

#### **CODE NUMBER**

3453220

#### **DESCRIPTION**

1.5 gpf, Rough Brass Finish, Fixture Connection Top Spud, Single Flush, 2-10.75 L Dimension, Less Override, Hardwired, Sensor-Operated, 24V, Royal® Concealed Sensor Hardwired Urinal Flushometer.

#### **DETAILS**

• Flush Volume: 1.5 gpf (5.7 Lpf)

Finish: Rough BrassPower Type: HardwiredValve: Diaphragm

• Valve Body Material: Semi-red Brass

• Fixture Type: Urinal

• Fixture Connection: Top Spud

• Rough-In Dimension: 13 ½" (343mm)

Spud Coupling: <sup>3</sup>/<sub>4</sub>" (19mm)
Supply Pipe: <sup>3</sup>/<sub>4</sub>" (19mm)

• L Dimension: 2"-10 3/4" (51-273mm)

Override: Less (L/OR)Voltage: 24V

## **FEATURES**

Quiet, Concealed, Diaphragm Type, Rough Brass Urinal

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Courtesy FlushTM Non-Hold-Open True Mechanical Override
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- Stop Seat and Vacuum Breaker molded from PERMEX® Rubber Compound for Chloramine Resistance
- High Back Pressure Vacuum Breaker Flush Connection, Spud Coupling and Flanges for 3/4" Exposed Top Spud
- 3/4" I.P.S. Wheel Handle Bak-Chek® Angle Stop

### **VIDEOS**



**ESS Flushometer** 



#### **COMPLIANCES & CERTIFICATIONS**











(ADA Compliant, BAA Compliant, cUPC Certified, UL Certified, UPC Certified)

#### RECOMMENDED SPECIFICATION

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.

## **ELECTRICAL SPECIFICATIONS**

- Arming Delay: 8 seconds
- Control Circuit: Solid State/24 VAC Input/24 VAC Output
- Flush Delay: 1s
- Self-Adaptive Window: ±8
- Sensor Range: 15"-30" (381-762mm)
- Solenoid Operator: 24 VAC
- Transformers (specify separately):
  - 0345154
  - 0345999

# **VALVE OPERATING PRESSURE (FLOWING)**

15–80 PSI (103–552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

## **DOWNLOADS**

- Royal ESS Concealed and Exposed Installation Instructions
- Royal ESS Concealed with Wall Box Installation Instructions
- Royal ESS TMO Installation Instructions
- Royal 140/152/153/195 ESS TMO SWB Installation Instructions
- Royal 152/195 SWB ESS TMO (Spanish) Installation Instructions
- Control Stop Repair and Maintenance Guide
- Flush Connections Flanges Repair and Maintenance Guide
- Tail Piece Repair and Maintenance Guide
- Optima ESS Repair and Maintenance Guide

Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com



- Optima ESS TMO Concealed Repair and Maintenance Guide
- Optima ESS TMO SWB Concealed Repair and Maintenance Guide
- Additional Downloads

### **NOTES**

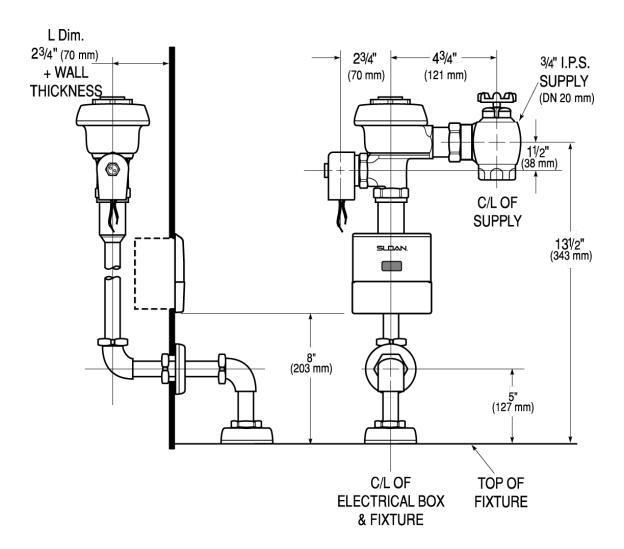
All information contained within this document subject to change without notice.

Looking for other variations of the ROYAL 197 ESS product? View the general spec sheet with all options.

## **WARRANTY**

View Warranty Information

# **ROUGH-IN**



Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com