

► Code Number

3370051

► Description

Exposed, Solar Powered, Sensor Activated Sloan SOLIS® Model Retrofit Conversion Kit for Exposed Urinal Flushometers that incorporates a Valve Body with a Tailpiece Connection for Cambridge Brass Teck Valve Control Stop.

► Flush Cycle

Model 186-1 ES-S Low Consumption (1.0 gpf/3.8 Lpf)

► Specifications

Quiet, Exposed, Sloan Solis® Dual Flush, Solar Powered, Sensor Activated Urinal Flushometer Retrofit Conversion Kit with Cambridge Brass Teck Valve Tailpiece Connection with the following features:

- Flush Accuracy Controlled by CID Technology
- Initial Set-up Range Indicator Light (first 10 minutes)
- User friendly three (3) second Flush Delay
- "Low Battery" Flashing LED
- 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
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- Infrared Sensor Range Adjustment Screw
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- PERMEX® Synthetic Rubber Flex Tube Diaphragm with twin linear filtered bypass and vortex cleansing action
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- Engineered Metal Cover with replaceable Lens Window
- ADA Compliant Sloan Solis® Solar Powered Infrared Sensor for automatic "No Hands" operation
- Courtesy Flush® Override Button
- Chrome Plated Handle Cap
- Diaphragm molded from PERMEX® Rubber Compound for Chloramine resistance
- Valve Body with an Adjustable Ground Joint Tailpiece

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. Installation conforms to ADA requirements.



► 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.

► Accessories (Sold Separately)

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

► Compliance & Certifications



This space for Architect/Engineer Approval

► ELECTRICAL SPECIFICATIONS

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

8 Second Arming Delay

3 Second Flush Delay

Sensor Type

Active Infrared

Sensor Range

Nominal 22" - 42" (559 mm - 1067 mm), Adjustable $\pm 8"$ (203 mm)

Battery Back Up Type

(4) AA Alkaline

Battery Life

6 Years @ 4,000 flushes/month

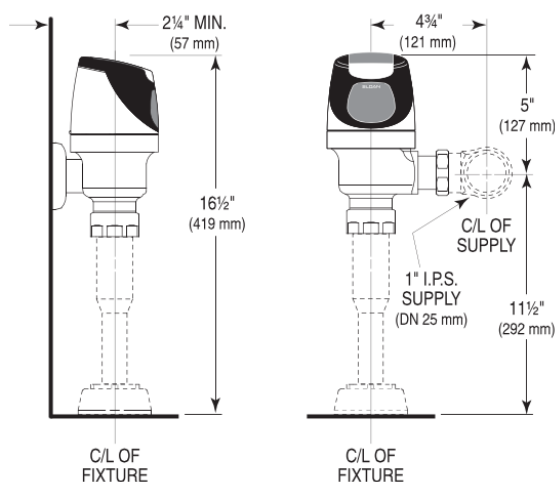
Indicator Lights

Range Adjustment

Operating Pressure

15 - 100 psi (104 - 689 kPa)

► ROUGH-IN



Model RESS-XDT-U

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

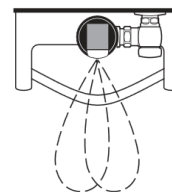


RESS-XDT-U shown installed in place of an existing Cambridge Brass Teck flush valve.

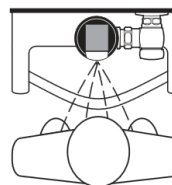
RESS-XDT-U units include a Flushometer Valve Body with a Tailpiece Connection for Cambridge Brass Teck Valve Supply Stop and a Vacuum Breaker. Supply Stop is NOT supplied.

► OPERATION

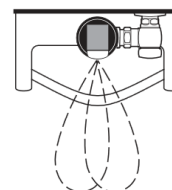
1. A continuous, invisible light beam is emitted from the SOLIS® Sensor.



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.



► Sloan SOLIS® Flush Volume For RESS-XDT-U Retrofit Models

Reference Chart

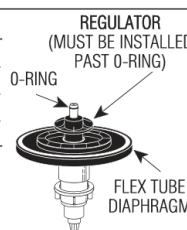
Fixture & Flush	Regulator Color
0.25 gpf (0.95 Lpf) Urinal	Black
0.5 gpf (1.9 Lpf) Urinal	Green
1.0 gpf (3.8 Lpf) Urinal	Green
1.5 gpf (5.7 Lpf) Urinal	Black

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.



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

