

► **Code Number**

3912716

► **Description**

Exposed, Hardwired, Sensor Activated, Royal® Optima® SMOOTH™ Urinal Flushometer for 3/4" top spud urinals.

**Specifications**

FLUSHOMETER

Quiet, Exposed, Diaphragm Type, Chrome Plated Urinal Flushometer with the following features:

- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Vacuum Breaker with Flush Connection
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- 3/4" I.P.S. Screwdriver Bak-Chek™ Angle Stop
- Low Consumption flush accuracy
- Spud Coupling and Flange for 3/4" Top Spud
- Diaphragm, Handle Packing and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine Resistance

Optima SMOOTH Unit

- "User in View" Flashing LED
- ADA Compliant OPTIMA® SMOOTH® Line Powered Infrared Sensor for automatic "Hands-free" operation
- Sensor with Automatic Range Adjustment
- Mechanical Manual Override Flush Handle
- 25 to 80 psi Operating Range
- ADA Compliant Metal Oscillating Non-Hold-Open Handle

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

- High Chloramine Resistant PERMEX® Synthetic Rubber DFB Dual Filtered Bypass Diaphragm
- Chrome Plated Infrared Sensor Housing

► **Accessories (Sold Separately)**

EL-386 Transformer Plug-In (120 VAC/6 VAC)

EL-451 Transformer Box-Mount (120 VAC/6 VAC 25VA)



► **FEATURES**

**Hygienic**

The Royal® Optima® SMOOTH® HW Flushometer is the next advancement in hygiene. It uses sensor technology to transform manual installations into electronic, hands-free operation. User makes no physical contact with the Flushometer surface except to initiate the Override Handle when required. Helps control the spread of infectious diseases.

**Automatic Operation**

SMOOTH® equipped Flushometers provide the ultimate in sanitary protection and automatic operation. Once the user enters the sensor's effective range and then steps away, the SMOOTH® Unit initiates the flushing cycle to flush the fixture. State-of-the-art Technology enables override activation without "double flushing" as the user departs (sensor is locked-out for approximately 10 seconds). True manual override eliminates the need for expensive battery back-up systems.

**Economical**

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

► **Compliance & Certifications**



This space for Architect/Engineer Approval

### ► ELECTRICAL SPECIFICATIONS

#### Control Circuit

- 6 VDC Input

#### Sensor Type

- Active Infrared with Automatic Adjustment

#### Sensor Range

- Normal Range: 26" - 32" (660 mm-813 mm)
- Reduced Range: 20" - 26" (508 mm-660 mm)

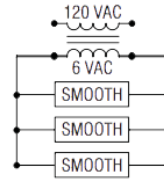
#### Operating Pressure

- 25-80 psi (172-552 kPa)

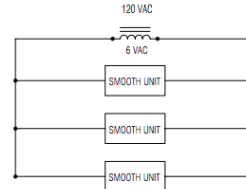
#### Indicator Lights

- User in View

### ► 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 six (6) OPTIMA Closet/Urinal Flushometers. Specify part number and number of transformers required accordingly.

### ► ROUGH-IN

