

► **Code Number**
10001411

► **Description**
Complete HEU system with Exposed, Hardwired, Sensor Activated Sloan ECOS® urinal Flushometer with Smart Sense Technology™ and vitreous china urinal.

► **Flush Cycle**
0.125 gpf/0.5 Lpf

► **SPECIFICATIONS**
Specifications

Quiet, Exposed, Chrome Plated Urinal flushometer for either left or right hand supply with the following features:

Urinal Specifications

- Wall hung vitreous china
- Washdown flushing action
- All mounting hardware included
- Integral flushing rim
- Carrier not included
- Vandal resistant strainer assembly included
- 2" NPT outlet flange
- 3/4" I.P.S. top spud inlet
- 100% factory flush tested
- Compliant to the applicable sections of ASME A112.19.2/CSA B45.1
- Compliant with Buy American Act when purchased as a combination

Flushometer Specification

- Latching Solenoid Operator
- Courtesy Flush® Override Button
- User Friendly Three (3) Second Flush Delay
- Sensor with automatic range adjustment
- 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
- Free spinning, Vandal Resistant Stop Cap
- 3/4" I.P.S. Screwdriver Bak-chek® angle Stop
- Spud coupling and flange for 3/4" top Spud
- Reduces water usage up to 80% over standard sensor urinal
- Synthetic rubber seals for chloramine resistance
- Stop seat and vacuum breaker to be molded from PERMEX® rubber compound for chloramine resistance

ADA compliant Sloan ECOS® Hardwired Infrared Sensor for automatic "No Hands" operation

- Line Powered with 6 VAC Step Down Transformer
- High Efficiency cartridge assembly
- Patented D598,974
- Flush accuracy controlled by CID® technology
- Infrared Sensor with Multiple-focused, Lobular Sensing fields for high and low target detection



► **FEATURES**
Automatic

Sloan ECOS® Hardwire Electronic Flushometers are activated via multi-lobular infrared sensor. Sloan ECOS® Electronic Urinal Flushometers are available without an override button to eliminate unnecessary casual activation. By detecting user presence and duration, the Sloan ECOS® Hardwire Smart Sense Technology™ will determine the proper flush volume for unequalled water efficiency.

Functional & Hygienic

Touchless, sensor operation eliminates the need for user contact to help control the spread of infectious diseases. The Sloan ECOS® Electronic Flushometers are provided with Override Buttons to allow a "courtesy flush" for individual user comfort.

Smart Sense Technology

The Sloan ECOS® Hardwire Flushometer is equipped with Smart Sense Technology™ which applies extended range and logic techniques to significantly reduce water usage in high use urinal applications

► **Compliance & Certifications**
ASME A112.1.3



► **Note**

Plumbing System Requirements

Minimum Flowing Pressure: 25 PSI / Minimum Flow Rate: 18 GPM /
Maximum Fixture Static Pressure: 80 PSI

- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange with Set Screw

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

► ELECTRICAL SPECIFICATIONS

Control Circuit

Solid State

8 Second Arming Delay

3 Second Flush Delay

120 VAC Input

4.5 VAC Output

Sensor Type

Active Infrared

Sensor Range

Adjustable $\pm 8"$ (203 mm)

Nominal 15"-30" (381 mm-762 mm), adjustable $\pm 8"$ (203 mm)

Transformers

Sloan Part #EL-451 (Box Mount) 120 VAC, 50/60 Hz Primary 6 VAC, 50/60 Hz Secondary Class II, 25 VA.

Sloan Part #EL-386 (Plug-in) 120 VAC, 50/60 Hz Primary 6 VAC, 50/60 Hz Secondary Class II, 3 VA.

Indicator Lights

Range Adjustment

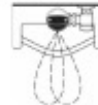
Operating Pressure

15 - 100 psi (104 - 689 kPa)

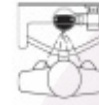
Sentinel Flush

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

► OPERATION



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



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

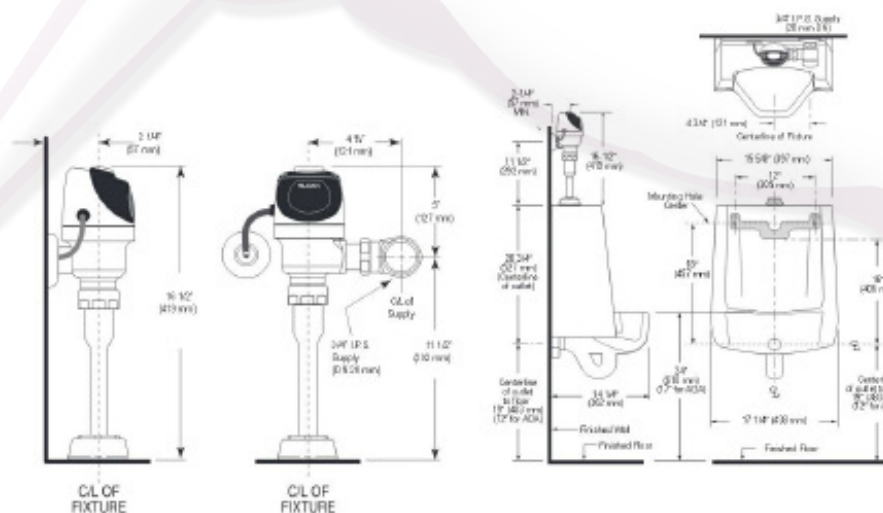


3. When the user steps away from the Sloan ECOS® Sensor, the Sensor initiates an electrical signal that operates the Solenoid. this initiates the flushing cycle to flush the fixture. the circuit then automatically resets and is ready for the next user.

► WIRING DIAGRAM



One 25 VA Transformer serves up to six ECOS® units.



All information contained within this document subject to change without notice.

NOTE: All vitreous china dimensions shown in these drawings are nominal and not to scale. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. It is important to consider this when planning rough-in and plumbing layouts.