SLOAN® ECOS

MODEL
8113-1.6/1.1
Electronic Dual Flush

Description
Exposed, Battery Powered, Sensor Activated Sloan ECOS® Electronic Dual Flush Model Water Closet Flushometer for floor mounted or wall hung top spud bowls.

Flush Cycle
Full Flush (Large Button – 1.6 gpf/6.0 Lpf), Reduced Flush (Small Button – 1.1 gpf/4.2 Lpf)

Specifications
Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer for either left or right hand supply with the following features:

- 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 Flex Tube Diaphragm with twin linear filtered bypass and vortex cleansing action designed for improved life and reduced maintenance
- ADA Compliant Sloan ECOS® Electronic Dual Flush Battery Powered Infrared Sensor for automatic "No Hands" operation
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection with range adjustment screw
- Latching Solenoid Operator
- Engineered Metal Cover with replaceable Lens Window
- User friendly three (3) second Flush Delay
- Courtesy Flush™ Override Button
- Four (4) Size AA Batteries factory installed
- "Low Battery" Flashing LED
- 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
See Accessories Section and Sloan ECOS® Accessories Section of the Sloan catalog for details on these and other Sloan ECOS® Electronic Flushometer variations. The Model 8113 valve is designed for installations where toilet seats with covers are being used.

Fixtures
Consult Sloan for Sloan brand matching fixture options.

HET HIGH-EFFICIENCY TOILET

Buy American Act Compliant

ADA Compliant

Manual Operation
Sloan ECOS® Electronic Dual Flush Flushometers incorporate intuitive Split-button design for easy manual activation. The small button controls the *reduced* flush cycle (1.1 gpf/4.2 Lpf), the large button controls the *full* flush cycle (1.6 gpf/6.0 Lpf). Straightforward graphics alert user to proper activation. The *reduced* flush for liquid waste or *full* flush for solid waste. To further educate the user, two (2) instructional wall plates are included with each Sloan ECOS® Flushometer.

Automatic Operation
Sloan ECOS® Electronic Dual Flush Flushometers can also be activated via multi-lobular infrared sensor. By detecting user presence and duration, the Sloan ECOS® 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 Dual Flush Flushometers are provided with Reduced or Full Flush Override Buttons to allow a "courtesy flush" for individual user comfort.

Warranty
3 year (limited)

Patented
D598,976

EPA GREEN POWER PARTNER
Sloan Valve Company is buying renewable energy certificates to meet 100% of the company's purchased electricity use at its Franklin Park, Illinois facility.

Listed by I.A.P.M.O.

LISTED 376U

Made with Renewable Energy

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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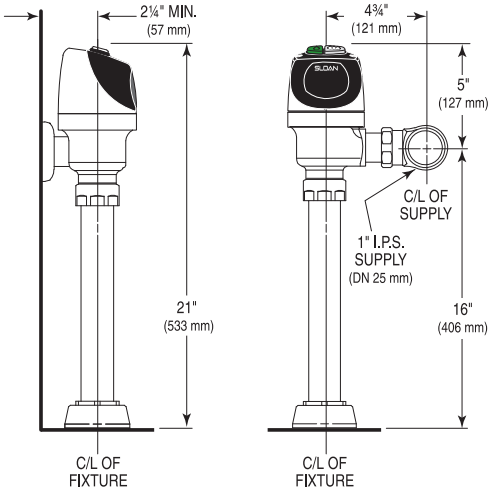


ELECTRICAL SPECIFICATIONS

Control Circuit
Solid State
6 VDC Input
8 Second Arming Delay
3 Second Flush Delay

Sloan ECOS® Dual Flush Sensor Type
Active Infrared

Sloan ECOS® Dual Flush Sensor Range
Nominal 22" - 42" (559 mm -1067 mm), Adjustable ± 8" (203 mm)

Battery Type
Four (4) AA Alkaline

Battery Life
Three (3) Years @ 4,000 Flushes/Month

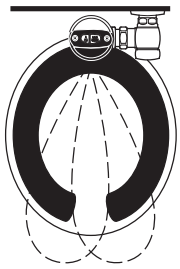
Indicator Lights
Range Adjustment/Low Battery

Operating Pressure
15 - 100 psi (104 - 689 kPa)

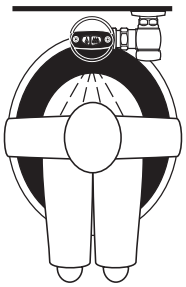
Sentinel Flush
Once Every 72 Hours After the Last Flush

OPERATION

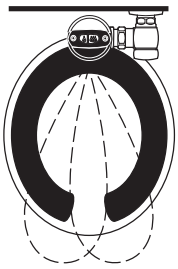
1. A continuous, invisible light beam is emitted from the Sloan ECOS® Dual Flush Sensor.



2. As the user enters the beam's effective range, 22" - 42" (559 mm to 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.

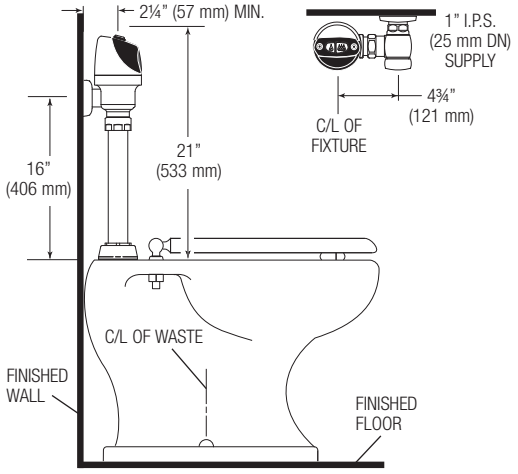


3. Once a user is detected, if the user leaves in 65 seconds or less, a reduced flush will automatically initiate. The circuit automatically resets and is ready for the next user.



VALVE ROUGH-IN

Model 8113



The Model 8113 valve is designed for installations where toilet seat with covers are being used.

When installing the Sloan ECOS® Electronic Dual Flush 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.

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

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