BASYS® Low Integrated Base Faucet
EFX-650.002.0000

▶ Code Number
3324065

▶ Description
Battery powered, infrared, sensor activated, electronic, chrome plated die cast body, hand washing faucet for pre-tempered or hot and cold water operation.

▶ Flow Rates
1.5 gpm / 5.7 Lpm – Spray Head

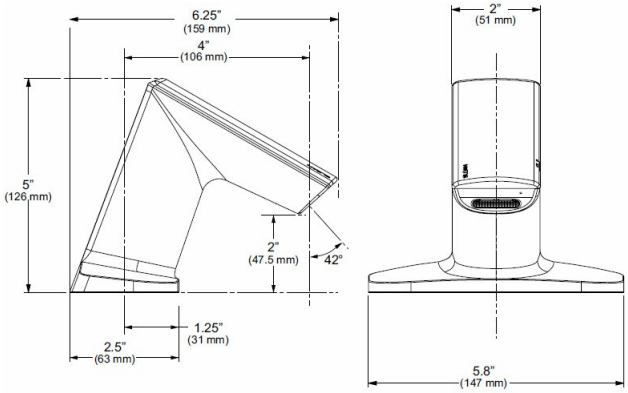
▶ Specifications
Battery Powered, Sensor Activated, Electronic, Chrome Plated Die Cast Body, Hand Washing Faucet with the following features:

- Above deck solenoid valve
- One tool service
- All wetted components to be stainless steel, engineered thermoplastic, EPDM, and copper or copper alloy
- Solenoid housed in removable carrier that includes supply strainer
- Integral above deck water supply shut off
- Supply strainer serviceable from above deck
- Vandal resistant spray insert, key housed inside faucet body
- All electronics sealed to IP-67
- Gold plated electrical contacts
- Above deck individual diagnostic indicators for battery life, solenoid condition, and power up mode
- Flexible, high pressure supply hose, 3/8" compression connection (NOTE: Only single supply)
- Four (4) "AA" alkaline batteries
- Double infrared sensors with automatic setting feature
- Integral 4-inch base for ultimate anti-rotation
- Includes all mounting hardware
- Line purge mode, eliminates stagnant water
- Adjustable time-outs and sleep/cleaning mode
- High temperature auto shut-off (LCD models)
- Faucet can be configured to add solar and/or LCD display
- LCD display of water temperature and scrub time, optional
- Line powered using a variety of voltage adapters (batteries act as a backup)
- Thermostatic, below deck for ASSE 1070 compliance, optional
- Bi-stable Magnetic Solenoid Valve

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



EFX-650.000.0000 Shown



EFX-650.000.0000 Shown

▶ BASYS Spec Language
Sloan BASYS Model No. EFX-650.____._____ Infrared Sensor Activated Electronic Handwashing Faucet for pre-tempered or hot/cold water supplies. Solenoid valve housed in removable carrier that closes water supply upon removal, eliminating need to access control stops. Solenoid carrier includes mesh filter for easy access and service without disconnecting the supply lines. Thermostatic mixer ordered separately to comply with ASSE 1070 requirements. The product shall be tested and certified to industry standards: ASME A112.18.1M, CSA B125.1, California Health and Safety Code 116875 (AB1953-2006), and Vermont Bill S.152. This product meets ADA ANSI/ICC A117.1 requirements.

▶ Compliance & Certifications
LOW-LEAD UPC C ®

This space for Architect/Engineer Approval

SLOAN 10500 SEYMOUR AVE. ● FRANKLIN PARK, ● IL. 60131
Ph: 1-800-9-VALVE-9 or 1-847-671-4300 ● Fax: 1-800-447-8329 or 1-847-671-4380 ● http://www.sloan.com

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▶ ELECTRICAL SPECIFICATIONS

Control Circuit
- 6.75 VDC

Battery Life
- 5-years under worst case conditions of 8,000 cycles per month and high water pressure. Optional power harvesting may extend service life of batteries to equal the shelf life.

Sensor Range
- Nominal: 4" - 5" (102 mm - 127 mm)
- Faucet Adaptive Self-Adjustment Range: 1"-6" (25 mm-150 mm)

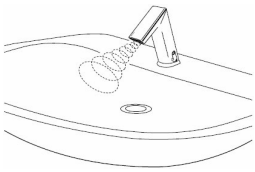
Solenoid Valve
- Filtered Solenoid Valve with Serviceable Strainer Filter

Power Supplies
- 6 VDC Solar Energy Module with 6 VDC Alkaline Battery Pack
- 120 VAC/6.75 VDC Voltage Adapter (Option) Batteries Act as Back-up Shown with EFX-600.000.0000

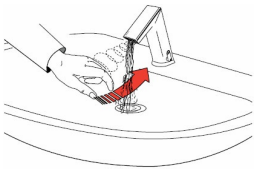
Optional Voltage Adapter
- 120 VAC – 50/60 Hz, 6 VDC

Time Out Setting
30 seconds — Maximum time faucet will run upon continuous detection

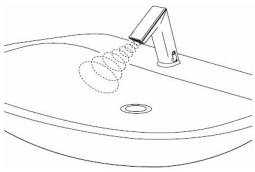
▶ OPERATION



1. A continuous, invisible light beam is emitted from the sensor located at the front of the hand washing faucet.

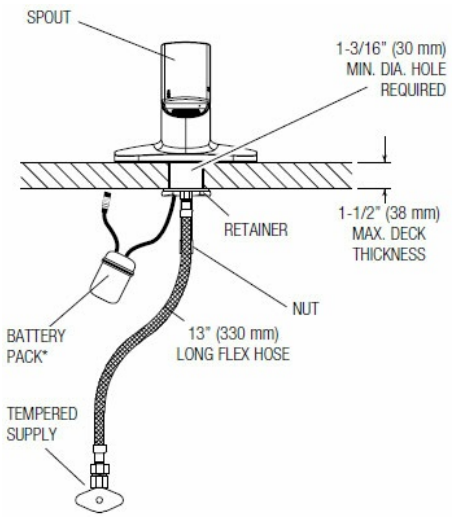


2. As the user's hands enter the beam's effective range, the beam is reflected back into the sensor receiver and activates the solenoid valve allowing water to flow from the faucet. Water will flow until the hands are no longer sensed or until the faucet reaches its automatic time out limit setting.

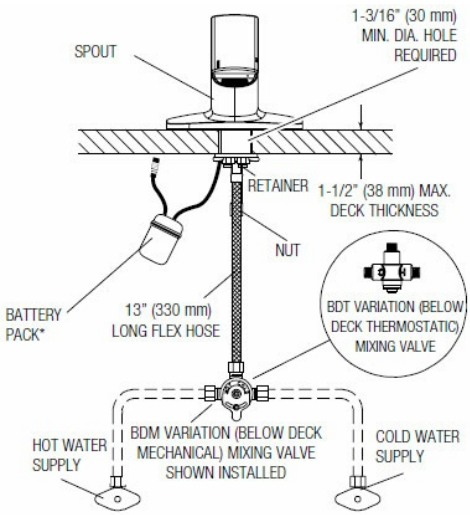


3. When hands are moved away from the sensor, the loss of reflected light initiates an electrical signal that closes the solenoid valve shutting off the water flow. The circuit then automatically resets and is ready for the next user.

▶ ROUGH-IN



EFX-650.X0X.0000 Faucet with Single Line Water Supply



EFX-650.10X.0010 Faucet with Hot and Cold Water Supply

* One (1) Faucet Per Battery Pack

If a connection to separate hot and cold water supplies is desired, then a Bak-Chek® tee fitting (not supplied) must be used prior to connecting to the faucet.