

# 590TP Series – Electronic Faucet Trim For Recess Mounted Control Box

**TECK**<sup>®</sup>  
COMMERCIAL

**DELTA**<sup>®</sup>

## SPECIFICATION: (EXAMPLE)

- Supplied as trim parts only – requires separate order of ELAVT0001ARI\* or ELAVT0008ARI\* rough-in to have complete product
- Proximity<sup>®</sup> Sensing Technology
- Trim includes 12" stainless steel cover, driver board, solenoid
- Chrome-plated **CAST** hi-rise spout
- **Battery** (4 "C" cell) or **Hardwire** (24 VAC)
- Adjustable sensing range and timeout
- Metal hold-down package
- Serviceable filter screen upstream of the solenoid valve
- and... with... (specify battery or hardwire)
- with... (add outlet required)
- with... (4" or 8" coverplates – specify separately – see next page)
- with... (for hardwire with battery backup – specify separately – see next page)
- with... (transformer required for hardwire models – specify separately – see next page)

590TP0128TR



### Engineer/Architect Approval

Model Specified:

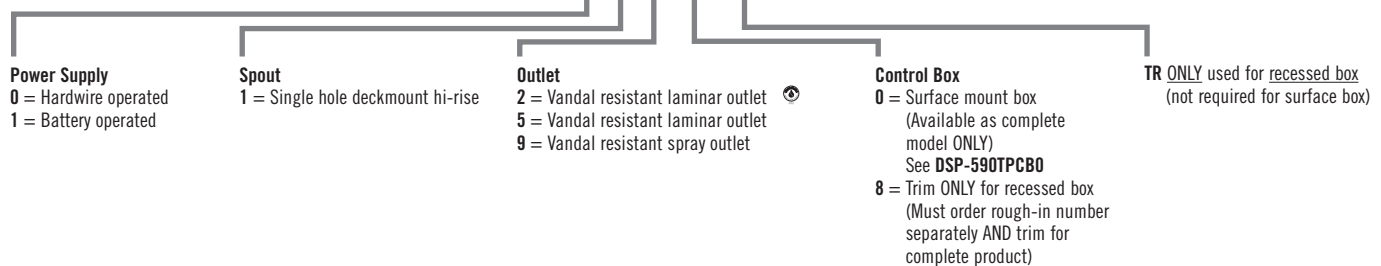
Approval:




Date:

## MODEL NUMBER EXAMPLE:

Configurations vary, see below for availability.

**590TP0128TR**



AVAILABLE MODELS		RECESS MOUNTED CONTROL BOX		
		HARDWIRE	BATTERY OPERATED	
OUTLET	<b>1</b> Deckmount Hi-Rise Spout		<b>1</b> Deckmount Hi-Rise Spout	
	<b>2</b> Vandal Resistant Laminar Outlet 1.5 gpm (5.7 L/min)	590TP0128TR	590TP1128TR	
	<b>5</b> Vandal Resistant Laminar Outlet 0.5 gpm (1.9 L/min)	590TP0158TR	590TP1158TR	
	<b>9</b> Vandal Resistant Spray Outlet 0.35 gpm (1.32 L/min)	590TP0198TR		

\*ELAVT0001ARI – no mixing valve or ELAVT0008ARI with thermostatic mixing valve – specify separately.  
Refer to [www.specselect.com](http://www.specselect.com) for individual models.  
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](http://www.specselect.com) for finish options and product availability.



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

# 590TP Series – Electronic Faucet Trim For Recess Mounted Control Box

**TECK<sup>®</sup>**  
COMMERCIAL

**DELTA**

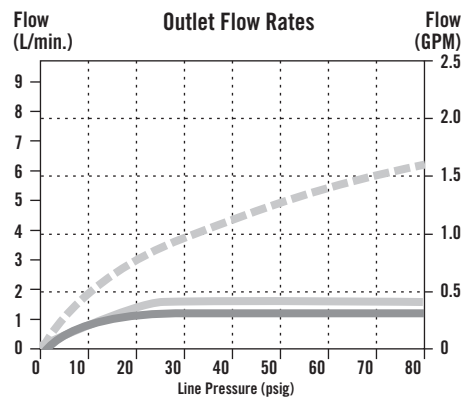
## APPROVALS:

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

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

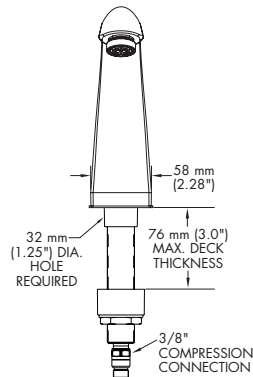
Patented

## FLOW RATE VS PRESSURE

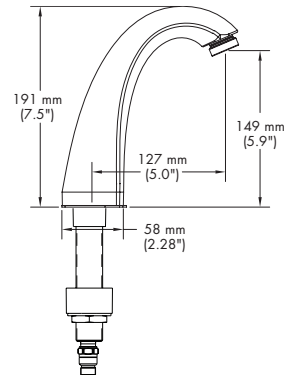


## 590TP SERIES

### FRONT VIEW

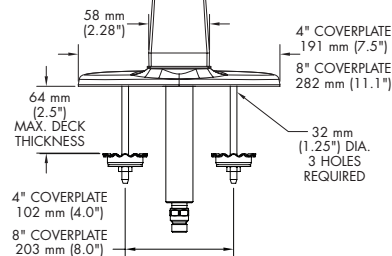


### SIDE VIEW

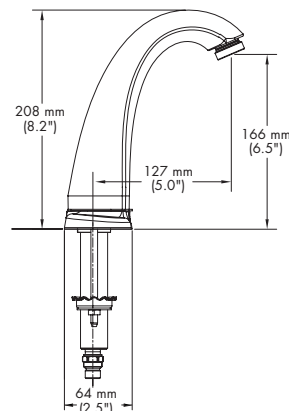


## 4" AND 8" COVERPLATE (ORDER SEPARATELY)

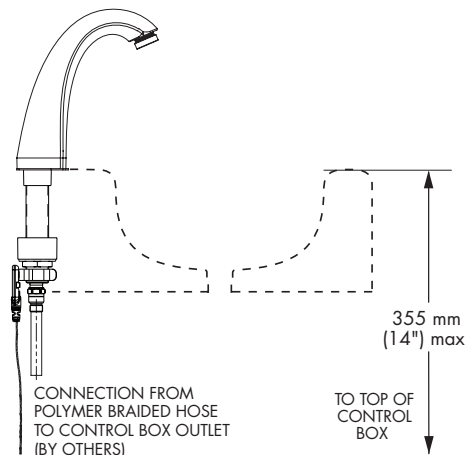
### FRONT VIEW



### SIDE VIEW



## TYPICAL INSTALLATION



## OPTIONAL COVERPLATES

PRODUCT NO.	DESCRIPTION
061159A	4" Coverplate
061160A	8" Coverplate

Available optional coverplates for field conversion. Includes anti-rotation pin for secure public lavatory installation.

Note: Measurements may vary  $\pm 6$ mm (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.

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

# 590TP Series – Electronic Faucet Trim For Recess Mounted Control Box

**TECK<sup>®</sup>**  
COMMERCIAL



## 590TP0 & 590TP1 SERIES

- ☐ 590TP0 Hardwire
- ☐ 590TP1 Battery Operated

### 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:** Trim used with ELAVT0001ARI designed for routine 180°F (82°C) disinfection cycles up to 10 minutes. Trim used with ELAVT0008ARI is not recommended for high temperature disinfection cycles as the thermostatic mixing valve limits the higher temperature flow outlet.

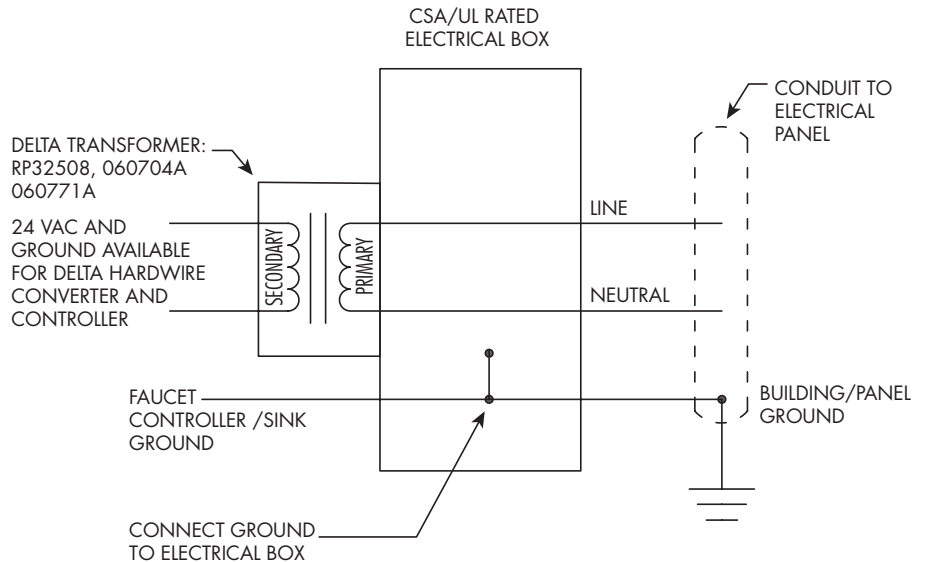
**NOTE 3:** Use 3-conductor 18AWG wire between transformer and hardwire converter/driver board earth ground.

**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](http://www.specselect.com).

## 590TP SERIES ELECTRONIC DECK MOUNT LAVATORY FAUCET

### ELECTRICAL SCHEMATICS



### AVAILABLE OPTIONS FOR FIELD CONVERSION

- ☐ 061047A  
Hardwire with Battery Backup  
See DSP-BB for detailed specification.
- ☐ 060651A  
3 Position Switch  
See DSP-ELACC for detailed specification.

### OPTIONAL ACCESSORIES

✓	TRANSFORMERS
	060704A 110 to 24 VAC Class 2 20 VA (Up to 5 Electronic Valves)
	060771A 110 to 24 VAC Class 2 40 VA (Up to 10 Electronic Valves)
✓	CORDS
	061256A 36" Cable Extension

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

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

Note: Use all pages as product submittal sheets.