

590TP Series – Electronic Faucet Trim

For Recess Mounted Control Box and Single Inlet Supply

TECK®
COMMERCIAL



Specification: (example)

- Supplied as trim parts only – requires separate order of ELAVT0001ARI rough-in to have complete product
 - **Proximity® Sensing Technology**
 - Chrome plated **CAST** Hi-Rise spout
 - **Battery** (4 "C" cell) or **Hardwire** (24 VAC)
 - Adjustable sensing range and timeout
 - Serviceable filter screen upstream of the solenoid valve
 - Metal hold-down package
- and... with... (specify battery or hardwire)
 with... (add spout variation required)
 with... (add outlet required)
 with... (transformer required for hardwire models – specify separately – See next pages)

590TP Series



Engineer/Architect Approval

Model Specified:

Approval:

Date:

DESCRIPTION	TRIM PRODUCT NO.				
Trim Only for Hardwire	590TP0			1	TR
Trim Only for Battery Operated	590TP1			1	TR
Trim Only for Hardwire with Battery Backup	590TP0			1	TR

**Rough-In
Product Number
ELAVT0001ARI –
Order separately**



SPOUT VARIATION	OUTLET	CONTROL BOX
0 ☐	0 ☐	0 ☐
1 Single Hole Deckmount Hi-Rise Spout  ☐	1 ☐	1 12" S/S Cover, Driver Board, Solenoid for ELAVT0001ARI*  ☒
2 Deckmount Hi-Rise Spout with 4" Forged Coverplate  ☐	2 Vandal Resistant 1.5 gpm (5.7 L/min.) Laminar w/Agion® Antimicrobial  ☐	2 ☐
3 ☐	3 Vandal Resistant 1.5 gpm (5.7 L/min.) Flow Control Aerator  ☐	3 ☐
4 ☐	4 ☐	4 ☐
5 ☐	5 Vandal Resistant 0.5 gpm (1.9 L/min.) Laminar Outlet  ☐	5 ☐
6 ☐	6 Vandal Resistant 1.0 gpm (3.8 L/min.) Laminar Outlet  ☐	6 ☐
7 ☐	7 ☐	7 ☐
8 Deckmount Hi-Rise Spout with 8" Forged Coverplate  ☐	8 ☐	8 ☐
9 ☐	9 Vandal Resistant 0.35 gpm (1.32 L/min.) Non-Aerating Spray Outlet  ☐	9 ☐

*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.

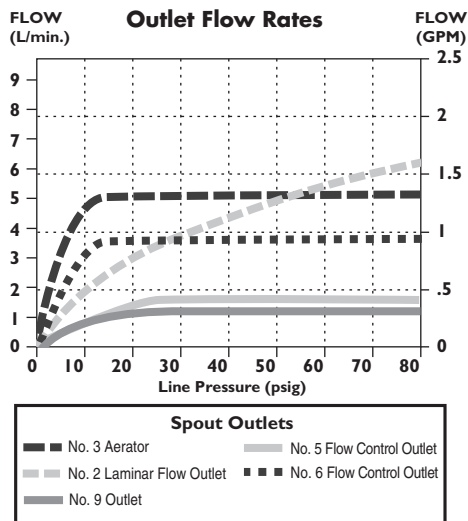
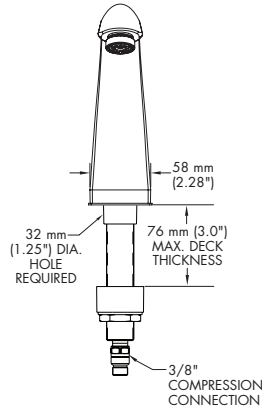
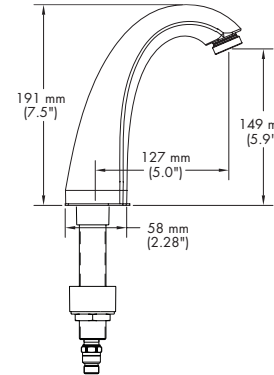
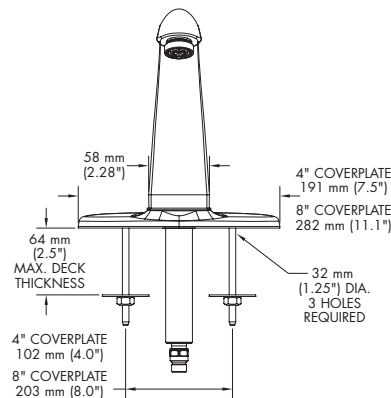
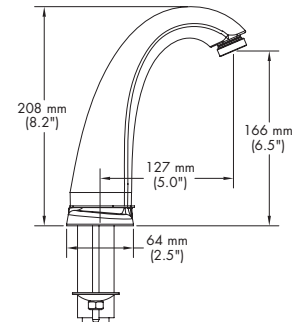
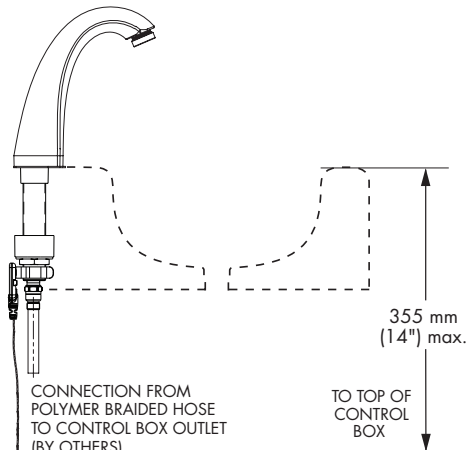
Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

DSP-590TP-CB1 Rev. E

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

SPOUT #1
FRONT VIEW

SIDE VIEW

SPOUT #2 (4" COVERPLATE) & SPOUT #8 (8" COVERPLATE)
FRONT VIEW

SIDE VIEW

TYPICAL INSTALLATION


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

Refer to www.specselect.com for individual models.
Product supplied as shown by solid lines. All items shown by dotted lines supplied by others.

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590TP0 & 590TP1 SERIES

- ☐ **590TP0** Hardwire
- ☐ **590TP1** Battery Operated
- ☐ **590TP0-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.

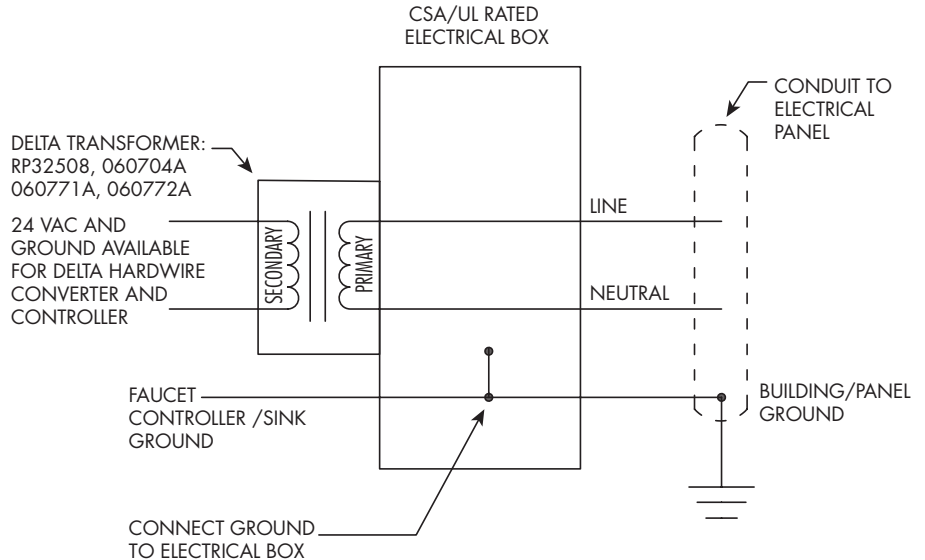
NOTE 3: Use 3-conductor 18AWG wire between transformer and hardwire converter/driver board earth ground.

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.

590TP 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.

590TP 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 $\pm$ 6mm (0.25")

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

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