

111-1.28 HW

Description

Exposed, Hardwire, sensor-activated Sloan ECOS® Hardwire high-efficiency water closet flushometer.

Flush Cycle

Model 111-1.28 High Efficiency (1.28 gpf/4.8 Lpf)

Specifications

Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer for either left or right hand supply (includes 9" electrical cable, right hand electrical rough-in may require 18" cable – consult factory) with the following features:

- 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 ECOS® Electronic Line 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
- Line Powered with 6 VAC Step Down Transformer
- Infrared Sensor Range Adjustment Screw
- Initial Set-up Range Indicator Light (first 10 minutes)
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Free Spinning, Vandal Resistant Stop Cap
- Adjustable Tailpiece
- High Back Pressure Vacuum Breaker Flush Connection with One-piece Bottom Hex Coupling Nut
- Spud Coupling and Flange for 1½" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange with Set Screw
- 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, Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine resistance

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.

Special Finishes

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

Accessories

- EL-386** Transformer Plug (120 VAC/6 VAC)
- EL-451** Transformer Box (120 VAC/6 VAC 25VA)

See Accessories Section and Sloan ECOS® Electronic Accessories Section of the Sloan catalog for details on these and other Sloan ECOS® Electronic flushometer variations.

Fixtures

Consult Sloan for matching Sloan brand fixture options.



Automatic

Sloan ECOS® Flushometers activate via multi-lobular sensor detection to provide the ultimate in sanitary protection and automatic operation.

Functional & Hygienic

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

Warranty

3 year (limited)

Patented

D598,974

This space for Architect/Engineer approval	
Job Name _____	Date _____
Model Specified _____	Quantity _____
Variations Specified _____	
Customer/Wholesaler _____	
Contractor _____	
Architect _____	

Description

Exposed, Hardwire, Sensor Activated Sloan ECOS® Hardwire High Efficiency Water Closet Flushometer.

Flush Cycle

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ELECTRICAL SPECIFICATIONS

Control Circuit

Solid State
6 VAC Input
4.5 VAC Output
8 Second Arming Delay
3 Second Flush Delay

Sloan ECOS® Sensor Type

Active Infrared

Sloan ECOS® Sensor Range

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

Indicator Lights

Range Adjustment

Operating Pressure

15 - 100 psi (104 - 689 kPa)

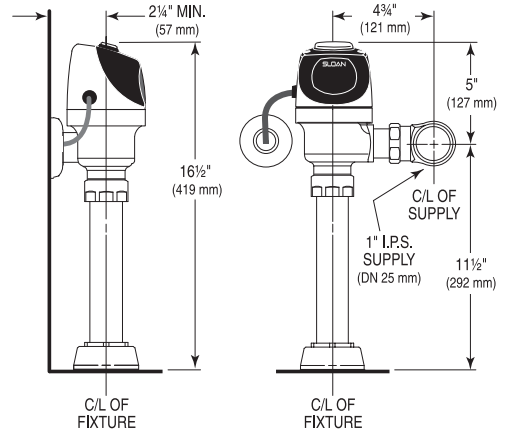
Sentinel Flush

Once Every 72 Hours After the Last Flush

Transformers

Sloan Part No. EL-386
120 VAC, 60 Hz Primary
6 VAC, 60 Hz Secondary
Class II, 1/2 Amp - Plug-in Style

Sloan Part No. EL-451
120 VAC, 60 Hz Primary
6 VAC, 60 Hz Secondary
Class II, 25 VA - Box Style

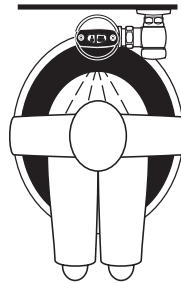


OPERATION

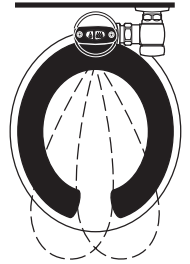
1. A continuous, invisible light beam is emitted from the Sloan ECOS® Sensor.



2. As the user enters the beam's effective range (22" to 42") 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.

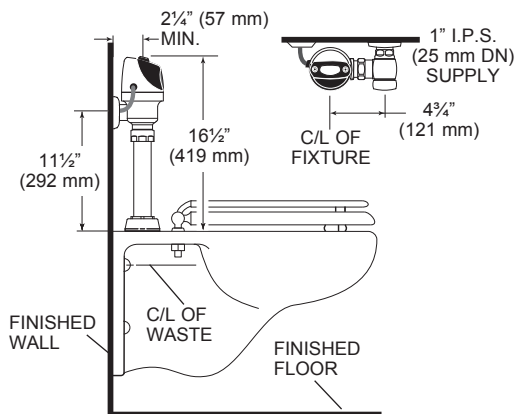


3. When the user steps away from the Sloan ECOS® Sensor, the circuit waits 3 seconds (to prevent false flushing) then initiates an electrical signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.



VALVE ROUGH-IN

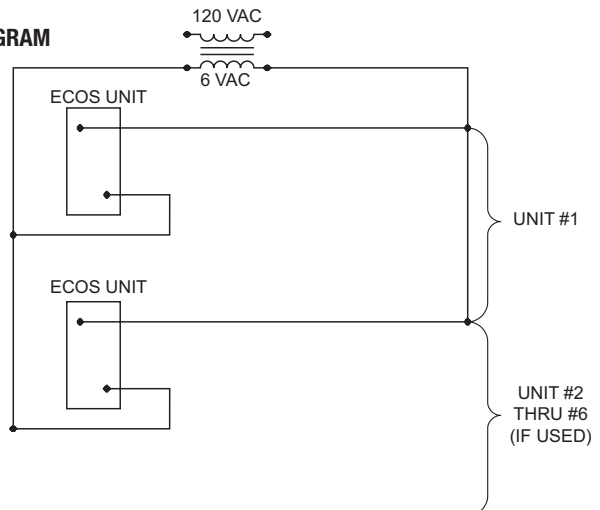
Model 111



When installing the Sloan ECOS® Hardwire in a handicap stall:

Per the ADA Guidelines (section 604.9.4) it is recommended that the grab bars be split or shifted to the wide side of the stall.

WIRING DIAGRAM



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