bemis 1955CT, Bemis 2155CT and
- Complies to the applicable sections of: ANSI/ASME A112.19.2 and CSA B45.1
- 2 1/2" fully glazed trapway
- Compliant with Buy American Act when purchased as a combination
- Mounting hardware, carrier and toilet seat not included

► **Compliance & Certifications**

Made In The
USA

This space for Architect/Engineer Approval



Economical

- Automatic operation provides water usage savings over other flushing devices. Reduces maintenance and operation costs.

Functional & Hygienic

- User makes no physical contact with the Flushometer surface.

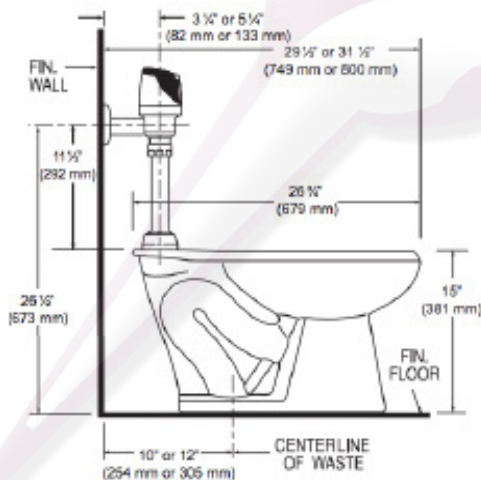
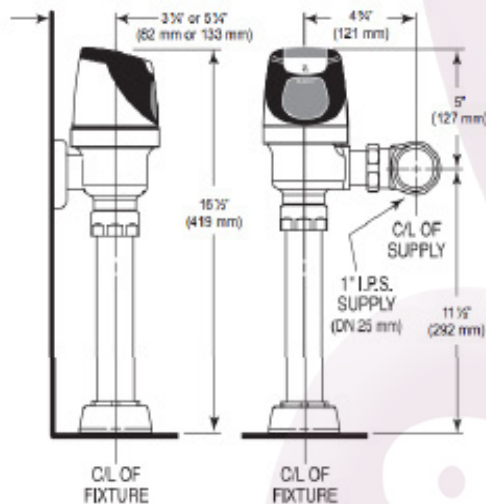
► Plumbing System Requirements

Maximum Static Pressure: 80 PSI

Minimum Flow Rate: 25 GPM

Minimum Flowing Pressure: 25 PSI

► ROUGH-IN



NOTE : All vitreous china dimensions shown in these drawings are nominal. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. Please take this into consideration when planning rough-in and plumbing layouts.

► ELECTRICAL SPECIFICATIONS

Sensor Type

- Active Infrared

Sensor Range

- Adjustable $\pm 8"$ (203 mm)
- Nominal 22" - 42" (559 mm - 1067 mm) Self-adaptive Window: $\pm 10"$ (254 mm)

Battery Life

- 6 Years @ 4,000 flushes/month

Battery Back-up Type

- (4) AA Alkaline

Indicator Lights

- Range Adjustment

Sentinel Flush

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

Control Circuit

- Solid State
- 6 VDC Input
- 72 Hour Sentinel Flush
- 8 Second Arming Delay

Valve Operating Pressure (Flowing)

- Valve Operating Pressure (Flowing)

► OPERATION



1. Standby mode: The sensor is always on, but no flush occurs. 2. Active mode: As the user enters the beam's effective range, the beam is reflected into the Scanner Window to activate the Output 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. If the user stays longer than 65 seconds, a full flush will automatically initiate when the user leaves. 3. Flush cycle: When the user steps away from the Sloan SOLIS® Flush Sensor, the circuit waits 3 seconds (to prevent false flushing) then 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.

2. As the user enters the beam's effective range, 22" to 42" (559 mm to 1067 mm), the beam is reflected into the Scanner Window to activate the Output 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. If the user stays longer than 65 seconds, a full flush will automatically initiate when the user leaves.

3. When the user steps away from the Sloan SOLIS® Flush Sensor, the circuit waits 3 seconds (to prevent false flushing) then 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.

