

# CODE NUMBER

3911775

# DESCRIPTION

1.6 gpf, Rough Brass Finish, Fixture Connection Top Spud, Single Flush, 2-10.75 L Dimension, Electrical Override, Hardwired, Sensor-Operated, Whitworth Thread, 24V, With Wall Box, Royal® Concealed Sensor Hardwired Water Closet Flushometer.

# DETAILS

- Flush Volume: 1.6 gpf (6.0 Lpf)
- Finish: Rough Brass
- Power Type: Hardwired (HW)
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Top Spud
- Rough-In Dimension: 14" (356mm)
- Spud Coupling: 1 <sup>1</sup>/<sub>2</sub>" (38mm)
- Supply Pipe: 1" (25mm)
- L Dimension: 2"-10 <sup>3</sup>/<sub>4</sub>" (51-273mm)
- Override: Electrical
- Wall Box: With (W/BOX)
- Voltage: 24V
- Special Features: Whitworth Thread (WWT)

# FEATURES

- Flush volumes start as low as 1.28 gpf/4.8 Lpf
- Water conservation is aided by the ADA-compliant, non-hold-open handle, which prevents toilet from exceeding intended flush volume
- Flush accuracy is controlled by CID<sup>™</sup> technology, also enhancing water efficiency
- Integrity of the product is maintained with the vandal-resistant stop cap
- Durability is facilitated with high copper, low zinc brass castings for dezincification resistance
- Adjustable tailpiece
- PERMEX synthetic rubber diaphragm with Dual Filtered Fixed Bypass
- Valve body, Cover, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass
- Valve shall be in compliance to the applicable sections of ASSE 1037.

# VIDEOS

ESS Flushometer



Variations Not Shown: Wall Box with Override, Whitworth Thread

# COMPLIANCES & CERTIFICATIONS



(ADA Compliant, BAA Compliant, BABAA 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: 16 seconds
- Control Circuit: Solid State/24 VAC Input/24 VAC Output
- Flush Delay: 3s
- Self-Adaptive Window: ±10
- Sensor Range: 22"-42" (559-1,067mm)
- Solenoid Operator: 24 VAC
- Transformers (specify separately):
  - o 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 152/195 ESS TMO (Spanish) Installation Instructions
- Royal 152/195 ESS TMO Installation Instructions
- Royal 152/195 ESS TMO Concealed SWB Installation Instructions
- Royal 152/195 SWB ESS TMO (Spanish) Installation Instructions
- Royal 152/195 ESS TMO SBX 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
- Optima ESS TMO Concealed Repair and Maintenance Guide
- Optima ESS TMO SWB Concealed Repair and Maintenance Guide
- Flushometer Pressure gauges
- 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.

# WARRANTY

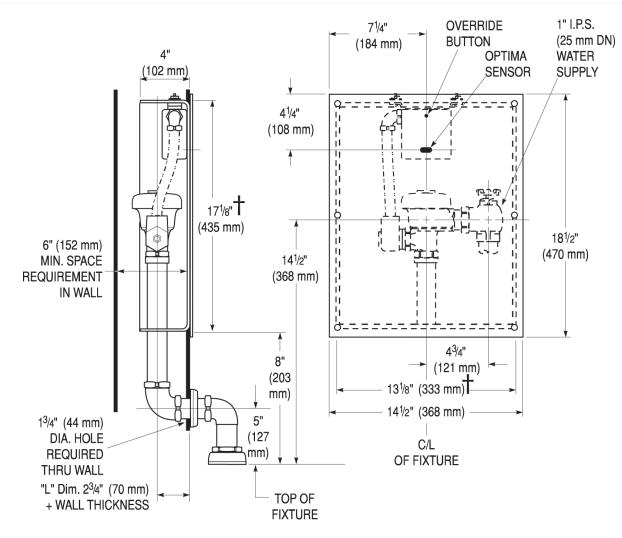
View Warranty Information

**ROUGH-IN** 

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# ROYAL® SENSOR FLUSHOMETER ROYAL 153 ESS-1.6-W/BOX-HW-WWT



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