

591TP Series – Electronic Faucet

With Surface Mount Control Box and Single Inlet Supply

TECK®
COMMERCIAL



Specification: (example)

- Supplied as complete product
- **Proximity® Sensing Technology**
- Chrome plated **CAST** 102 mm (4") spout body
- **Battery** (4 'C' cell) or **Hardwire** (24VAC) electronic handwash
- Adjustable sensing range and timeout
- Forged brass solenoid valve
- Surface mount housing
- Mixing valve required (order separately)
- Serviceable filter screen upstream of the valve

and...
with... (specify battery or hardwire)
with... (add outlet required)
with... (transformer required for hardwire models – specify separately – See next pages)

591TP1250



Engineer/Architect Approval

Model Specified:








Approval:

Date:

DESCRIPTION	PRODUCT NO.		
Hardwire	591TP02		0
Battery Operated	591TP12		0
Hardwire with Battery Backup	591TP02		0

– BB



SPOUT VARIATION	OUTLET	CONTROL BOX
<div>0</div> <div>1</div> <div>2 4" CAST Lavatory Spout </div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div>	<div>0</div> <div>1</div> <div>2 Vandal Resistant 1.5 gpm (5.7 L/min.) Laminar w/Agion® Antimicrobial </div> <div>3 Vandal Resistant 1.5 gpm (5.7 L/min.) Flow Control Aerator </div> <div>4</div> <div>5 Vandal Resistant 0.5 gpm (1.9 L/min) Laminar Outlet </div> <div>6 Vandal Resistant 1.0 gpm (3.8 L/min) Laminar Outlet </div> <div>7</div> <div>8</div> <div>9 Vandal Resistant 0.35 gpm (1.32 L/min.) Non-Aerating Spray Outlet </div>	<div>0 Surface Mount Housing* SEE Specification Drawing #28 </div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div>

*Mixing valve (order separately).
Refer to www.specselect.com for individual models.

Flow Rates are at 60 PSI.
Note: Use all pages as product submittal sheets.

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.

DSP-591TP Rev. G



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591TP Series – Electronic Faucet With Surface Mount Control Box and Single Inlet Supply

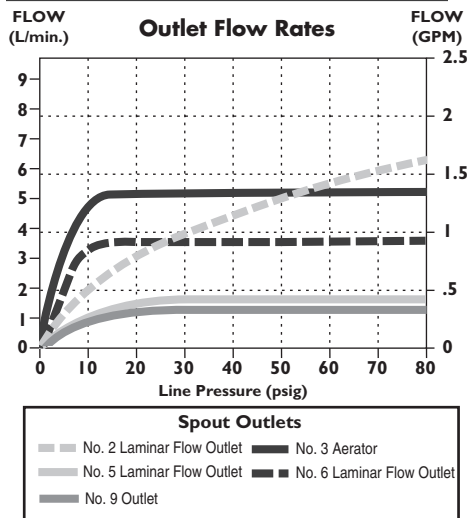
Approvals:

- CSA certified
- Complies to ASME A112.18.1/CSA B125.1
- Indicates compliance to ICC/ANSI A117.1
- Outlet options 2, 3 and 6 are EPA WaterSense listed
- Verified compliant with 0.25% weighted average Pb content regulations

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

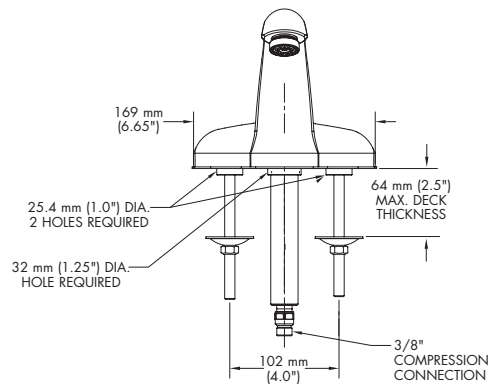
Patented

FLOW RATE vs PRESSURE

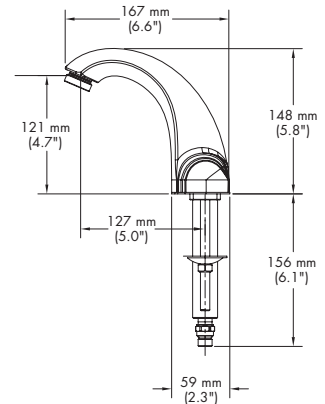


591TP SERIES ELECTRONIC DECK MOUNT LAVATORY FAUCET

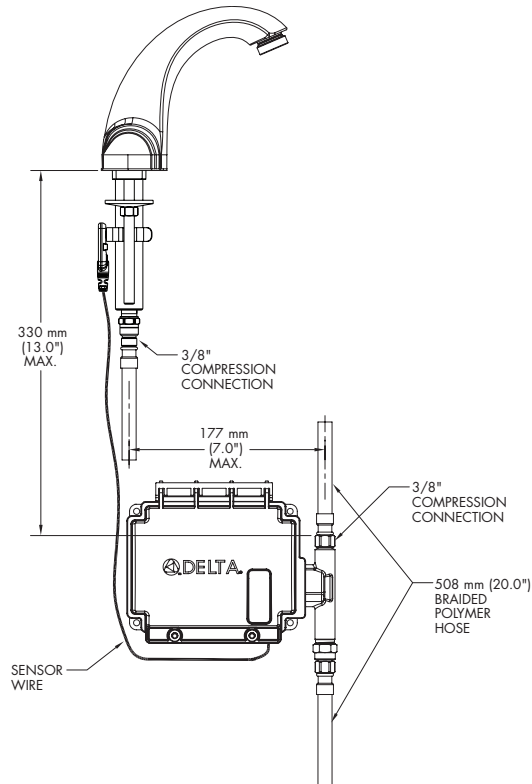
FRONT VIEW



SIDE VIEW



591TP1250 TYPICAL INSTALLATION



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

Refer to www.specselect.com for individual models.

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591TP Series – Electronic Faucet

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591TP0 & 591TP1 SERIES

- ☐ **591TP02** Hardwire
- ☐ **591TP12** Battery Operated
- ☐ **591TP02-BB** Hardwire with Battery Backup

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.

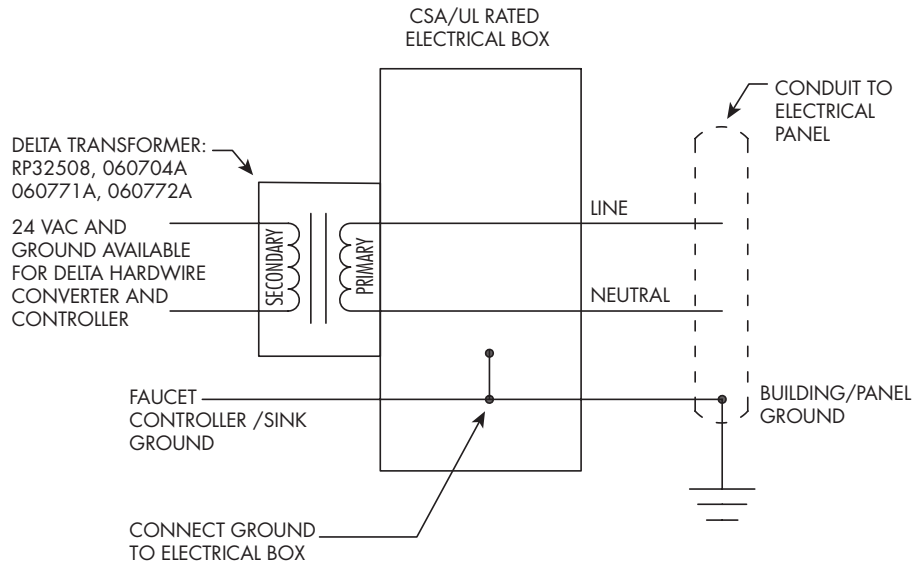
NOTE 3: Use 3-conductor 18AWG wire between transformer and hardwire converter/driver board earth ground.

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.

591TP SERIES ELECTRONIC DECK MOUNT LAVATORY FAUCET

ELECTRICAL SCHEMATICS



Available Option for Field Conversion

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

HARDWIRE WITH BATTERY BACKUP

- ☐ Add suffix **"-BB"** to
Product Number.
See DSP-BB for
detailed specification.

591TP ELECTRONIC FAUCET OPTIONAL ACCESSORIES:

✓	TRANSFORMERS:		
	060704A	110 to 24VAC Class II 20VA	(Up to 5 Electronic Valves)
	060771A	110 to 24VAC Class II 40VA	(Up to 10 Electronic Valves)
	060772A	110 to 24VAC Class II 100VA	(Up to 25 Electronic Valves)
✓	CORDS:		
	061256A	36" Cable Extension	

Note: Measurements may vary $\pm 6\text{mm}$ (0.25")

Batteries included on all battery models.
Refer to www.specselect.com for individual models.

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DSP-591TP Rev. G

SURFACE MOUNT CONTROL BOX #0
591TP SERIES

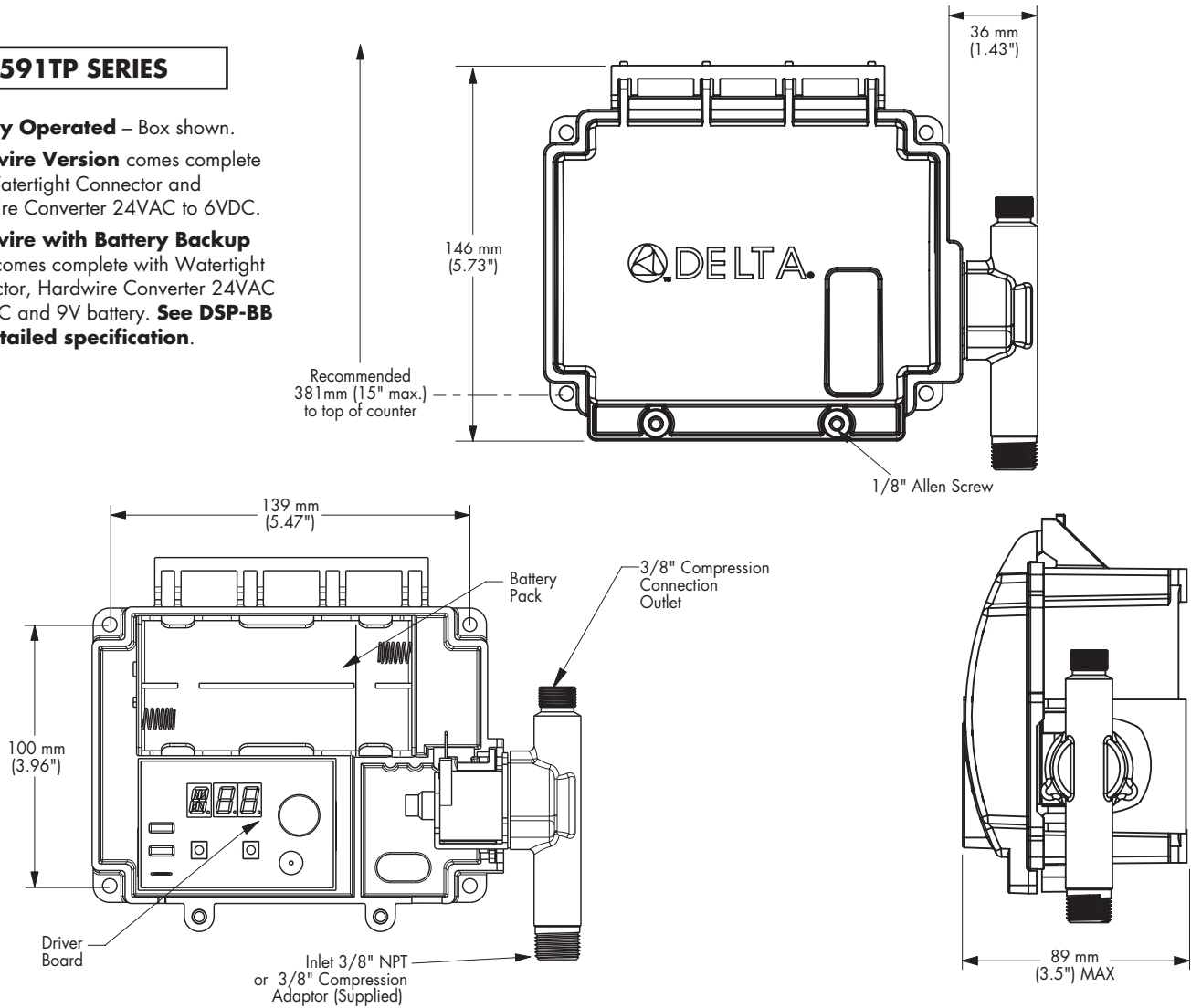
✓	PRODUCT NO.					VALVE TYPE	COVER
	591TP	0	2		0	Deckmount Cast Lavatory Hardwire	Surface Mounted, Vandal Proof Control Housing
	591TP	1	2		0	Deckmount Cast Lavatory Battery	Surface Mounted, Vandal Proof Control Housing

VANDAL PROOF SURFACE MOUNT CONTROL HOUSING
591TP SERIES

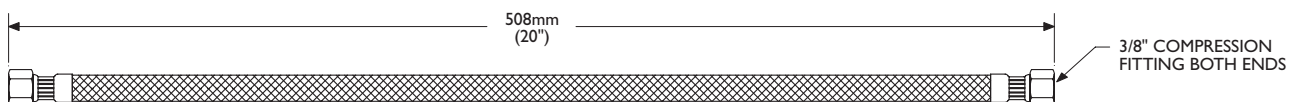
Battery Operated – Box shown.

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

Hardwire with Battery Backup (-BB) comes complete with Watertight Connector, Hardwire Converter 24VAC to 6VDC and 9V battery. **See DSP-BB for detailed specification.**


BRAIDED HOSE

Note: Braided polymer hose connections supplied between Solenoid Valve and Spout as well as for Solenoid Valve Inlet



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