

### **CODE NUMBER**

3451632

#### **DESCRIPTION**

3.5 gpf, Rough Brass Finish, Fixture Connection Top Spud, Single Flush, 11-12.75 L Dimension, Electrical Override, Hardwired, Sensor-Operated, Standard (not included, order separately) Wall Box, Royal® Concealed Sensor Hardwired Water Closet Flushometer.

#### **DETAILS**

Flush Volume: 3.5 gpf (13.2 Lpf)
Finish: Rough Brass (RB)
Power Type: Hardwired (HW)

• Valve: Diaphragm

• Valve Body Material: Semi-red Brass

Fixture Type: Water ClosetFixture Connection: Top SpudRough-In Dimension: 24" (610mm)

Spud Coupling: 1 ½" (38mm)
Supply Pipe: 1" (25mm)

• L Dimension: 11"-12 3/4" (279-324mm) (11-12-3/4-LDIM)

• Override: Electrical (OR)

• Wall Box: Standard (not included, order separately) ()

#### **FEATURES**

Quiet, Concealed, Diaphragm Type, Rough Brass Closet Flushometer with the following features:

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- User friendly three (3) second Flush Delay
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- $\bullet$  13 1/2" x 13 1/2" Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- Adjustable Tailpiece
- Sweat Solder Adapter
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water

## Conservation

- High Back Pressure Vacuum Breaker Flush Connection, Spud Coupling and Flanges for 1½" Exposed Top Spud
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- 13" x 17" EASY ACCESS® Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- Chrome Plated Exposed Flushometer Parts
- Courtesy Flush® Override Button
- Flush accuracy controlled by CID® technology



### **COMPLIANCES & CERTIFICATIONS**









(ADA Compliant, UPC Certified, BAA Compliant, UL 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: 16 seconds

# **VALVE OPERATING PRESSURE (FLOWING)**

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

## **DOWNLOADS**

- Optima Sensor Activated Royal Installation Instructions
- Royal 140/152/153/195 ESS TMO SWB Installation Instructions
- Control Stop Repair and Maintenance Guide
- Flush Connections Flanges Repair and Maintenance Guide
- Tail Piece Repair and Maintenance Guide
- Concealed Flushometers Repair and Maintenance Guide
- Optima ESS 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 153 ESS product? View the general spec sheet with all options.

Find a compatible urinal for this flushometer.
Find a compatible water closet for this flushometer.



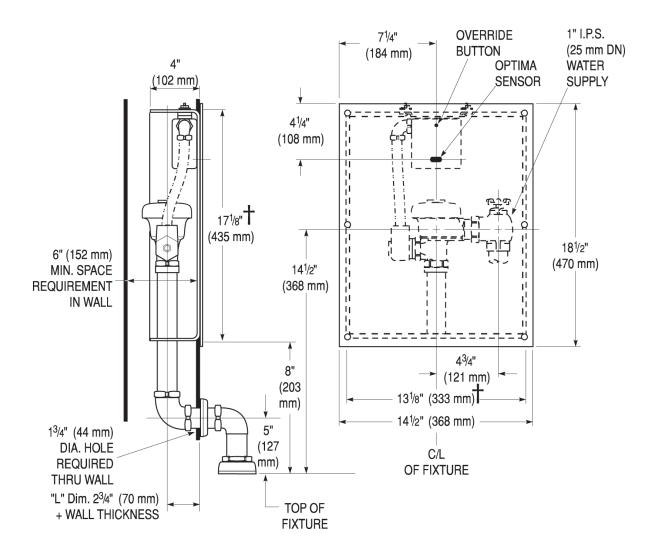
• Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance

## **VIDEOS**



ESS Flushometer

## **ROUGH-IN**



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