

### ► Code Number

10001310

### ► Description

Complete HEU system with exposed, Ac powered, sensor activated, Royal® OPTIMA® SMOOTH™ hardwired urinal Flushometer and vitreous china urinal.

### ► Flush Cycle

0.125 gpf/0.5 Lpf

### ► SPECIFICATIONS

#### Specifications

Quiet, exposed, diaphragm type, chrome plated urinal Flushometer and vitreous china urinal with the following features:

#### Urinal Specifications

Wall hung vitreous china

Washdown flushing action

All mounting hardware included

Integral flushing rim

Carrier not included

Vandal resistant strainer assembly included

Compliant to the applicable sections of ASME A112.19.2/CSA B45.1

2" NPT outlet flange

3/4" I.P.S. top spud inlet

100% factory flush tested

#### OPTIMA® SMOOTH™ Unit

ADA compliant OPTIMA® SMOOTH™ AC powered infrared sensor for automatic "Hands-free" operation

Mechanical Manual Override Flush Handle

"User in View" flashing LED

25 to 80 psi operating range

Sensor with automatic range adjustment

Chrome plated metal sensor housing

Sentinel Flush Mode

Chrome Plated Flange and appropriate Wiring Hardware included

### ► ELECTRICAL SPECIFICATIONS

#### Control Circuit

6 VDC input, 8 second arming delay, 72 hour Sentinel Flush

#### Sensor Type

Active Infrared with Automatic Adjustment

#### Sensor Range

Normal Range (recommended for Water Closets) with 2 – 3 second flush delay: 26" – 32" (660 mm – 813 mm)

Normal Range (recommended for Water Closets) with 1 – 2 second flush delay: 26" – 32" (660 mm – 813 mm)

Reduced Range (recommended for Urinals) with 1 – 2 second flush delay: 20" – 26" (508 mm – 660 mm)

#### Transformer

EL-451 (Box Mount) 120 VAC, 50/60 Hz Primary 6 VAC, 50/60 Hz Secondary Class II, 25 VA.

EL-386 (Plug-in) 120 VAC, 50/60 Hz Primary 6 VAC, 50/60 Hz Secondary class II, 3 VA.

#### Transformer Options

EL-451 (120 VAC/6 VAC 50/60 Hz (25 VA) – Box Mount (will operate up to 8 units)



### ► NOTE

Plumbing System Requirements

Minimum Flowing Pressure: 25 PSI

Maximum Fixture Static Pressure: 80 PSI

### ► FEATURES

#### Automatic

Sloan SMOOTH™ equipped Flushometers provide the ultimate in sanitary protection and automatic operation. The Flushometer operates by means of an Ac powered infrared sensor. True mechanical manual over-ride button enables the Flushometer to work in the event of a power failure. State-of-the-art technology enables activation of a manual override without "double flushing" occurring as the user departs (locks out sensor for approximately 10 seconds).

#### Economical

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

#### Hygienic

The Royal® OPTIMA® SMOOTH™ Flushometer System is the next advancement in hygiene. User makes no physical contact with the Flushometer surface except to initiate the Mechanical Manual Override Flush Handle when required. Helps control the spread of infectious diseases.

### ► Compliance & Certifications

ASME A112.1.3

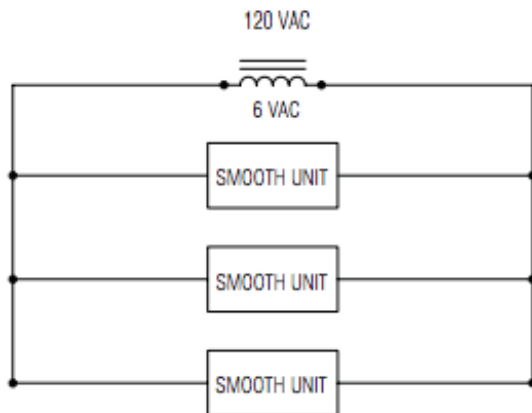


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EL-386 (120 VAC/6 VAC 50/60 Hz (3 VA) – Plug-in (will operate 1 unit)

### ► WIRING DIAGRAM

One EL-451 Transformer serves up to eight (8) OPTIMA® Closet/Urinal Flushometers.

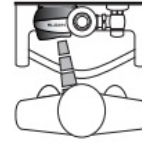


One EL-386 Transformer serves one (1) OPTIMA Closet/Urinal Flushometer. One EL-451 Transformer serves up to eight (8) OPTIMA Closet/Urinal Flushometers. Specify part number and number of transformers required accordingly.

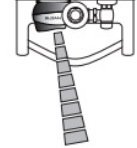
### ► OPERATION



1. A continuous, invisible light beam is emitted from the SMOOTH® unit's Infrared Sensor.



2. When the user enters the sensor's effective range, the Red LED light in the sensor window flashes for eight seconds. After eight seconds of sensing the user, the light will stop flashing and the unit waits for the user to step away before initiating a flush cycle



3. When the user steps away, the unit initiates a flush cycle. The unit then automatically resets and is ready for the next user.

### ► ROUGH-IN

NOTE : All vitreous china dimensions shown in these drawings are nominal. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. Please take this into consideration when planning rough-in and plumbing layouts.

### ► Disclaimer

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

NOTE: All vitreous china dimensions shown in these drawings are nominal and not to scale. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. It is important to consider this when planning rough-in and plumbing layouts.