

## ERF-885



► **Description**

Battery Powered, Sensor Activated, Electronic, Wireless Hand Washing Faucet 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, Battery Powered, Sensor Activated, Wireless, Chrome Plated Brass Hand Washing Faucet with the following features:

- Wireless Connection between Faucet and Circuit Control Module
- Splash-proof Circuit Control Module
- Automatic, Self-calibrating Passive Infrared Sensing
- Automatic, Adjustable Active Infrared Sensing
- Audible Tone for Troubleshooting and Low Battery Indicator
- Serviceable Filtered Solenoid Valve
- Bak-Chek<sup>®</sup> Tee for Hot/Cold Supply
- Trim Plate with Anti-Rotation Pin (specify 4" or 8")
- Vandal Resistant Spray Head with Pressure Compensating Flow Control
- Automatically assigned Signal Identification
- Includes four (4) C-size Alkaline Batteries (for control module)
- Includes two (2) DL123A Lithium Batteries (for spout)

► **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

*Consult Factory for Finish Variations*

► **Accessories (Specify separately)**

- **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/1/4" Outlet Tube

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

► **Warranty**

3 year (limited)

► **Made in the U.S.A.**

► **Compliant to:**

ANSI/ASME A112.18.1M  
CSA B125



► **ADA Compliant**

► **Automatic**

The Sloan OPTIMA Plus<sup>®</sup> ERF-885 Battery Powered, Electronic, Wireless Hand Washing Faucet operates by means of a **passive** and **active** infrared sensor. Once the user's hands enter the sensor's effective range, the **passive** infrared sensor prequalifies the user. Once the user is prequalified, the **active** infrared sensor sends out an infrared beam which must reflect off the user and back to the sensor. When both sensors qualify a user, the Faucet sends a signal to the Control Module to activate the Solenoid and turn on the water flow. Water flows from the Faucet until hands are moved away. The Faucet then automatically shuts off.

► **Wireless**

Wireless Communication between the Spout and Control Module makes installation easier and more vandal resistant.

► **Hygienic**

The ultimate in sanitary protection — there are no handles to turn or buttons to push. Helps to control the spread of infectious diseases.

► **Economical**

Automatic operation provides water usage savings over other faucet devices. Reduces maintenance and operation costs. Self-calibrating Range Adjustment makes installation quick and easy. Battery operation ideal for Retrofit installations.

► **Increased Battery Life**

The active infrared sensor turns on only after the passive infrared sensor prequalifies a user. This uses less energy resulting in increased battery life.

This space for Architect/Engineer approval	
Job Name _____	Date _____
Model Specified _____	Quantity _____
Variations Specified _____	
Customer/Wholesaler _____	
Contractor _____	
Architect _____	

# ERF-885

## Description

Battery Powered, Sensor Activated, Electronic, Wireless Hand Washing Faucet 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)

## ELECTRICAL SPECIFICATIONS

### Control Circuit

3 VDC (spout)— Operates on two (2) DL123A Lithium batteries.  
6 VDC (control module) — Operates on four (4) alkaline C-size batteries. Self-adaptive Range Adjustment, Audible Troubleshooting and Low Battery Indicator. Wireless signal between Control Module and Spout.

### Battery Life

4 years at 8,000 cycles/month

### OPTIMA® Sensor Range

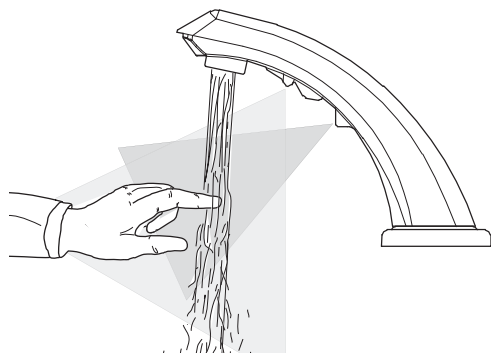
Factory Set: 6½" - 7"  
(165 mm - 178 mm)  
Adjustable: 1" - 9"  
(25 mm - 229 mm)

### Solenoid Valve

Low Energy Latching Solenoid with Self-cleaning Bypass and Integral Serviceable Filter.

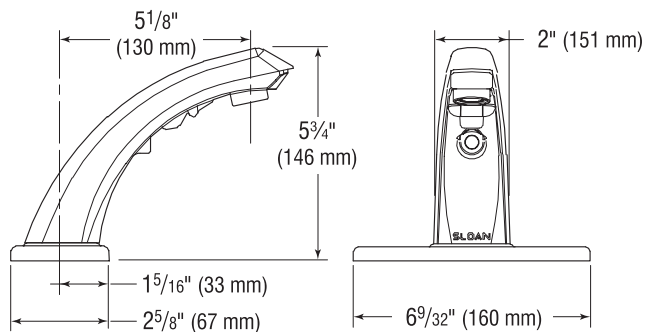
## OPERATION

When hands are placed beneath the spray head, the **passive** OPTIMA® Sensor prequalifies the user. The **active** OPTIMA® Sensor then emits invisible light beams that are reflected from the user's hands back to the sensor. When both OPTIMA® Sensors qualify the user, the Faucet transmits a wireless signal to the control module to activate the solenoid and turn on water flow. Water flows for as long as hands continue to stay within the Sensor's range (30 second automatic shut off). When hands are removed, the water flow automatically stops. The faucet is then ready for the next user.



## FAUCET DIMENSIONS

(Shown with 4" Trim Plate)



### Time Out Adjustment Settings

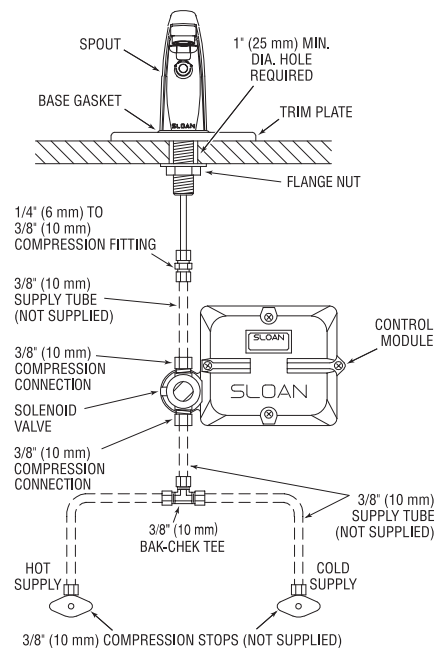
30 seconds — The Faucet Time out Setting determines the maximum time the faucet will run upon continuous detection. The ERF-885 is factory set at the 30 second time out. Consult factory for time out settings to meet individual application requirements.

### Maximum Distance Control Module may be Installed from Spout

24" (610 mm) Maximum

## ROUGH-IN

### ERF-885 Faucet with Bak-Chek® Tee for Hot and Cold Water Supply (shown with 4" trim plate)



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