

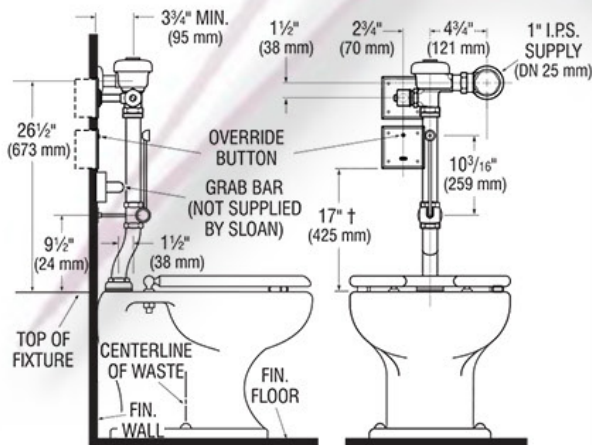


#### ▶ Contractor-friendly Packaging

Installation time is reduced by packaging rough-in components and finishing components separately. In addition, all main valve components and subassemblies are factory assembled requiring less field assembly of the valve on the job site.

Components are packaged as follows:

- Stops and Supply Kits, packaged separately — 6 per package
- Fully assembled Valve, packaged with complete Vacuum Breaker Assembly and Flange Kit — 2 per package



† Position of Sensor Box can be raised or lowered 1" (25 mm) if in conflict with Handicap Grab Bars.

## Sloan Bedpan BPW-1150 ES-S Washer Model Flushometer

#### ▶ Description

Exposed, Sensor Activated Sloan® Bedpan Washer Water Closet Flushometer, for floor mounted or wall hung top spud bowls. For installation where clearance is required around Grab Bars. Installation meets ADA height requirements.

#### ▶ Flush Cycle

- Model BPW 1150 ES-S Water Saver (3.5 gpf/13.2 Lpf)
- Model BPW-1150-1.6 ES-S Low Consumption (1.6 gpf/6.0 Lpf)

#### ▶ Variations

- **DFB** Dual Filtered Fixed Bypass Diaphragm

#### ▶ Specifications

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

- High Chloramine Resistant PERMEX™ Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action™
- OPTIMA® EL-1500-L Self-Adaptive Infrared Sensor with Indicator Light
- User friendly three (3) second Flush Delay
- Courtesy Flush™ Override Button
- Non-Hold-Open Integral Solenoid Operator
- Two (2) Chrome Plated Wall Cover Plates (for 2-gang Electrical Box) with Vandal Resistant Screws
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Vandal Resistant Stop Cap
- Adjustable Tailpiece
- 1 1/2" Offset Flush Tube
- Spud Coupling and Spud Flange for 1 1/2" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Low Consumption flush accuracy
- Stop Seat and Vacuum Breaker Molded from PERMEX™ Rubber Compound for Chloramine Resistance

Bedpan Washer Diverter Assembly with the following features:

- Solid One-piece Body Construction
- Solid Brass Spray Arm
- Counter Balanced Pivot Assembly
- Diverter Valve Wall Support
- Offset Flush Connection for clearance around Grab Bar installations

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, ANSI/ASME A112.19.2, and Military Specification V-29193.

#### ▶ Accessories

- **EL-154** Transformer (120 VAC/24 VAC, 50 VA)

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



# BPW-1150 ES-S

## ► Description

Exposed, Sensor Activated Sloan® Bedpan Washer Water Closet Flushometer, for floor mounted or wall hung top spud bowls. For installation where clearance is required around Grab Bars. Installation meets ADA height requirements.

## ► Flush Cycle

- Model BPW-1150 ES-S Water Saver (3.5 gpf/13.2 Lpf)
- Model BPW-1150-1.6 ES-S Low Consumption (1.6 gpf/6.0 Lpf)

## ELECTRICAL SPECIFICATIONS

### ► Control Circuit

Solid State  
24 VAC Input  
24 VAC Output  
8 Second Arming Delay  
3 Second Flush Delay  
24 Hour Sentinel Flush

### ► OPTIMA Sensor Range

Nominal 22" - 42" (559 mm - 1067 mm)  
Self-adaptive Window ± 10" (254 mm)

### ► Solenoid Operator

24 VAC, 50/60 Hz

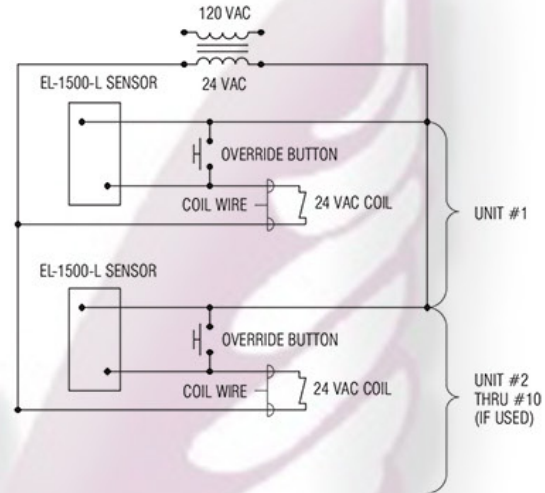
### ► Transformer

Sloan Part #EL-154  
120 VAC, 50/60 Hz Primary  
24 VAC, 50/60 Hz Secondary  
Class II, UL Listed, 50 VA.

Sloan Part #EL-342

240 VAC, 50/60 Hz Primary  
24 VAC, 50/60 Hz Secondary  
Class II, UL Listed, 50 VA.

## WIRING DIAGRAM



One Transformer serves up to ten (10) OPTIMA Closet/Urinal Flushometers. Specify number of transformers required accordingly.

## OPERATION

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



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



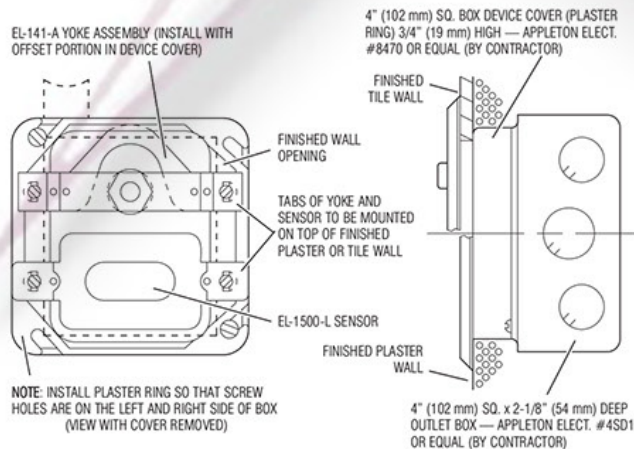
3. When the user steps away from the OPTIMA Sensor, the circuit waits 3 seconds (to prevent false flushing) then initiates an electrical "one-time" signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next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



## ELECTRICAL BOX INSTALLATION

### SENSOR LOCATION AND POSITIONING IS CRITICAL

Failure to properly position the electrical boxes to the plumbing rough-in will result in improper installation and impair product performance. All tradesmen (plumbers, electricians, tile setters, etc.) involved with the installation of this product must coordinate their work to assure proper product installation.



NOTE: INSTALL PLASTER RING SO THAT SCREW HOLES ARE ON THE LEFT AND RIGHT SIDE OF BOX (VIEW WITH COVER REMOVED)

To ensure a perfect rough-in, Sloan recommends the use of the EL-485-A Flushometer Electrical Box Positioning and Support Kit. Specify and order the EL-485-A Kit separately. Consult factory for installation details.



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