

**CODE NUMBER**

3453252

**DESCRIPTION**

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

**DETAILS**

- Flush Volume: 0.125 gpf (0.5 Lpf)
- Finish: Rough Brass
- Power Type: Hardwired (HW)
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Top Spud
- Rough-In Dimension: 13 1/2" (343mm)
- Spud Coupling: 3/4" (19mm)
- Supply Pipe: 3/4" (19mm)
- L Dimension: 2" - 10 3/4" (51 - 273mm)
- Override: Less (L/OR)
- Wall Box: With (W/BOX)
- Voltage: 24V

**FEATURES**

- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance
- 3/4" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- 13 1/2" x 13 1/2" Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- Quiet, Concealed, Diaphragm Type, Rough Brass Urinal
- PERMEX® Synthetic Rubber Diaphragm with Dual Linear Filtered Bypass
- High back pressure Vacuum Breaker with flush connection
- Spud Coupling and flanges for 3/4" exposed top spud
- 13" x 17" EASY ACCESS® Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
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**VIDEOS**

- ▶ [ESS Flushometer](#)



**COMPLIANCES & CERTIFICATIONS**



(ADA Compliant, BAA Compliant, BABAA Compliant, BREEAM Water Credit, cUPC Certified, cUPC Green Certified, Green Globes Water Credit, LEED V4 Water Efficiency Credit, Satisfies LEED Credits, UL Certified, UPC Certified, WaterSense Listed)

**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](#)

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[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](#)
- [Additional Downloads](#)

**NOTES**

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

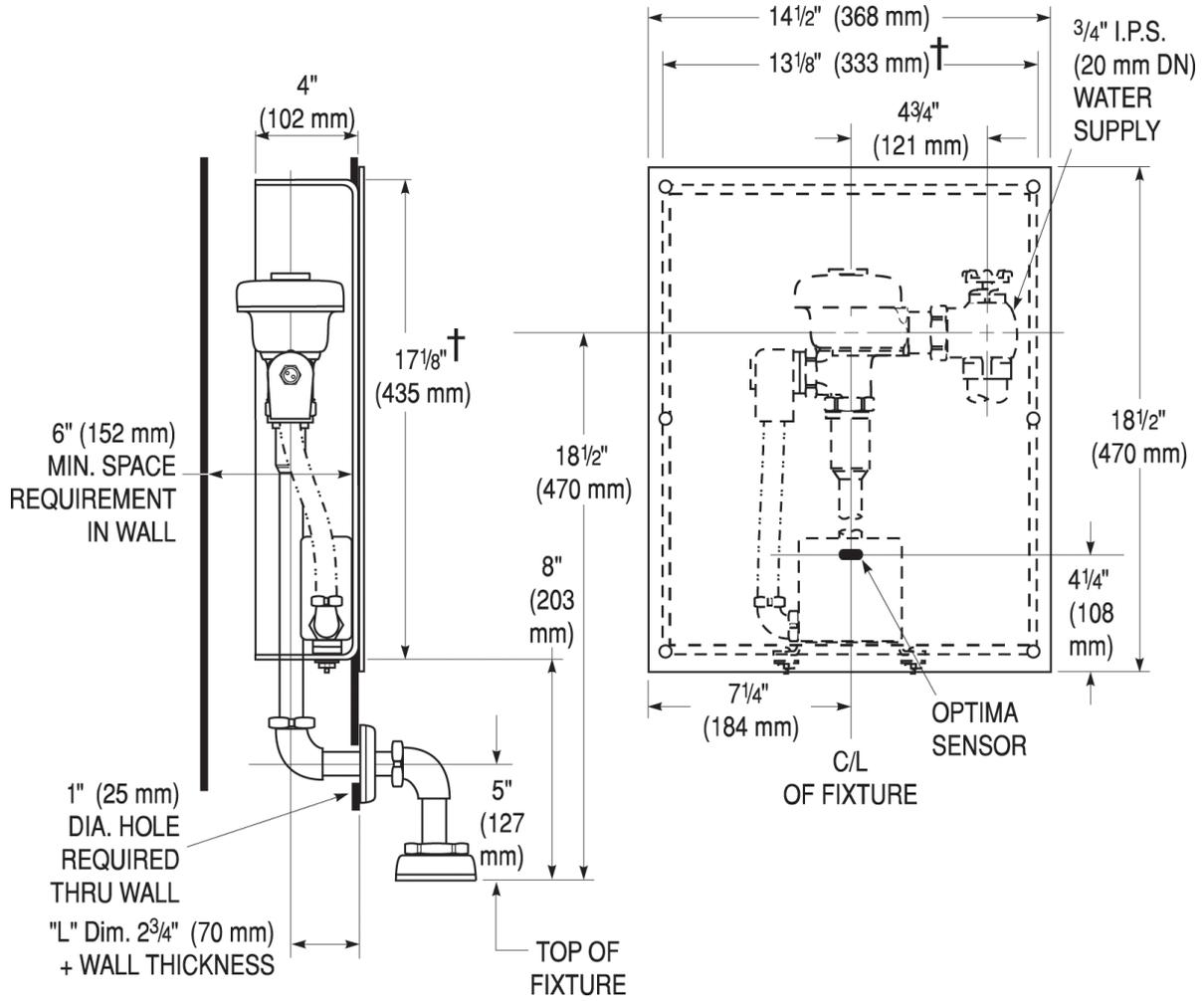
Looking for other variations of the ROYAL 197 ESS product?  
[View the general spec sheet with all options.](#)

WaterSense compliant when used with a WaterSense compliant fixture

**WARRANTY**

[View Warranty Information](#)

**ROUGH-IN**



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