



► **Description**

Exposed, Solar Powered, Sensor Activated Sloan SOLIS® Model Retrofit Conversion Kit for Exposed Urinal Flushometers that includes a Valve Body with an Adjustable Ground Joint Tailpiece Connection. Designed to replace Coyne and Delany valves without replacing supply stop and vacuum breaker.

► **Flush Cycle**

- 0.25 gpf/0.95 Lpf
- 0.5 gpf/1.9 Lpf
- 1.0 gpf/3.8 Lpf
- 1.5 gpf/5.7 Lpf

► **Specifications**

Quiet, Exposed, SOLIS®, Solar Powered, Sensor Activated Urinal Flushometer Retrofit Conversion Kit for Adjustable Ground Joint Tailpiece Connection with the following features:

- 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).
- Four (4) Size AA Battery Back-up Power Source
- “Low Battery” Flashing LED
- PERMEX™ Synthetic Rubber Diaphragm with twin linear filtered bypass and vortex cleansing action
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- ADA Compliant Sloan Solis® Solar Powered Infrared Sensor for automatic “No Hands” operation
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- Engineered Metal Cover with replaceable Lens Window
- User friendly three (3) second Flush Delay
- Courtesy Flush™ Override Button
- Infrared Sensor Range Adjustment Screw
- Chrome Plated Handle Cap
- Initial Set-up Range Indicator Light (first 10 minutes)
- Valve Body with an adjustable Ground Joint Tailpiece
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flush Accuracy Controlled by CID™ Technology
- Diaphragm molded from PERMEX™ Rubber Compound for Chloramine resistance
- 100% of the energy used in manufacturing is offset with Renewable Energy Sources – Wind Energy

Valve Body shall be 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 and Military Specification V-29193. Installation conforms to ADA requirements.

► **Special Finishes**

- PB** Polished Brass (PVD Finish)
- GP** Gold Plate (PVD Finish)
- BN** Brushed Nickel (PVD Finish)
- SF** Satin Chrome

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



**RESS-XD-U** shown installed on an existing Ground Joint Sloan Flushometer.

**RESS-XD-U** units include a Flushometer Body with an Adjustable Ground Joint Tailpiece. Supply Stop and Vacuum Breaker are *NOT* supplied.



► **ADA Compliant**

► **Automatic Operation**

Sloan SOLIS® Solar powered Flushometers can also be activated via multi-lobular infrared sensor. Sloan’s SOLIS® Solar powered Flushometer is a breakthrough in design and function that transforms light into power. The SOLIS® Series of Flushometers provide the ultimate in conservation and performance.

► **Manual Operation**

Sloan SOLIS® Solar powered Flushometers incorporate a intuitive button design for easy manual activation. Straightforward graphics alert user to proper activation. To further educate the user, two (2) instructional wall plates are included with each Sloan Solis® Flushometer.

► **Functional & Hygienic**

Touchless, sensor operation eliminates the need for user contact to help control the spread of infectious diseases. The Sloan SOLIS® Solar powered Flushometers is provided with an Override Button to allow a “courtesy flush” for individual user comfort.

► **Warranty**

3 year (limited)



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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### ELECTRICAL SPECIFICATIONS

#### Control Circuit

- Solid State
- 6 VDC Input
- 8 Second Arming Delay
- 3 Second Flush Delay

#### Sloan Solis® Sensor Type

Active Infrared

#### Sloan Solis® Sensor Range

Nominal 22" - 42" (559 mm - 1067 mm), Adjustable ± 8" (203 mm)

#### Battery Back Up Type

(4) AA Alkaline

#### Battery Life

6 Years @ 4,000 Flushes/Month

#### Indicator Lights

Range Adjustment/Low Battery

#### Operating Pressure

15 - 100 psi (104 - 689 kPa)

#### Sentinel Flush

Once Every 72 Hours After the Last Flush

### Sloan SOLIS® Flush Volume For RESS-XD-U Retrofit Models

The Flush Volume of the Sloan SOLIS® Flush Valve is controlled by the Flex Tube Diaphragm Kit.

#### Reference Chart

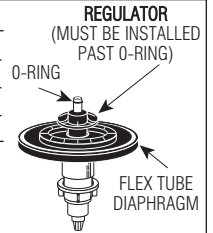
Fixture & Flush	Regulator Color
0.25 gpf (0.95 Lpf) Urinal	Black
0.5 gpf (1.9 Lpf) Urinal	Green
1.0 gpf (3.8 Lpf) Urinal	Green
1.5 gpf (5.7 Lpf) Urinal	Black

A 0.5 gpf (1.9 Lpf) Urinal Kit can be converted to a 1.0 gpf (3.8 Lpf) by cutting and removing the smooth A-164 Flow Ring from the Guide.

RESS valves are supplied with multiple Regulators to address multiple flushing applications. The product is shipped with it's lowest flush volume configuration. To convert the flush to a higher flushing volume, simply change the Regulator.

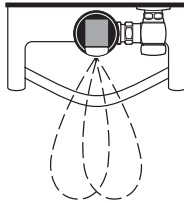
When installing a new Regulator on a Flex Tube Diaphragm Kit, be sure to push the Regulator past the O-ring when installing.

**Note:** Never use more water than needed. Low Consumption water urinals will not function properly on excess water.

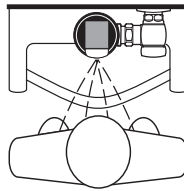


### OPERATION

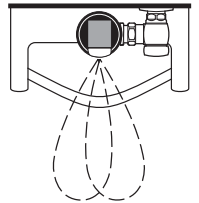
1. A continuous, invisible light beam is emitted from the SOLIS® Sensor.



2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the SOLIS® 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.

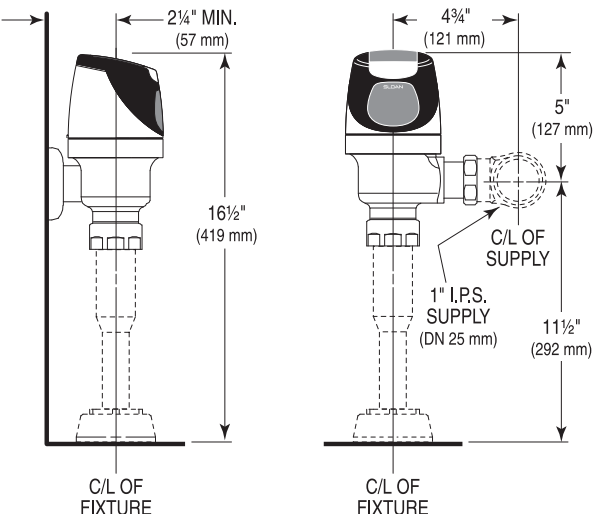


3. When the user steps away from the SOLIS® Sensor, the Sensor initiates an electrical signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.

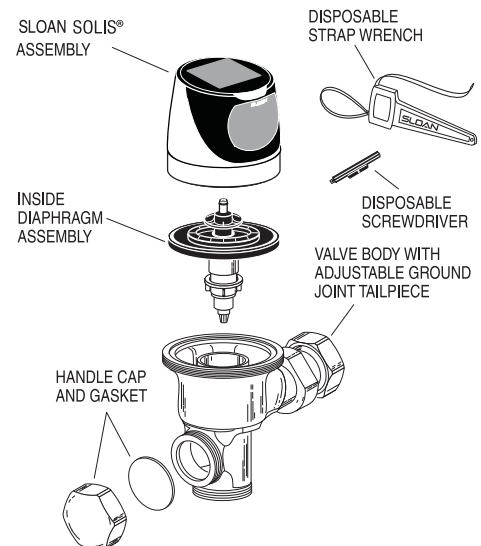


### VALVE ROUGH-IN

#### Model RESS-XD-U



**Note:** Lens Deflector is not needed for targeting children or wheel chair users.



**SLOAN VALVE COMPANY • 10500 SEYMOUR AVENUE • FRANKLIN PARK, IL 60131**

Phone: 1-800-982-5839 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380 • [www.sloanvalve.com](http://www.sloanvalve.com)