

Selecting
the perfect
electronic
sensor faucet





Why electronic sensor faucets?

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.

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-3130

deck-mounted
gooseneck

EC-3132

deck-mounted
cast spout

EC-3142

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
(4" centers, 3 hole)

EC-3104

deck-mounted cast spout
(4" centers, 2 hole)

EC-3105

backsplash-mounted
gooseneck

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.

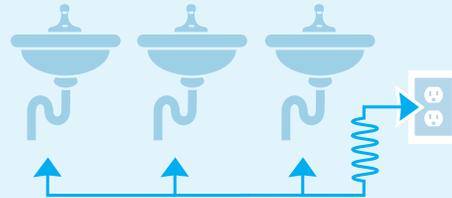
more options

Power source

Every ChekPoint faucet comes with the convenience of a 71" (1.8 m) single lead 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

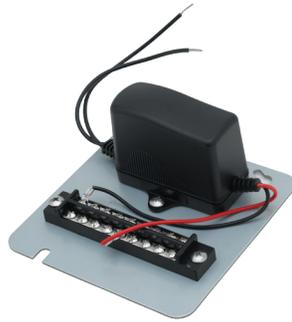
EC-EASYWIRE4CC: 4-ft. (1.22 m) connector cables for EASYWIRE AC transformer connections (When ordering, please order one T-connector cable less than the total number of faucets.)

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.

EC-HYDROGEN: Fits all ChekPoint Electronic Sensor Faucets. Includes a 1/2" NPSM swivel adapter, a hydrogenerator with 1/2" NPSM inlet and outlet, and attached power cord for connection to the existing sensor faucet control module. Minimum of 1 GPM [3.79 LPM] flow required.

EC-HYDROGEN-LF: Includes a female-to-female 1/2" NPSM swivel adapter, a hydrogenerator with 1/2" NPSM inlet and outlet, and attached power cord for connection to the existing sensor faucet control module. Flow rate of 0.5 to 1.0 GPM is required for applications using EC-HYDROGEN-LF.

* Requires a minimum of ten activations a day at a minimum of both 0.5 GPM and 20 PSI to maintain charge.



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.



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.



CHEKPOINT ELECTRONIC FAUCETS

	EC-3130	EC-3132	EC-3142	EC-3100
Above Deck Electronics (ADE)	✓	✓	✓	
AC/DC Power	✓	✓	✓	✓
Adjustable Temperature Control Mixing Valve (Above Deck)	✓	✓	✓	
Adjustable Temperature Control Mixing Valve (Below Deck)				✓
Check Valves	✓	✓	✓	✓
Swivel Gooseneck	✓			
Rigid Gooseneck	Optional			✓
Spout		✓	✓	
Transformer Plug-In (6 ft.)	✓	✓	✓	✓
2.2 GPM Aerator, Vandal-Resistant	✓	✓	✓	✓
BASE MODEL FEATURES				
Forged Brass Deckplate, 4-in. (-4DP)	EC-3130-4DP	EC-3132-4DP	EC-3142-4DP	★
Forged Brass Deckplate, 8-in. (-8DP)	EC-3130-8DP	EC-3132-8DP	EC-3142-8DP	★
2.2 GPM Laminar Flow Outlet, Vandal-Resistant (-LF22)	EC-3130-LF22	EC-3132-LF22	EC-3142-LF22	EC-3100-LF22
0.5 GPM Non-Aerated Outlet, Vandal-Resistant (-VF05)	EC-3130-VF05	EC-3132-VF05	EC-3142-VF05	EC-3100-VF05
1.0 GPM Non-Aerated Outlet, Vandal-Resistant	★	★	★	★
Surgical Bend Gooseneck (-SB)				★
EC-EASYWIRE	★	★	★	★
EC-HARDWIRE	★	★	★	★
EC-ADEWIRE	★	★	★	
Hydrogenerator Model (-HG)	EC-3130-HG	EC-3132-HG	EC-3142-HG	EC-3100-HG
Hydrogenerator as Retrofit (EC-HYDROGEN)	★	★	★	★
Hydrogenerator Low Flow Model (-LF)				
Side-Mount Above Deck Thermostatic Mixing Valve (-SMT)				★
Below Deck Thermostatic Mixing Valve (-TMV)	★	★	★	EC-3100-TMV
Optional Side Lever for Adjustable Temperature Control	★	★	★	★
BASE MODEL OPTIONS				

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, EC-3105
-SB	Surgical Bend Gooseneck	EC-3100, EC-3101, EC-3105
-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-HYDROGEN-LF	To add or retrofit to an existing ChekPoint electronic faucet (0.5 gpm-1.0 gpm)	All models

*EC-ADEWIRE also needed for use w/ EC-3122, EC-3130, EC-3132 and EC-3142.

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

4-in. Deckplate	8-in. Deckplate
013433-40	013434-40

*Not available for EC-3101 and EC-3103.



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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