CODE NUMBER

3453291

DESCRIPTION

0.125 gpf, Dual-Filtered Bypass, Rough Brass Finish, Fixture Connection Top Spud, Single Flush, 2-10.75 L Dimension, True Mechanical Override, Hardwired, Sensor-Operated, 24V, Small 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
- Bypass: Dual-Filtered Bypass
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Top Spud
- Rough-In Dimension: 13 ½" (343mm)
- Spud Coupling: ¾" (19mm)
- Supply Pipe: ¾" (19mm)
- L Dimension: 2"–10 ¾" (51–273mm)
- Override: True Mechanical (TMO)
- Wall Box: Small (SWB)
- Voltage: 24V

FEATURES

Quiet, Concealed, Diaphragm Type, Rough Brass Urinal

- PERMEX® Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action
- Handle Packing, Main Seat, Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
- User friendly three (3) second Flush Delay
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- "Walk By" Delay of Eight (8) Seconds Prevents Unintentional Flushes
- 13 1⁄2" x 13 1⁄2" Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- High Back Pressure Vacuum Breaker Flush Connection with One-Piece Bottom Hex Coupling Nut, Spud Coupling and Flange for 3⁄4" Top Spud
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- Courtesy Flush® Non-Hold-Open True Mechanical Override
- Hydraulic Metal Push Button Assembly for True Mechanical Override
- Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- High Chloramine Resistant PERMEX® Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing ActionTM
- 3/4" I.P.S. Wheel Handle Bak-Chek® Angle Stop

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

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