

Electronic Proximity® Sensing Technology Lavatory Faucets

HDF®
COMMERCIAL

DELTA®

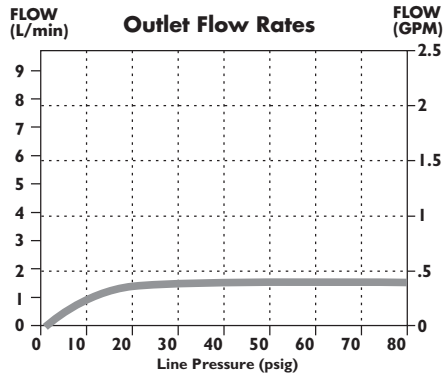
SPECIFICATION: (example)

- Deck mount electronic lavatory faucet
- All metal spout construction
- **Proximity® Sensing Technology**
- Hardwire units supplied with 24 VAC to 6 VDC converter (Transformer required). (Specify separately)
- Battery units supplied with 4 "C" cell batteries
- Surface mount control box
- Mixing valve required (Order separately)
- Vandal resistant 0.5 gpm (1.9 L/min) laminar outlet

590-P Series

- Center mount, single hole installation
- ❑ **590-PLGHDF** (Battery)
- ❑ **590-PLGHDFHW** (Hardwire)

FLOW RATE vs PRESSURE



Approvals:

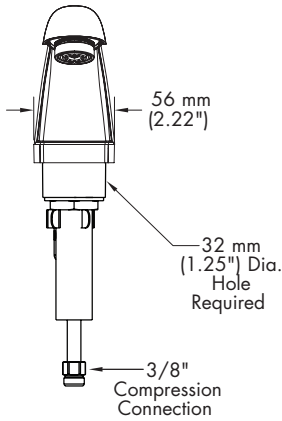
- CSA certified
- Complies to ASME A112.18.1/CSA B125.1
- Indicates compliance to ICC/ANSI A117.1
- Verified compliant with 0.25% weighted average Pb content regulations

(Contact Delta Representative for State and/or Local Approvals.)

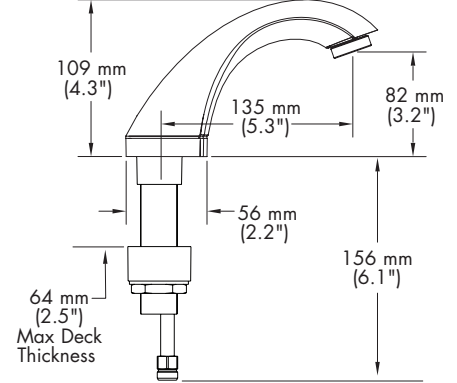
Patented

590-P SERIES ELECTRONIC DECK MOUNT LAVATORY FAUCET

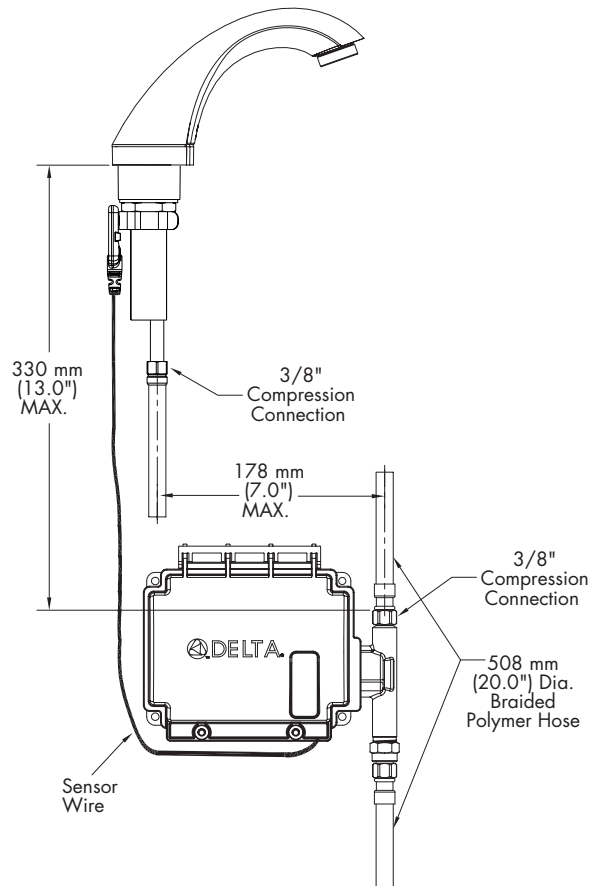
FRONT VIEW



SIDE VIEW



590-P SERIES TYPICAL INSTALLATION



Note: Measurements may vary ± 6 mm (0.25")

Batteries included on all battery models.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Flow Rates are at 60 PSI.

Note: Use all pages as product submittal sheets. Refer to www.specselect.com for individual models.

SPECIFICATION: (example)

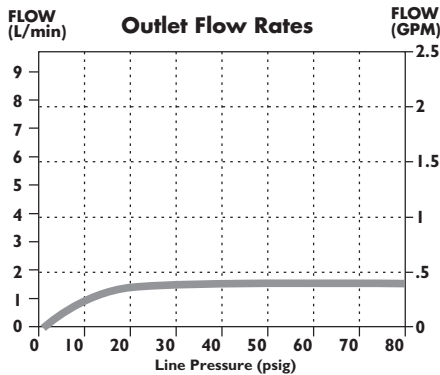
- Deck mount electronic lavatory faucet
- All metal spout construction
- **Proximity[®] Sensing Technology**
- Hardwire units supplied with 24 VAC to 6 VDC converter (Transformer required). (Specify separately).
- Battery units supplied with 4 "C" cell batteries
- Surface mount control box
- Mixing valve required (Order separately)
- Vandal resistant 0.5 gpm (1.9 L/min) laminar outlet


591-P Series

- 4" (102mm) centers
- Forged coverplate with anti-rotation pin
- ☐ **591-PLGHDF** (Battery)
- ☐ **591-PLGHDFHW** (Hardwire)

592-P Series

- 8" (203mm) centers
- Forged coverplate with anti-rotation pin
- ☐ **592-PLGHDF** (Battery)
- ☐ **592-PLGHDFHW** (Hardwire)

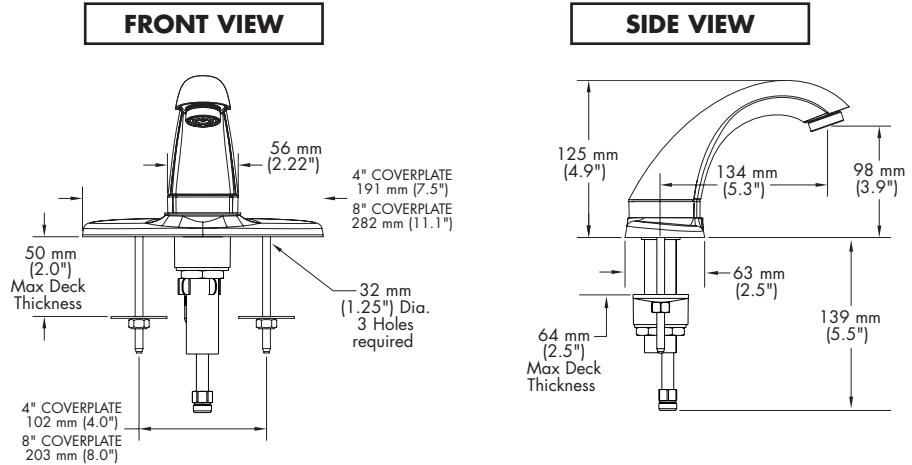
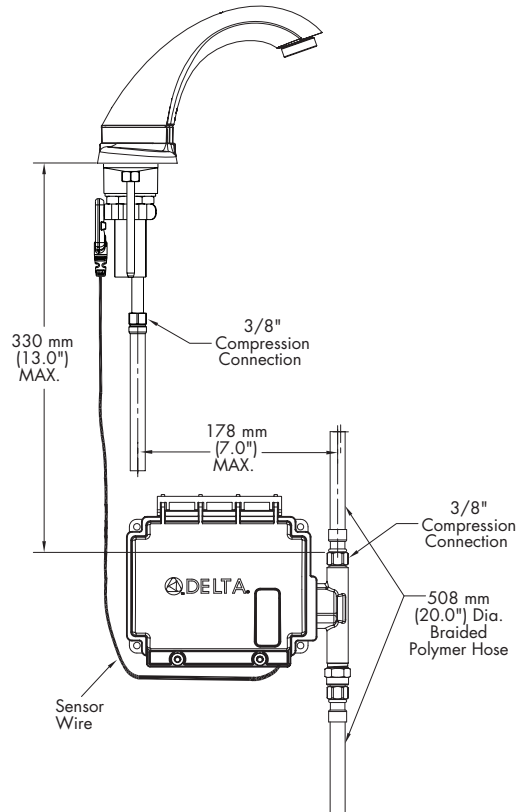
FLOW RATE vs PRESSURE

Approvals:

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- Verified compliant with 0.25% weighted average Pb content regulations

(Contact Delta Representative for State and/or Local Approvals.)

Patented

Batteries included on all battery models.
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**591-P & 592-P SERIES
ELECTRONIC DECK MOUNT LAVATORY FAUCET**

**591-P & 592-P SERIES
TYPICAL INSTALLATION**


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590-P Series

- Center mount, single hole installation
- ❑ **590-PLGHDF** (Battery)
- ❑ **590-PLGHDFHW** (Hardwire)

591-P Series

- 4" (102mm) centers
- Forged coverplate with anti-rotation pin
- ❑ **591-PLGHDF** (Battery)
- ❑ **591-PLGHDFHW** (Hardwire)

592-P Series

- 8" (203mm) centers
- Forged coverplate with anti-rotation pin
- ❑ **592-PLGHDF** (Battery)
- ❑ **592-PLGHDFHW** (Hardwire)

OPERATION:

- Hands free (touchless) operation.
- No visible sensor, the spout is the sensor.
- Water flows when sensing is activated.
- Water flow stops upon de-activation of sensing.
- Adjustable sensing distance factory set to 76 mm (3").
- Low battery audible beep (for battery models only) will activate after faucet shuts off when approximately 1500 cycles remain.
- Adjustable auto shut off feature. Factory set to 45 seconds.
- Metering mode with selectable flow times of 7 seconds to 4 minutes, factory set off.
- Periodic Rinse feature, time adjustable in 6 hour increments up to 2 days. Selectable rinsing lengths from 10 to 180 seconds. Factory set off.

NOTE 1: For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.

NOTE 2: Designed for routine 180°F (82°C) disinfection cycles up to 10 minutes.

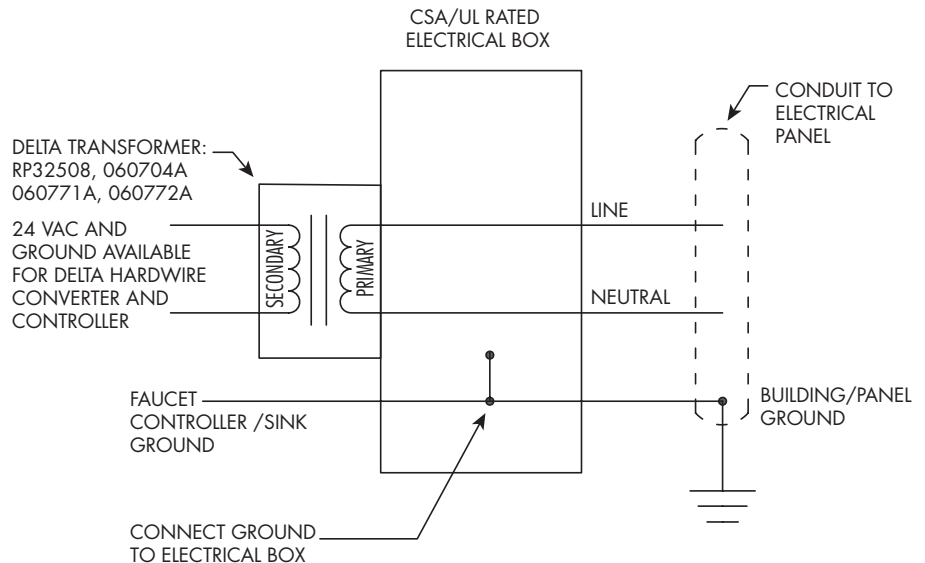
NOTE 3: Use 3-conductor 18AWG wire between transformer and hardwire converter/driver board earth ground.

NOTE 4: Use Delta Commercial approved transformers and mount the transformer a minimum of 6 inches away from the Delta driver board enclosure.

NOTE 5: Refer to Proximity Application Notes for installation best practices, proper grounding and wiring diagrams on www.specselect.com.

590-P, 591-P & 592-P SERIES ELECTRONIC DECK MOUNT LAVATORY FAUCET

ELECTRICAL SCHEMATICS



Available Option for Field Conversion

- ❑ **060651A**
3 Position Switch
See **DSP-ELACC** for
detailed specification.

VANDAL PROOF SURFACE MOUNT HOUSING

Battery Operated – Box shown.

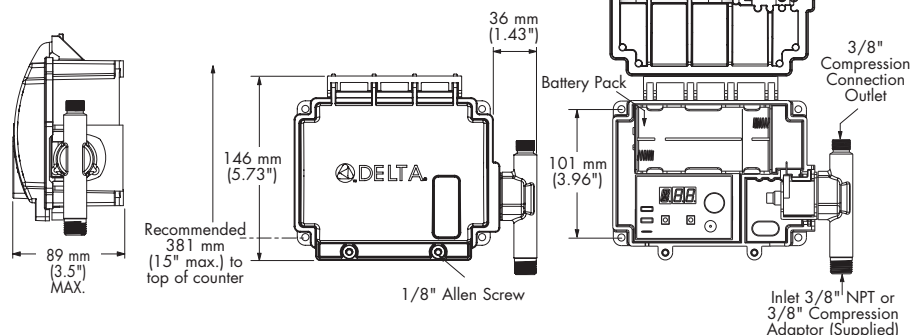
Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

Hardwire with Battery Backup

- ❑ Add suffix **"-BB"** to Product Number.

Available on Hardwire models only.

See **DSP-BB** for detailed specification.



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