

ETF-880

► Description

Sensor Activated Electronic Hand Washing Faucet with Metal Throat Plate, for tempered or hot/cold water operation.

► Flow Rate

☐ 0.5 gpm/1.9 Lpm Vandal Resistant Spray Head
(See Accessories for other Spray Head options)

► Specifications

ADA Compliant, Sensor Activated, 24 VAC, Chrome Plated Brass, Hand Washing Faucet with the following features:

- Splash-proof Circuit Control Module
- Sensor Range Adjustment Screw
- Troubleshooting LED Indicator Lights
- User Friendly Variable Time Out Settings
- Filtered Solenoid Valve with serviceable "Y" Strainer Filter
- Chrome Plated Metal Throat Plate
- Bak-Chek[®] Tee for Hot/Cold Supply
- Trim Plate with Anti-Rotation Pin (specify 4" or 8")
- 120 VAC/24 VAC Transformer (specify Plug-in or Box Mount)
- Vandal Resistant Spray Head with Pressure Compensating Flow Control
- Metal Jacketed Wire Protection for Sensor and Solenoid Leads
- Modular Quick-Release Sensor and Solenoid Connections

► Variations

(Add suffix to Model Number for inclusion with Faucet)

• Trim Plate (must be specified)

- ☐ -4 Trim Plate for 4" Centerset Sink
☐ -8 Trim Plate for 8" Centerset Sink

• Transformer Type (must be specified)

- ☐ P Plug-in Transformer (furnished with ETF-233)
☐ B Box Mount (furnished with EL-248-40)
☐ LT Less Transformer
(specify Transformer separately - See Accessories)

• Temperature Mixing Valves (optional)

- ☐ ADM Above Deck Mechanical Mixing Valve
☐ BDM Below Deck Mechanical Mixing Valve
☐ BDT Below Deck Thermostatic Mixing Valve

Bak-Chek[®] Tee not required or provided when a Temperature Mixing Valve is included with the faucet.

Consult Factory for Finish Variations

► Accessories (Specify separately)

• Transformers

- ☐ ETF-233 120 VAC/24 VAC, 50/60 Hz (35 VA) - Plug-in
(will operate up to 2 faucets)
☐ EL-248-40 120 VAC/24 VAC, 50/60 HZ (40 VA) - Box Mount
(will operate up to 2 faucets)
☐ EL-154 120 VAC/24 VAC, 50/60 Hz (50 VA) - Box Mount
(will operate up to 3 faucets)
☐ EL-208 120 VAC/24 VAC, 50/60 HZ (100 VA) - Foot Mount
(will operate up to 6 faucets)
☐ EL-342 240 VAC/24 VAC, 50/60 Hz (50 VA) - Box Mount
(will operate up to 3 faucets)

• Vandal Resistant Spray Heads

- ☐ ETF-1028-A 1.5 gpm/5.7 Lpm Laminar Flow Spray Head
(recommended for medical applications)

• Grid Strainer

- ☐ ETF-460-A Chrome Plated Brass Grid Strainer w/1¼" Outlet Tube

See OPTIMA Accessories Section of the Sloan Catalog for a complete listing of OPTIMA Faucet Accessories and Variations.



► ADA Compliant

► Automatic

The Sloan OPTIMA[®] ETF-880 Electronic Hand Washing Faucet operates by means of an infrared sensor. Once the user enters the sensor's effective range, the Solenoid activates the water flow. Tempered water flows from the Faucet until hands are moved away. The Faucet then automatically shuts off.

► Hygienic

The ultimate in sanitary protection — there are no handles to turn or buttons to push. Helps to control the spread of infectious diseases. High style design makes the ETF-880 ideal for upscale public rest rooms.

► Economical

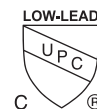
Automatic operation provides water usage savings over other faucet devices. Reduces maintenance and operation costs.

► Warranty

3 year (limited)

► Compliant to:

ASME A112.18.1M



This product may contribute to LEED credits. See details on LEED calculation worksheet.

This space for Architect/Engineer approval

Job Name _____	Date _____
Model Specified _____	Quantity _____
Variations Specified _____	
Customer/Wholesaler _____	
Contractor _____	
Architect _____	

ETF-880

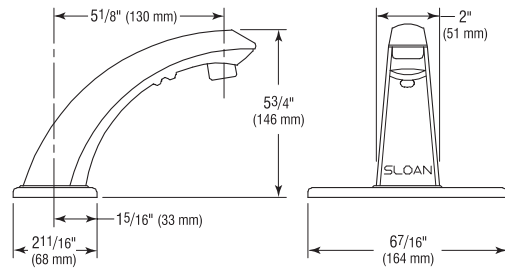
Description

Sensor Activated Electronic Hand Washing Faucet with Metal Throat Plate, for tempered or hot/cold water operation.

Flow Rate

☑ 0.5 gpm/1.9 Lpm Vandal Resistant Spray Head
(See Accessories for other Spray Head options)

FAUCET DIMENSIONS (Shown with 4" Trim Plate)



ELECTRICAL SPECIFICATIONS

Control Circuit

24 VAC Input/Output, 50/60 Hz,
Adjustable Range Time Out Settings,
Modular Plugs and Troubleshooting LED
Indicators.

OPTIMA® Sensor Range

Factory Set: 4" - 5" (102 mm - 127 mm)
Adjustable: 1" - 8" (25 mm -
203 mm) — Adjustability dependent
upon depth and reflectivity of basin.

Solenoid Valve

24 VAC, 50/60 Hz with Integral "Y"
Strainer Filter, 3/8" NPT Inlet/Outlet.

Time Out Adjustment Settings

3, 6, 12, 30 & 45 seconds; 1, 3 & 20
minutes. The Faucet Time Out Setting
determines the maximum time the
faucet will run upon continuous
activation. This timing can be changed
to meet individual application
requirements. Unless otherwise
specified the ETF-880 is factory set at
the 30 second time out.

Transformer

All Sloan Transformers are 50/60 Hz.

Multiple faucets can be powered by a single transformer, provided that the
transformer has been properly sized. Allow a minimum of 15 VA of current rating
for each faucet being used.

Plug-in	ETF-233	120 VAC/24 VAC - 35 VA (supplied with "P" variation)
Box Mount	EL-248-40	120 VAC/24 VAC - 40 VA (supplied with "B" variation)
Box Mount	EL-154	120 VAC/24 VAC - 50 VA
Foot Mount	EL-208	120 VAC/24 VAC - 100 VA
Box Mount	EL-342	240 VAC/24 VAC - 50 VA

Max. Distance Control Module may be Installed from Spout
With Standard Cable: 12" (305 mm)

Extension Cables (Optional)

From Sensor to Control Module:		From Solenoid Valve to Control Module:	
ETF-1005-26	26" (660 mm)	ETF-1003-36	36" (914 mm)
ETF-1005-36	36" (914 mm)	ETF-1003-48	48" (1219 mm)
ETF-1005-72	72" (1829 mm)	ETF-1003-72	72" (1829 mm)
ETF-1005-108	108" (2743 mm)	ETF-1003-108	108" (2743 mm)

OPERATION

1. A continuous, invisible light
beam is emitted from the
OPTIMA® Sensor located on
the throat of the lavatory
faucet.



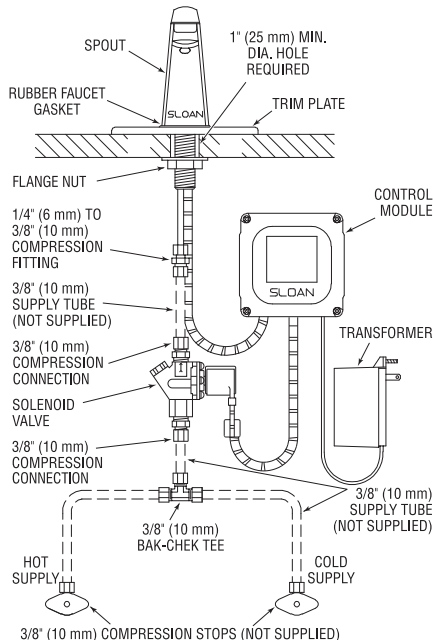
2. As the user's hands enter the
beam's effective range, the
beam is reflected back into the
Sensor Receiver and activates
the solenoid valve allowing
tempered water to flow from
the faucet. Water will flow until
the hands are removed or until
the faucet reaches its
automatic time out limit
setting.



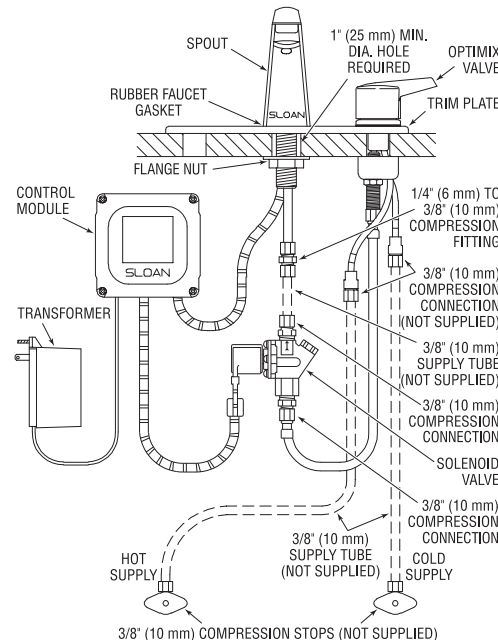
3. When hands are moved
away from the OPTIMA®
Sensor, the loss of reflected
light initiates an electrical
signal that deactivates the
Solenoid Valve shutting off
the water flow. The Circuit
then automatically resets and
is ready for the next user.



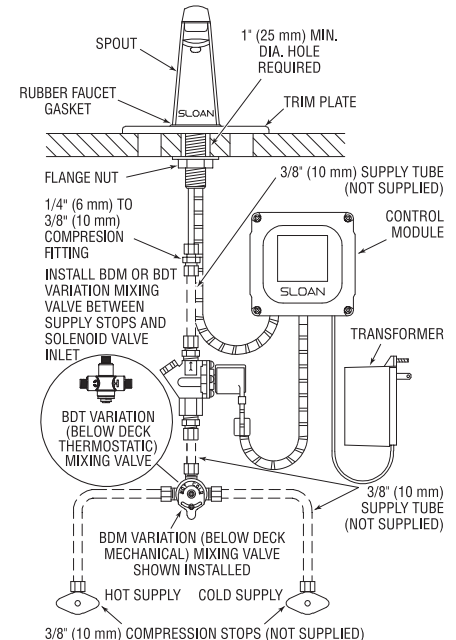
ETF-880 Faucet with Bak-Chek® Tee for Hot and Cold Water Supply (shown with 4" trim plate)



ETF-880 Faucet with ADM Variation Mixing Valve for Hot and Cold Water Supply (shown with 8" trim plate)



ETF-880 Faucet with BDM and BDT Variation Mixing Valves for Hot and Cold Water Supply (shown with 4" trim plate)



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