

Selecting  
the perfect  
electronic  
sensor faucet





Whether it's regulating water flow, preventing waste or avoiding contamination, sensor faucets provide a reliable, convenient solution that's easy to use and control. With a complete line of models designed to fit a wide variety of applications, T&S offers the very latest innovations in electronic sensor faucet technology.

# Why electronic sensor faucets?

## Cleaner & more efficient: the benefits of hands-free faucets

### Improved Hygiene



It's easy to see how quickly germs can spread when multiple employees and customers touch the same faucet handle. Between frequent contact and ineffective hand-washing, disease transmission is all too common. With a hands-free faucet, the risk of contamination is greatly reduced — cutting staff absenteeism and protecting everyone's health.

### Smart Conservation



With sensor-operated faucets in place, saving water is simple and efficient. In fact, nearly one gallon (3.79 liters) of tempered water can be saved with every effective hand wash (approximately 20 seconds at 2.2 GPM [8.33 LPM]). When combined with the energy savings realized by not heating as much water, the result is less cost, less waste and less environmental impact. Installing electronic sensor faucets can also help achieve LEED certification for new buildings — making them a smart choice across the board.

# Right at home in any environment

Electronic sensor faucet technology is ideal for kitchens and restrooms in any environment, but especially:

## *The clear choice:*

*T&S electronic sensor faucets offer unparalleled performance and industry-leading durability — all backed by our solid reputation for trusted reliability.*



### **HEALTHCARE**

preventing the spread of bacteria and viruses



### **EDUCATION**

preventing water waste and the spread of germs



### **FOODSERVICE**

improving kitchen efficiency while preventing cross-contamination

# Why choose T&S?



From selecting the right model and options to installing and maintaining your new electronic sensor faucet, T&S strives to take the complexity out of the entire process. Before you even begin, our experts have carefully considered what customers need most, then included those essential features on the base model. It's just one more reason T&S ChekPoint electronic sensor faucets are the trusted choice for customers around the world.

## Selecting/Ordering

While the competition offers a confusing mix of features and costly add-ons, T&S gives you peace of mind from the start with a properly equipped base model. Whether it's the standard side levers on the mixing valves of our above-deck models or the plug-in wall transformers available on all our models at no upcharge, we're committed to delivering exactly what you need. With eight carefully designed base models to choose from, the ChekPoint line offers real selection and the right features — the first time.

## Ease of Installation/ Maintenance

With T&S, you get an easy-to-use, fully capable setup featuring all the technology you need — without the complex programming and separate parts you'll find with the competition. Our experts have engineered and designed a cutting-edge electronic sensor faucet that takes all the guesswork out of installation and maintenance.

## Overall Quality

Choose quality the first time with T&S' legendary reliability and heavy-duty construction. Our entire ChekPoint line is the result of rigorous cycle testing during product development, followed by additional quality checks and testing right on the manufacturing floor. Plus, you can rest assured that ChekPoint faucets will stand up to any environment thanks to our all-metal design, offering superior strength compared with some competitors' chrome-plated plastic parts.

# Discover our complete ChekPoint line.



As with every product, our selection of above- and below-deck electronic sensor faucets comes with legendary T&S reliability built in. Explore our lineup below, including new offerings that add even more value than ever.

## Above Deck:



**EC-3122**  
deck-mounted  
spout

**EC-3130**  
deck-mounted  
gooseneck

**EC-3132**  
deck-mounted  
cast spout

## Below Deck:



**EC-3100**  
deck-mounted  
gooseneck

**EC-3101**  
backsplash-mounted  
gooseneck

**EC-3102**  
deck-mounted  
cast spout

**EC-3103**  
deck-mounted  
cast spout

**EC-3106**  
deck-mounted spout  
with dual modes\*

## Reliable by Design — The following features come **standard** on every ChekPoint model:

- ✓ **Water-resistant control module:** keeps electronics protected
- ✓ **AC/DC power:** offers choice of power supply
- ✓ **Proven electronic technology:** comes with cutting-edge innovations built in
- ✓ **Adjustable temperature control mixing valve:** uses ratios to favor hot, cold or mixed water
- ✓ **Adjustable water shut-off delay:** sets the number of seconds water runs before shutting off
- ✓ **Adjustable sensor range:** allows customization based on sink size or personal preference
- ✓ **Adjustable automatic time-out:** turns off faucet after a set period in case sensor is tampered with
- ✓ **Auto-flush:** rinses the system automatically
- ✓ **Low battery indicator LED light:** easily prevents downtime
- ✓ **Vandal-resistant aerator:** comes with 2.2 GPM (8.33 LPM); other flows available
- ✓ **Vandal-resistant outlet key:** provides easy access to aerator for installation or removal
- ✓ **Filtered solenoid valve with serviceable strainer filter:** keeps debris out and the faucet running smoothly
- ✓ **Pre-assembled with mounting hardware and tee wrench installation tool included\*\*:** makes prep work and installation simple
- ✓ **No sealant required:** ensures easy installation
- ✓ **Modular quick-release sensor connection:** prevents sensor cable from becoming dislodged while providing protection for a water-resistant connection (for below-deck models only)
- ✓ **All-stainless steel braided hoses:** adds protection for vital parts
- ✓ **Chrome-plated brass:** enhances durability
- ✓ **ADA-compliant:** guarantees viability in any facility
- ✓ **Check valves:** prevents crossflow

\* Functional in non-sensor mode if needed.

\*\* Tee wrench not included for EC-3101, EC-3122, EC-3130, EC-3132.



# Consider your options.

The T&S ChekPoint line offers more options than ever, allowing you to create the perfect solution for your needs. Before you get started, however, it's important to ask the right questions. Considering a few preliminary needs will help you make the best decisions along the way — and ultimately order the ideal electronic sensor faucet for your application.



- *Do you need a deck mount or wall mount faucet?*
- *Do you prefer above-deck or below-deck electronics?*
- *Do you have any unique nozzle requirements?*
- *How will you power your electronic faucet(s)?*
- *Do you have any other special needs, such as low-flow aerators or thermostatic mixing valves?*

## ▶ Deck mount vs. wall mount



Deck-mount



Wall-mount

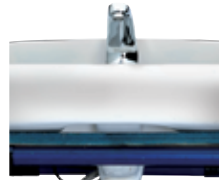
If your project is new construction or a full remodel, you can choose to install the faucet of your choice. If your project is a retrofit, you'll need to select a model that fits your current configuration.

T&S offers **4-in.** (10.16 cm) or **8-in.** (20.32 cm) **deck plates** (measured from center — hole to hole) to cover any remaining holes after replacing your current faucet with a single-hole electronic faucet.

## ➤ Above deck vs. below deck



Above deck



Below deck

Simply put, electronic sensor faucets come in two basic configurations — **below deck**, with the electronics housed below the sink, and **above deck**, with the electronics housed within the faucet body. In general, this option is typically a matter of preference, but there are a few things to consider before choosing a setup.

### ABOVE DECK:

- Cleaner look
- Easy to retrofit for existing applications
- Simple access for maintenance
- Option of point-of-use temperature mixing or pre-set mixing ratio (both mechanical)\*

### BELOW DECK:

- Electronics location is more discrete
- Modular design
- Pre-set water mixing ratio

## ➤ Nozzle requirements



Our standard gooseneck is designed to provide ample space to maneuver in a variety of settings. If you have a unique sink area and require a different nozzle, we offer the option to order your ChekPoint faucet **“less nozzle” (-LN)**, then select from an assortment of rigid goosenecks.\*\* For example, healthcare facilities typically use the surgical bend gooseneck nozzle with a laminar flow outlet.

*T&S offers several rigid gooseneck options, ranging in spread and height. See the catalog for details.*

\* Does not apply to EC-3122.

\*\* Only available for the EC-3100 deck mount and EC-3101 wall mount.

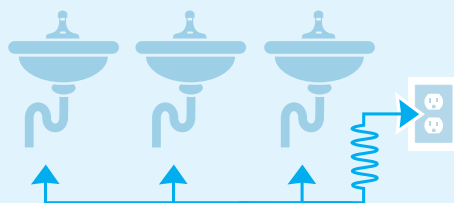


more options

## Power source

Every ChekPoint faucet comes with the convenience of a 12-ft. (3.66 m) electric dual plug-in (AC) and battery (DC) power options, so there's never a need to install additional AC outlets.

If you'd prefer to use **AC power** but *don't have enough outlets available*, ChekPoint faucets are compatible with both EC-HARDWIRE and EC-EASYWIRE, allowing connections of up to eight units with one transformer.



If you *have no power source available*, you can use **DC power**, or create your own energy using the EC-HYDROGEN, a self-contained power source that generates and stores its own power with each use.



## Power options

### Easywire



Installed under the counter, this option connects up to eight faucets to a single power supply. Simple and straightforward, this setup can be installed without an electrician on-site, and it can even be used to retrofit second-generation-or-newer models of the ChekPoint line.

**EC-EASYWIRE:** 100-240 VAC plug-in transformer

**EC-EASYWIRE4CC:** 4-ft. (1.22 m) connector cables for EASYWIRE AC transformer connections (When ordering, please order one T-connector cable less than the total number of faucets.)

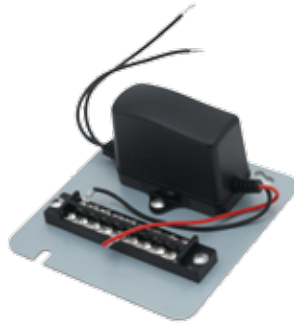
**EC-EASYWIRE5EXT:** 5-ft. (1.52 m) extension cables for when additional length is needed for connections from either faucet-to-faucet or connector-cable-to-faucet



*Less cost. Less waste.  
Less impact.*

*Sensor faucets are an ideal way  
to lower water bills, conserve  
valuable resources and reduce  
your facility's environmental  
footprint with one simple  
installation.*

## Hardwire



Typically used in new construction or complete remodels, this option is ideal when an electrician is already on-site or potential vandalism is a concern. With all the wiring behind the wall, this setup connects up to eight faucets to a single power supply.

**EC-HARDWIRE:** Electronic AC transformer INPUT: 100-240 VAC, 47-63Hz, OUTPUT: 6.5 VDC / 2000mA with terminal block for up to (8) faucet connections (wiring not included)

**EC-ADEWIRE:** 33-ft. (10.06 m) long cable used for EC-HARDWIRE for each above deck electronic (ADE) faucet

## Hydro-generator



EC-HYDROGEN utilizes hydroelectric power, eliminating the need for batteries or transformers. With a million-plus lifecycle, the reliable turbine-powered unit is particularly helpful in the foodservice setting, where hand sinks are sometimes required in the middle of a crowded cooking space. (Minimum of 1 GPM [3.79 LPM] flow required.)



more options

## ➤ Outlet devices

Every ChekPoint faucet comes standard with a 2.2 GPM (8.33 LPM) vandal-resistant aerator, and a variety of optional outlet devices are also available, including non-aerated, low-flow aerators and laminar flow aerators. Choose from a 0.5 (1.89), 1.0 (3.79) and 1.5 GPM (5.68 LPM) flow rate to complete your ideal faucet configuration.

**SMALL PART. BIG SAVINGS.**

See how much you could save by choosing a low-flow aerator at [tsbrass.com/calc/aerator](https://tsbrass.com/calc/aerator).



**B-0199-06-N05**

Spray Device  
0.5 GPM  
Vandal Resistant



**B-0199-08-LF10**

Laminar Flow Outlet  
1.0 GPM  
Vandal Resistant



**B-0199-07-F10**

Laminar Flow Outlet  
1.0 GPM  
Vandal Resistant



**B-0199-29VR**

Laminar Flow Device  
1.5 GPM  
Vandal Resistant



**B-0199-06-WS**

Aerator  
1.5 GPM  
Vandal Resistant



**B-0199-28**

Laminar Flow Outlet  
2.2 GPM  
Vandal Resistant

*Everything you want.  
Exactly what you need.*

*With a wide assortment of  
available options and a reputation  
for reliability that's backed by  
rigorous testing, T&S offers smarter  
solutions that are uniquely  
suited to your needs.*

## ➤ Thermostatic mixing valves



**EC-TMV**  
Below Deck  
Installation



**EC-SMT**  
Above Deck/Side  
Mount Installation

By ensuring water is delivered at the ideal temperature, thermostatic mixing valves can help prevent scalding accidents. T&S offers both side-mount and below-deck options — all featuring solid, low-lead brass construction and integral check valves to prevent backflow and crossflow. Thermostatic mixing valve options are available for all ChekPoint faucets and accessories.

### **BELOW DECK INSTALLATION:**

The EC-TMV provides a direct replacement for standard mechanical mixing valves, and allows facility managers to exclusively set the ideal water temperature.

### **ABOVE DECK/SIDE MOUNT INSTALLATION:**

The EC-SMT (for EC-3100/3102 only) is designed for above-deck, side-mount installations, and allows users to adjust the water temperature to their liking with a set range predetermined by the facility manager.

# Your perfect sensor faucet awaits.



Use this chart to easily compare features on our entire line of ChekPoint electronic faucets. No matter what your application demands, T&S has the performance and reliability to make your sensor faucet perform flawlessly day after day.

This chart outlines the features and options we currently offer. For specific availability, please contact your T&S representative or call our customer service department.

|              | EC-3100 | EC-3101      | EC-3102      | EC-3103      | EC-3106      |
|--------------|---------|--------------|--------------|--------------|--------------|
|              | ✓       | ✓            | ✓            | ✓            | ✓            |
|              | ✓       | ✓            | ✓            | ✓            | ✓            |
|              | ✓       | ✓            | ✓            | ✓            | ✓            |
|              | ✓       | ✓            |              |              |              |
|              | ✓       | ✓            | ✓            | ✓            | ✓            |
|              | ✓       | ✓            | ✓            | ✓            | ✓            |
|              | ★       | ★            | ★            |              | ★            |
|              | ★       |              | ★            |              | ★            |
| EC-3100-LF22 |         | EC-3101-LF22 | EC-3102-LF22 | EC-3103-LF22 | EC-3106-LF22 |
| EC-3100-VF05 |         | EC-3101-VF05 | EC-3102-VF05 | EC-3103-VF05 | EC-3106-VF05 |
| ★            |         | ★            | ★            | ★            | ★            |
| ★            |         | ★            |              |              |              |
| ★            |         | ★            | ★            | ★            | ★            |
| ★            |         | ★            | ★            | ★            | ★            |
| EC-3100-HG   |         | EC-3101-HG   | EC-3102-HG   | EC-3103-HG   | EC-3106-HG   |
| ★            |         | ★            | ★            | ★            | ★            |
| EC-3100-SM   |         |              | EC-3102-SM   |              | ★            |
| EC-3100-SMT  |         |              | EC-3102-SMT  | ★            | ★            |
| EC-3100-TMV  |         | EC-3101-TMV  | EC-3102-TMV  | EC-3103-TMV  |              |

## CHEKPOINT ELECTRONIC FAUCETS

|   | EC-3122      | EC-3130      | EC-3132      |
|---|--------------|--------------|--------------|
| <b>Above Deck Electronics (ADE)</b>                                 | ✓            | ✓            | ✓            |
| <b>AC/DC Power</b>  | ✓            | ✓            | ✓            |
| <b>Point-of-Use Temperature Control Lever (Above Deck)</b>          | ✓            | ✓            | ✓            |
| <b>Mechanical Temperature Control Mixing Valve (Below Deck)</b>     |              |              |              |
| <b>Check Valves</b>   | ✓            | ✓            | ✓            |
| <b>Swivel Gooseneck</b>   |              | ✓            |              |
| <b>Rigid Gooseneck</b>  |              | Optional     |              |
| <b>Spout</b>  | ✓            |              | ✓            |
| <b>Dual Mode Electronic or Manual Operation</b>                     |              |              |              |
| <b>Transformer Plug-In with Split Tail Power Cable (12-ft.)</b>     | ✓            | ✓            | ✓            |
| <b>2.2 GPM Aerator, Vandal-Resistant (B-0199-06/08)</b>             | ✓            | ✓            | ✓            |
| <b>BASE MODEL FEATURES</b>  |              |              |              |
| <b>Forged Brass Deckplate, 4-in. (-4DP)</b>                         | EC-3122-4DP  | EC-3130-4DP  | EC-3132-4DP  |
| <b>Forged Brass Deckplate, 8-in. (-8DP)</b>                         | EC-3122-8DP  | EC-3130-8DP  | EC-3132-8DP  |
| <b>2.2 GPM Laminar Flow Outlet, Vandal-Resistant (-LF22)</b>        | EC-3122-LF22 | EC-3130-LF22 | EC-3132-LF22 |
| <b>0.5 GPM Non-Aerated Outlet, Vandal-Resistant (-VF05)</b>         | EC-3122-VF05 | EC-3130-VF05 | EC-3132-VF05 |
| <b>1.0 GPM Non-Aerated Outlet, Vandal-Resistant</b>                 | ★            | ★            | ★            |
| <b>Surgical Bend Gooseneck (-SB)</b>                                |              |              |              |
| <b>EC-EASYWIRE</b>  | ★            | ★            | ★            |
| <b>EC-HARDWIRE</b>  | ★            | ★            | ★            |
| <b>EC-ADEWIRE</b>   | ★            | ★            | ★            |
| <b>Hydrogenerator Model (-HG)</b>                                   | EC-3122-HG   | EC-3130-HG   | EC-3132-HG   |
| <b>Hydrogenerator as Retrofit (EC-HYDROGEN)</b>                     | ★            | ★            | ★            |
| <b>Optional side lever for adjustable temperature control (-SM)</b> |              |              |              |
| <b>Side-Mount Above Deck Thermostatic Mixing Valve (-SMT)</b>       |              | ★            | ★            |
| <b>Below Deck Thermostatic Mixing Valve (-TMV)</b>                  | ★            | ★            | ★            |
| <b>BASE MODEL OPTIONS</b>   |              |              |              |

# Make it yours.



Now it's time to pull together your choices and contact your T&S representative to place an order. You can also call our customer service department directly at 1-800-476-4103 and they'll be happy to assist you. Remember to refer to the chart on Page 6 for details regarding availability.

**As you finalize your order, the following charts may also be helpful:**

### ELECTRONIC SENSOR FAUCET OPTIONS

| Suffix/Option | Description   | Applicable Models |
|---------------|---|-------------------|
| -HG           | Hydrogenerator  | All models        |
| -LN           | Less nozzle; specify any T&S rigid gooseneck model            | EC-3100, EC-3101  |
| -SB           | Surgical Bend Gooseneck                                       | EC-3100, EC-3101  |
| -SM           | Side-Mount Mechanical Mixing Valve                            | EC-3100, EC-3102  |
| -SMT          | Side-Mount Thermostatic Mixing Valve                          | EC-3100, EC-3102  |
| -TMV          | Below Deck Thermostatic Mixing Valve                          | All models        |
| -LF22         | 2.2 GPM Vandal-Resistant Laminar Flow                         | All models        |
| -VF05         | 0.5 GPM Vandal-Resistant Non-Aerated Outlet                   | All models        |
| EC-HARDWIRE   | Gang up to 8 faucets/one power supply                         | All models*       |
| EC-EASYWIRE   | Gang up to 8 faucets/one power supply                         | All models        |
| EC-HYDROGEN   | To add or retrofit to an existing ChekPoint electronic faucet | All models        |

\* EC-ADEWIRE also needed for use w/ EC-3122, EC-3130 and EC-3132.

To add a deckplate to an existing ChekPoint Electronic Faucet, simply order with these part numbers for each faucet:



| Model          | 4-in. Deckplate | 8-in. Deckplate |
|----------------|-----------------|-----------------|
| <b>EC-3100</b> | 013433-40       | 013434-40       |
| <b>EC-3101</b> | n/a             | n/a             |
| <b>EC-3102</b> | 013433-40       | 013434-40       |
| <b>EC-3103</b> | n/a             | n/a             |
| <b>EC-3106</b> | 013433-40       | 013434-40       |
| <b>EC-3122</b> | 018282-40       | 018507-40       |
| <b>EC-3130</b> | 013433-40       | 013434-40       |
| <b>EC-3132</b> | 013433-40       | 013434-40       |



## A history of excellence.

T&S Brass and Bronze Works has built a reputation for quality, service and innovation for more than 60 years — beginning with our original pre-rinse unit, the market's very first. Today, our products have become the standard for many U.S. hospitals, schools, restaurants, supermarkets and public facilities.





**RELIABILITY BUILT IN™**

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