

# 590T Series – Electronic Faucet Trim

For Recess Mounted Control Box with Hot & Cold Inlet Supplies

**TECK<sup>®</sup>**  
COMMERCIAL



**Specification: (example)**

- Supplied as trim parts only – requires separate order of ELAVT0008RI rough-in to have complete product
  - **H<sub>2</sub>OPTICS<sup>®</sup>** technology – no external adjustments required
  - Chrome plated one piece **CAST** Hi-Rise spout with integral sensor
  - **Battery** (4 "C" cell) or **Hardwire** (24 VAC) infrared electronic handwash system
  - 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 Back Page)

**590T Series**



**Engineer/Architect Approval**

Model Specified:

Approval:

Date:

DESCRIPTION	TRIM PRODUCT NO.			
Trim Only for Hardwire	590T0		8	TR
Trim Only for Battery Operated	590T1		8	TR
Trim Only for Hardwire with Battery Backup	590T0		8	TR

**Rough-In Product Number**  
**ELAVT0008RI –**  
**Order separately**



SPOUT & SENSOR		OUTLET		FOR CONTROL BOX	
<b>0</b>	<input type="checkbox"/>	<b>0</b>	<input type="checkbox"/>	<b>0</b>	<input type="checkbox"/>
<b>1</b> Single Hole Deckmount Hi-Rise Spout with Integral Sensor	<input type="checkbox"/>	<b>1</b>	<input type="checkbox"/>	<b>1</b>	<input type="checkbox"/>
<b>2</b> Deckmount Hi-Rise Spout with Integral Sensor and 4" <b>Forged</b> Coverplate	<input type="checkbox"/>	<b>2</b> Vandal Resistant 1.5 gpm (5.7 L/min.) Laminar w/Agion <sup>®</sup> Antimicrobial	<input type="checkbox"/>	<b>2</b>	<input type="checkbox"/>
<b>3</b>	<input type="checkbox"/>	<b>3</b> Vandal Resistant 1.5 gpm (5.7 L/min.) Flow Control Aerator	<input type="checkbox"/>	<b>3</b>	<input type="checkbox"/>
<b>4</b>	<input type="checkbox"/>	<b>4</b>	<input type="checkbox"/>	<b>4</b>	<input type="checkbox"/>
<b>5</b>	<input type="checkbox"/>	<b>5</b> Vandal Resistant 0.5 gpm (1.9 L/min.) Laminar Outlet	<input type="checkbox"/>	<b>5</b>	<input type="checkbox"/>
<b>6</b>	<input type="checkbox"/>	<b>6</b> Vandal Resistant 1.0 gpm (3.8 L/min.) Laminar Outlet	<input type="checkbox"/>	<b>6</b>	<input type="checkbox"/>
<b>7</b>	<input type="checkbox"/>	<b>7</b>	<input type="checkbox"/>	<b>7</b>	<input type="checkbox"/>
<b>8</b> Deckmount Hi-Rise Spout with Integral Sensor and 8" <b>Forged</b> Coverplate	<input type="checkbox"/>	<b>8</b>	<input type="checkbox"/>	<b>8</b> 12" S/S Cover, Driver Board, Solenoid for ELAVT0008RI with Thermostatic Mixing Valve	<input checked="" type="checkbox"/>
<b>9</b>	<input type="checkbox"/>	<b>9</b> Vandal Resistant 0.35 gpm (1.32 L/min.) Non-Aerating Spray Outlet	<input type="checkbox"/>	<b>9</b>	<input type="checkbox"/>

Refer to [www.specselect.com](http://www.specselect.com) for individual models.

Flow Rates are at 60 PSI.  
 Note: Use these 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](http://www.specselect.com) for finish options and product availability.



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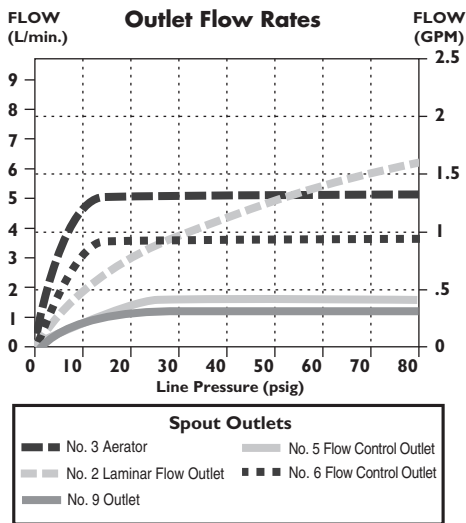
For Recess Mounted Control Box with Hot & Cold Inlet Supplies

**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**



**OPERATION:**

- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon de-activation of sensor.
- Adjustable auto shut-off feature. Factory set to 45 seconds. Will reset once obstruction is removed.
- Adjustable sensing distance 76 to 381 mm (3" to 15") factory set to 229 mm (9") (± 3.0")
- Low battery audible beep (for battery models only) will activate after faucet shuts off when approximately 1500 cycles remain.
- 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:** Control Box #8 is not recommended for high temperature disinfection cycles as the thermostatic mixing valve limits the higher temperature flow output.

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

Refer to [www.specselect.com](http://www.specselect.com) for individual models.  
Product supplied as shown by solid lines. All items shown by dotted lines supplied by others.

DSP-590TCB8 Rev. A

**SPOUT #1**

**SPOUT #2 & #8**

**TYPICAL INSTALLATION**

**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.

OPTIONAL ACCESSORIES:			
<input checked="" type="checkbox"/>	<b>TRANSFORMERS:</b>		
	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)
<input checked="" type="checkbox"/>	<b>CORDS:</b>		
	061256A	36" Cable Extension	

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