

► **Code Number**

20221201

► **SPECIFICATIONS**

Flush Cycle

Model WETS 2022.1201-1.6/1.1 SOLIS DF (Full Flush 1.6 gpf/6.0 Lpf, Reduced Flush 1.1 gpf/4.2 Lpg)

Specifications

- Quiet, exposed, diaphragm type, chrome plated closet dual flush Flushometer for either left or right hand supply with the following features:

Dual Flush Flushometer

- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Engineered Metal Cover with replaceable Lens Window
- Four (4) Size AA Battery back-up power source
- "Low Battery" Flashing LED
- Initial Set-up Range Indicator Light (first 10 minutes)
- High copper, low zinc brass castings for dezincification resistance
- Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- 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.
- 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).
- 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, saving 1/2 gallon of 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
- 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
- User friendly three (3) second Flush Delay
- Spud Coupling and Flange for 1½" Top Spud
- Diaphragm, Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine resistance
- Courtesy Flush® Override Button
- Flush accuracy controlled by CID® technology

► **FEATURES**

Automatic

- Sloan Solar powered Flushometers activate via multi-lobular sensor detection to provide the ultimate in sanitary protection



► **SPECIFICATIONS (continued)**

Dual Flush Fixture

- Siphon jet flushing action and Water spot area 9" x 8-1/2"
- 1-1/2" I.P.S. top spud inlet
- 2 1/8" fully glazed trapway diameter with Integral flushing rim
- Integral flushing rim
- Water spot area 9 1/2" x 8 1/4"
- Compatible with toilet seat models:
- Floor mounted vitreous china
- ADA compliant
- Dual flush elongated bowl
- Complies to the applicable sections of: ASME A112.19.2 and CSA B45.1
- Olsonite 10CT, Bemis 1955CT, Bemis 2155CT &
- Church Commercial 295CT
- Compliant with Buy American Act when purchased as a combination
- Mounting hardware, carrier and toilet seat not included

► **Compliance & Certifications**



This space for Architect/Engineer Approval

► **OPERATION**



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.

Economical

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

Functional & Hygienic

- Touchless, sensor operation eliminates the need for user contact to help control the spread of infectious diseases. The SOLIS® solar-powered flushometers is provided with an override button to allow a Courtesy Flush® for individual user comfort.

► ELECTRICAL SPECIFICATIONS

Control Circuit

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

Indicator Lights

- Range Adjustment

Sensor Type

- Active Infrared

Battery Life

- 6 Years @ 4,000 flushes/month

Sensor Range

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

Battery Back-up Type

- (4) AA Alkaline

Sentinel Flush

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

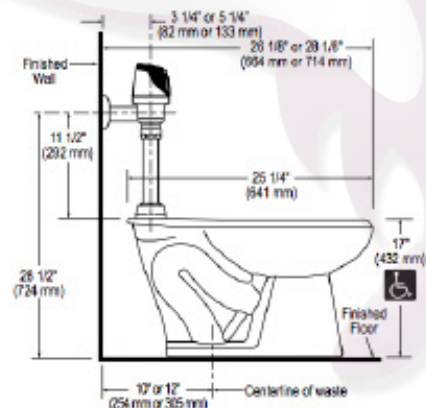
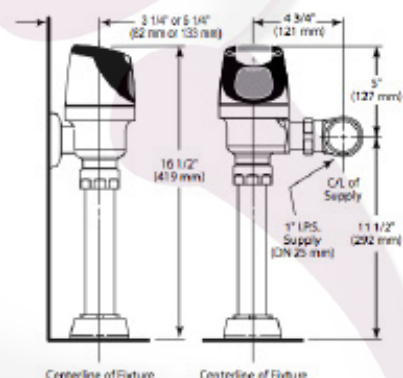


1. Infrared beam is reflected off the scanner window.
2. As the user enters the beam's effective range, the beam is reflected into the Scanner Window to activate the Output Circuit.
3. After the user steps away from the Sloan SOLIS® Flush Sensor, the circuit waits 3 seconds (to prevent false flushing) 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" - 42" (559 mm - 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.

► 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.