SLOAN®

ECOS Electronic Dual Flush

Description
Battery Powered, Sensor Activated ECOS™ Electronic Dual Flush Model Retrofit Conversion Kit for Exposed Closet Flushometers.

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

The RESS-C is furnished with two Flush Regulators.
The product is shipped with the 1.6 gpf/6.0 Lpf Regulator installed.
Change Regulator to convert to a 3.5 gpf/13.2 Lpf flush.

Specifications
Quiet, Exposed, ECOS™ Electronic Dual Flush, Battery Powered, Sensor Activated Closet Flushometer Retrofit Conversion Kit for Sloan **Royal®**, **Regal Pro®** and **Regal®** Flushometers 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 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 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
- 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
- Infrared Sensor Range Adjustment Screw
- Initial Set-up Range Indicator Light (first 10 minutes)
- Chrome Plated Metal Handle Cap
- Installation Tools provided
- Diaphragm molded from PERMEX™ Rubber Compound for Chloramine resistance
- 100% of the energy used in manufacturing is offset with Renewable Energy Sources – Wind Energy

Variations
☐ Z Locking Ring for Zurn® Flush Valve Bodies

Special Finishes
☐ PB	Polished Brass (PVD Finish)
☐ GP	Gold Plate (PVD Finish)
☐ BN	Brushed Nickel (PVD Finish)
☐ SF	Satin Chrome

See Accessories Section and ECOS™ Accessories Section of the Sloan catalog for details on these and other ECOS™ Electronic Dual Flush Flushometer variations.

RESS-C shown installed on an existing Sloan Flushometer.

RESS-C units do *NOT* include a Valve Body, Supply Stop or Vacuum Breaker.

Made with Renewable Energy

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. Reduced flush for liquid waste, 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)

UL® Listed CSA® Certified

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
(4) AA Alkaline

Battery Life
3 Years @ 4,000 Flushes/Month

Indicator Lights
Range Adjustment/Low Battery

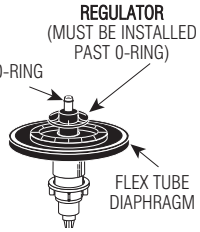
Operating Pressure
15 - 100 psi (104 - 689 kPa)

Sentinel Flush
Once Every 72 Hours After the Last Flush

ECOS™ Electronic Dual Flush Flush Volume For RESS-C Retrofit Models

The Flush Volume of the ECOS™ Electronic Dual Flush Valve is controlled by the Regulator in the Flex Tube Diaphragm Kit. Regulators are identified by color.

Reference Chart		
Fixture & Flush		*Regulator Color*
1.6 gpf (6.0 Lpf)	Closet	Green
3.5 gpf (13.2 Lpf)	Closet	White
4.5 gpf (17.0 Lpf)	Closet	White
2.4 gpf (9.0 Lpf)	Closet	Blue



Notes: *For a 4.5 gpf (17.0 Lpf) Water Closet flush, use the EBV-1020-A kit with the White Regulator. Cut and remove the A-164 Flow Ring from the Guide.*

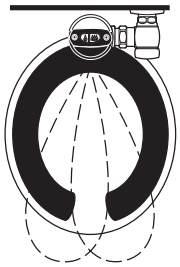
RESS-C ECOS™ Electronic Dual Flush Valves are supplied with multiple Regulators to address multiple flushing applications. The product is shipped with it's lowest flush volume configuration. To convert the flush to a higher flushing volume, simply change the Regulator.

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

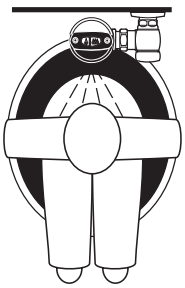
Note: *Never use more water than needed. Low Consumption water closets and urinals will not function properly on excess water.*

OPERATION

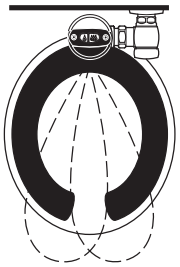
1. A continuous, invisible light beam is emitted from the Sloan ECOS™ Dual Flush Sensor.



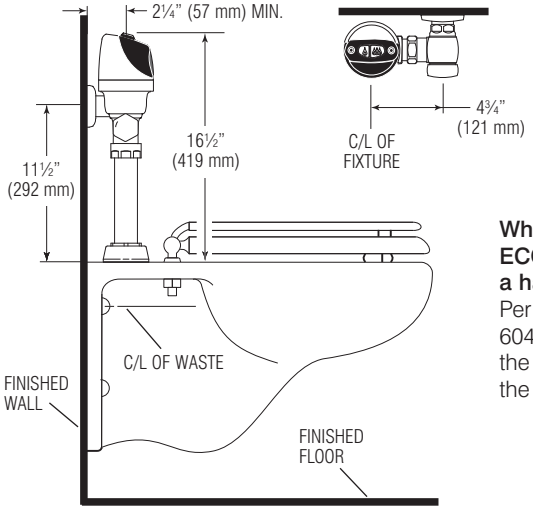
2. As the user enters the beam's effective range, 22 to 42 inches (559 mm to 1067 mm), the beam is reflected into the Scanner Window to activate the Output Circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the sensor. If the user stays longer than 65 seconds, a full flush will automatically initiate when the user leaves.



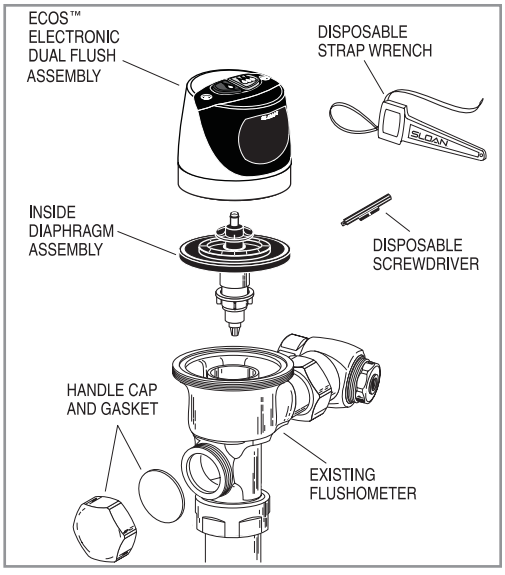
3. Once a user is detected, if the user leaves in 65 seconds or less, a reduced flush will automatically initiate. The circuit automatically resets and is ready for the next user.



VALVE ROUGH-IN



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.



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