**Electronic Hand Soap System**

**SPECIFICATION (example)**
- Deck mount electronic hand soap dispenser
- Sensor detects user's hand to automatically dispense soap
- 4 'D' Cell Batteries (included)
- Spacer (included) if sink rim is 3/4" high or greater
- 800 ml Lotion Hand Soap with Moisturizer (included)
- LED light blinks when refill is low
- LED light blinks when battery is low

- **DESD-250**
  - Chrome spout
- **DESD-550**
  - Chrome CAST spout
- **060918A**
  - Soap Dispenser Plug-in transformer

**SPECIFICATION (example)**
- Soap refill
- 1600 ml
- 4/carton

- **060916A**
  - Antibacterial Hand Soap
- **060917A**
  - Lotion Hand Soap with Moisturizers

**SOAP REFILLS**

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

Refer to Spec Select for individual models. Note: Use this page as a product submittal sheet.

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.
PRINT THIS BLANK PAGE
# Electronic Faucet
## 590T0 & 590T1 Series

**Specifications:**
- **Battery** (4 'C' cell) or **Hardwire** (24 VAC) infrared electronic handwash system
- **H₂OPTICS™** technology – no external adjustments required
- Chrome plated one piece **CAST** Hi-Rise spout with integral sensor
- Adjustable sensing range and timeout
- Audible low battery indicator
- Forged brass solenoid valve (control box No. 0 only)
- Tempered water supplied to solenoid valve, (except control box options No. 0 and 1)

### Optional Components
- **Battery Operated**
- **Hardwire**
  - (specify battery or hardwire)
  - (add outlet required)
  - (add control box required)
  - (transformer - specify separately - See Back Page)

### Specification:
- **Battery** (4 'C' cell) or **Hardwire** (24 VAC) infrared electronic handwash system
- **H₂OPTICS™** technology – no external adjustments required
- Chrome plated one piece **CAST** Hi-Rise spout with integral sensor
- Adjustable sensing range and timeout
- Audible low battery indicator
- Forged brass solenoid valve (control box No. 0 only)
- Tempered water supplied to solenoid valve, (except control box options No. 0 and 1)

### Engineer/Architect Approval
- **Model Specified:**
- **Approval:**
- **Date:**

### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>Product No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardwire</td>
<td>590T0</td>
</tr>
<tr>
<td>Battery Operated</td>
<td>590T1</td>
</tr>
</tbody>
</table>

### Spout & Sensor

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Single Hole Deckmount Hi-Rise Spout with Integral Sensor</td>
</tr>
<tr>
<td>1</td>
<td>Deckmount Hi-Rise Spout with Integral Sensor and 4&quot; Forged Coverplate</td>
</tr>
<tr>
<td>2</td>
<td>Deckmount Hi-Rise Spout with Integral Sensor and 4&quot; Forged Coverplate</td>
</tr>
<tr>
<td>3</td>
<td>Deckmount Hi-Rise Spout with Integral Sensor and 4&quot; Forged Coverplate</td>
</tr>
<tr>
<td>4</td>
<td>Deckmount Hi-Rise Spout with Integral Sensor and 8&quot; Forged Coverplate</td>
</tr>
</tbody>
</table>

### Outlet

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
</tr>
</thead>
</table>
| 0           | Base Model with Surface Mount Housing®
  - SEE Specification Drawing #13 |
| 1           | For RECESSED MOUNTING
  - Components ASSEMBLED in 10" Box w/S/S Cover.
  - SEE Specification Drawing #14 |

### Control Box

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
</tr>
</thead>
</table>
| 0           | Base Model with Surface Mount Housing®
  - SEE Specification Drawing #13 |
| 1           | For RECESSED MOUNTING
  - Components ASSEMBLED in 10" Box w/S/S Cover.
  - SEE Specification Drawing #14 |

### Notes:
- **Mixing Valve** supplied by others.
- **(1)** With Thermostatic Limit Stop.
- Refer to www.specselect.com for individual 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 for finish options and product availability.
Electronic Faucet
590T0 & 590T1 Series

DELTA Commercial

TECK®

590T0 & 590T1 Series

**Approvals:**
- CSA certified
- Complies to ASME A112.18.1
- ADA Compliant and meets Handicapped Accessibility
- Standard ASME A117.1 of less than 5 lbs. handle operating force.
- IAPMO listed
- Control Box Option 6 Mechanical Mixing Valve CSA certified
- Control Box Option 8 Thermostatic Mixing Valve CSA certified and meets ASSE 1016
  (Contact Delta Representative for State and/or Local Approvals.)
- U.S. Patent #6, 826, 455.

**Dimensions:**
- For reference only. See current full-line price book or www.specselect.com for finish options and product availability.

**Supplied:**
- 3/8" MIP Outlet from Box
- 3/8" Compression Joint at Spout
- BALANCE BY OTHERS
- 257mm (10.13") Control Box
- Inlets - 1/2" Copper
- 305mm (12") Stainless Steel Cover Plate
- 355mm (14") max.
- Flexible, Sensor Cord Conduit
- SUPPLIED: 3/8" MIP Outlet from Box
- 3/8" Compression Joint at Spout
- BALANCE BY OTHERS

**Flowrate vs Pressure**

![Flowrate vs Pressure Graph](image)

**Spout Outlets**
- No. 3 Aerator
- No. 5 Flow Control Outlet
- No. 2 Laminar Flow Outlet
- No. 6 Flow Control Outlet

**Operation:**
- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon de-activation of sensor.
- Auto shut-off feature that is selectable between 15 to 75 seconds. Factory set to 45 seconds. Will reset once obstruction is removed.
- Adjustable sensing distance 76 to 381mm (3" to 15") factory set to 229mm (9") (+/- 1.0")
- Low battery audible beep (for battery models only) will activate after faucet shuts off when approximately 1500 cycles remain.

**Note:** 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.

**Flowrates**

<table>
<thead>
<tr>
<th>Outlet No.</th>
<th>&quot;D&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>5</td>
<td>11</td>
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<tr>
<td>6</td>
<td>11</td>
</tr>
</tbody>
</table>

**OUTLET "D"**

<table>
<thead>
<tr>
<th>Outlet No.</th>
<th>&quot;D&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>5</td>
<td>11</td>
</tr>
<tr>
<td>6</td>
<td>11</td>
</tr>
</tbody>
</table>

**Note:** Measurements may vary ± 6mm (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.**

**DSP–590T**

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.
**Electronic Faucet - 591T Series**

**4" Cast Lavatory**

**Specification: (example)**

- **102mm (4")** electronic faucet
- **CAST** one-piece body with integral waterproof sensor and connector
- Polished chrome plated trim
- **Battery** (4AA) or **Hardwire** (24VAC) infrared electronic handwash
- H₂OPTICS™ technology – no external adjustments required
- Serviceable filter screen upstream of the valve
- **Metal hold-down package**
- Tempered water supplied to solenoid valve, (except control box options No. 0 and 1) and...
- with... (specify battery or hardwire) with...
- with... (add outlet required) with...
- with... (transformer - specify separately - See Back Page)

**Engineer/Architect Approval**

Model Specified:  
Approval: Date:  

---

<table>
<thead>
<tr>
<th><strong>DESCRIPTION</strong></th>
<th><strong>PRODUCT NO.</strong></th>
<th><strong>FOR</strong></th>
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<tr>
<td><strong>Hardwire</strong></td>
<td><strong>591T102</strong></td>
<td>Chrome</td>
</tr>
<tr>
<td></td>
<td><strong>591T102 - PB</strong></td>
<td>Brilliance® Polished Brass</td>
</tr>
<tr>
<td></td>
<td><strong>591T102 - SS</strong></td>
<td>Brilliance® Stainless Steel</td>
</tr>
<tr>
<td><strong>Battery Operated</strong></td>
<td><strong>591T12</strong></td>
<td>Chrome</td>
</tr>
<tr>
<td></td>
<td><strong>591T12 - PB</strong></td>
<td>Brilliance® Polished Brass</td>
</tr>
<tr>
<td></td>
<td><strong>591T12 - SS</strong></td>
<td>Brilliance® Stainless Steel</td>
</tr>
</tbody>
</table>

---

**SPOUT & SENSOR**

| **0** | | |
| **1** | | |
| **2** | **4" CAST** | Lavatory Spout |
| **3** | | |
| **4** | | |
| **5** | | |
| **6** | | |
| **7** | | |
| **8** | | |
| **9** | | |

**OUTLET**

| **0** | | |
| **1** | | |
| **2** | | |
| **3** | | |
| **4** | | |
| **5** | Vandal Resistant 0.5 USGPM (1.9 L/min) Flow Control Non-Aerating Spray Outlet |
| **6** | Vandal Resistant 1.0 USGPM (3.8 L/min) Flow Control Non-Aerating Spray Outlet |
| **7** | | |
| **8** | | |
| **9** | | |

**CONTROL BOX**

| **0** | Base Model with Surface Mount Housing®
SEE Specification Drawing #1 |
| **1** | For RECESSED MOUNTING Components ASSEMBLED in 10" Box w/S/S Cover.
SEE Specification Drawing #2 |
| **2** | | |
| **3** | | |
| **4** | | |
| **5** | | |
| **6** | For RECESSED MOUNTING Components & Mechanical Mixing Valve (1)
ASSEMBLED in 10" Box w/S/S Cover.
SEE Specification Drawing #3 |
| **7** | | |
| **8** | For RECESSED MOUNTING Components & Thermostatic Mixing Valve
ASSEMBLED in 10" Box w/S/S Cover.
SEE Specification Drawing #4 |
| **9** | | |

**Mixing Valve** supplied by others.  
(1) With Thermostatic Limit Stop.  
Refer to www.specselect.com for individual 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 for finish options and product availability.

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Flowrates are at 60 PSI.

---

Page 5.C.3
Electronic Faucet - 591T Series
4" Cast Lavatory

**Approvals:**
- CSA certified
- Complies to ASME A112.18.1
- ADA Compliant and meets Standard ASME A117.1 of less than 5 lbs. handle operating force.
- IAPMO listed
- Control Box Option 6 Mechanical Mixing Valve CSA certified
- Control Box Option 8 Thermostatic Mixing Valve CSA certified and meets ASSE 1016 (Contact Delta Representative for State and/or Local Approvals)

U.S. Patent # 6,826,455

**FLOWRATE vs PRESSURE**

<table>
<thead>
<tr>
<th>Flowrate (l/min)</th>
<th>Outlet Flowrates (USGPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>1.5</td>
<td>2.5</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>2.5</td>
<td>3.5</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
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<td>8</td>
<td>9</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
</tr>
</tbody>
</table>

**OPERATION:**
- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon deactivation of sensor.
- Includes self adaptive technology. No external adjustments required.
- Sensing zone approximately 178mm (7”).
- 45 second maximum run time. Will reset once obstruction is removed.
- Low battery audible beep (for battery models only). Will activate after faucet shuts off when approximately 1500 cycles remain.

**NOTE:** 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: Measurements may vary ± 6mm (0.25”)

**TECK®**

**Front View**

**Side View**

**591T1250 Typical Installation**

**CAST SPOUT OUTLET NO.**

<table>
<thead>
<tr>
<th>D”</th>
<th>mm</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>11</td>
<td>0.45</td>
</tr>
<tr>
<td>6</td>
<td>11</td>
<td>0.45</td>
</tr>
</tbody>
</table>

**OPERATION:**
- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon deactivation of sensor.
- Includes self adaptive technology. No external adjustments required.
- Sensing zone approximately 178mm (7”).
- 45 second maximum run time. Will reset once obstruction is removed.
- Low battery audible beep (for battery models only). Will activate after faucet shuts off when approximately 1500 cycles remain.

**NOTE:** 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: Measurements may vary ± 6mm (0.25”)

**TRANSFORMERS:**
- 060704A 110 to 24VAC Class II 20VA (Up to 10 Electronic Valves)
- 060771A 110 to 24VAC Class II 40VA (Up to 20 Electronic Valves)
- 060772A 110 to 24VAC Class II 100VA (Up to 50 Electronic Valves)

**CORDS:**
- RP40071 24” Sensor Cable Extension Kit

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

DSP-591T Rev. A

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Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.
Electronic Faucet  
1500T & 1501T Series  

Speciﬁcation: (example)  
- **Battery** (4 ‘C’ cell) or **Hardwire** (24 VAC) infrared electronic handwash system 
- **H2OPTICS™** technology – no external adjustments required 
- Chrome plated one piece cast main body with integral sensor and rigid spout 
- Adjustable sensing range and timeout 
- Audible low battery indicator 
- Forged brass solenoid valve (control box No. 0 only) 
- Tempered water supplied to solenoid valve, (except control box options No. 0 and 1) 

and… (specify battery or hardwire) 
with… (add spout required) 
with… (add outlet required) 
with… (add control box required) 
with… (transformer - specify separately - see back page) 

**Description** | **Product No.**  
--- | ---  
Hardwire | 1500T3  
Battery Operated | 1501T3  

### SPOUT & SENSOR

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
</table>
| 0   | Base Model with Surface Mount Housing*  
SEE Specification Drawing #9  
| 1   | (R5) Single Hole Deckmount Gooseneck Spout with Integral Sensor in Base (1)  
| 2   | (R5) Deckmount Gooseneck Spout with Integral Sensor in Base and 4” Forged Coverplate (1)  
| 3   | (R5) Deckmount Gooseneck Spout with Integral Sensor in Base and 8” Forged Coverplate (1)  
| 4   |  
| 5   |  
| 6   |  
| 7   | Smooth End, Laminar Flow Control in Base of Gooseneck Spout  
1.1 USGPM (4.2L/min.)  
| 8   |  
| 9   |  

### OUTLET

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
</table>
| 0   | Vandal Resistant  
1.5 USGPM (5.7 L/min.)  
Laminar w/Antimicrobial By AgION™  
| 1   | Vandal Resistant  
1.5 USGPM (5.7 L/min.)  
Flow Control Aerator  
| 2   |  
| 3   |  
| 4   |  
| 5   |  
| 6   |  
| 7   |  
| 8   |  
| 9   |  

### CONTROL BOX

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
</table>
| 0   | For RECESSED MOUNTING  
Components ASSEMBLED in 10” Box w/S/S Cover. *  
SEE Specification Drawing #10  
| 1   |  
| 2   |  
| 3   |  
| 4   |  
| 5   |  
| 6   | For RECESSED MOUNTING  
Components & Mechanical Mixing Valve (2)  
ASSEMBLED in 10” Box w/S/S Cover.  
SEE Specification Drawing #11  
| 7   | For RECESSED MOUNTING  
Components & Thermostatic Mixing Valve  
ASSEMBLED in 10” Box w/S/S Cover.  
SEE Specification Drawing #12  
| 8   |  
| 9   |  

* **Mixing Valve** supplied by others.  
1) No Optional Spouts Available.  
2) With Thermostatic Limit Stop.  
Refer to www.specselect.com for individual models. 

Note: Use this page front and back, with specification drawing page referenced above, 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 fulﬁlline price book or www.specselect.com for ﬁnish options and product availability.
**Approvals:**
- CSA certified
- Complies to ASME A112.18.1
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
- IAPMO listed
- Control Box Option 6 Mechanical Mixing Valve CSA certified
- Control Box Option 8 Thermostatic Mixing Valve CSA certified and meets ASSE 1016

[Contact Delta Representative for State and/or Local Approvals.]

U.S. Patent #6, 826, 455.

**Flowrate vs Pressure**

<table>
<thead>
<tr>
<th>Outlet Flowrates (gpm)</th>
<th>Flowrate vs Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>0.5</td>
</tr>
<tr>
<td>2</td>
<td>1.5</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Spout Outlets**
- No. 3 Aerator
- No. 2 Laminar Flow Outlet

**Operation:**
- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flows stop upon de-activation of sensor.
- Auto shut-off feature that is selectable between 15 to 75 seconds. 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") (+/- 1.0")
- Low battery audible beep (for battery models only) will activate after faucet shuts off when approximately 1500 cycles remain.

**Note:** 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.

**GOOSENECK SPOUT ASSEMBLIES**

<table>
<thead>
<tr>
<th>Spout/Outlet</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;C&quot;</th>
<th>&quot;L&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOOSENECK-Standard (RS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for Outlet #2 and 3</td>
<td>152</td>
<td>6</td>
<td>124</td>
<td>4.9</td>
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<tr>
<td>GOOSENECK-Standard (RS)</td>
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<td></td>
<td></td>
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<tr>
<td>for Outlet #7</td>
<td>152</td>
<td>6</td>
<td>117</td>
<td>4.6</td>
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</table>

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

**1500T & 1501T ELECTRONIC FAUCET OPTIONAL ACCESSORIES:**

<table>
<thead>
<tr>
<th>TRANSFORMERS:</th>
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<tbody>
<tr>
<td>060704A</td>
</tr>
<tr>
<td>060771A</td>
</tr>
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<td>060772A</td>
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</table>

<table>
<thead>
<tr>
<th>CORDS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>060690A</td>
</tr>
</tbody>
</table>
### Specification: (example)
- **Battery** (4 ‘C’ cell) or **Hardwire** (24 VAC) infrared electronic activated concealed flushvalve system
- Stainless steel cover with integral sensor utilizing H₂OPTICS™ technology and S/S vandal resistant mounting screws
- Metal mounting box or frame, power function light, field selectable sensor range
- Preset blocking time, built-in activation delay
- Electronic manual override
- Solenoid operation valve

- and... (add for fixture type required)
- with... (add control/sensor box required)
- with... (transformer - specify separately - See Back Page)

### Description & Product NO.

<table>
<thead>
<tr>
<th>Description</th>
<th>Product NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Activated Hardwire</td>
<td>1600T</td>
</tr>
<tr>
<td>Flushvalve</td>
<td></td>
</tr>
<tr>
<td>Hardwire</td>
<td>6 0 RI</td>
</tr>
<tr>
<td>Hardwire</td>
<td>6 0 TR</td>
</tr>
<tr>
<td>Electronic Activated Battery</td>
<td>1601T</td>
</tr>
<tr>
<td>Flushvalve</td>
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<td>6 0 TR</td>
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Note: Rough-in and Trim Ordered Separately

### Fixtures Type

<table>
<thead>
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<th>Fixture Type</th>
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<th>No</th>
</tr>
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<td></td>
</tr>
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</tr>
<tr>
<td>2</td>
<td></td>
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<tr>
<td>9</td>
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<td></td>
</tr>
</tbody>
</table>

### Control/Sensor Box

<table>
<thead>
<tr>
<th>Control/Sensor Box</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<th>6</th>
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<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>✔</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) When used for TOP Inlet Urinal Fixture - Exposed Tubing, Flanges, Elbow, etc. **SUPPLIED** by Others

Refer to www.specselect.com for individual models.

Note: Use this page front and back, with specification drawing page referenced above, 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.
# Electronic Activated Flushvalve

## 1600T and 1601T Series

**Approvals:**
- CSA certified
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
- IAPMO listed
- Complies to ASSE Standard 1037 (Contact Delta Representative for State and/or Local Approvals.)

## W.C. Operation:
- 8 second blocking time.
- 4 second activation delay.
- Adjustable flush volume using adjustment screw on flushvalve.
- Selectable sensing distance: 24 to 56" in 8" increments Factory set to 40"
- 24 hour courtesy flush factory set to off.

## Urinal Operation:
- 8 second blocking time.
- 0 second activation delay.
- Adjustable flush volume using adjustment screw on flushvalve.
- Selectable sensing distance: 12 to 28" in 4" increments Factory set to 20"
- Adjustable 24 hour courtesy flush factory set to on.

## 1600T Electronic Flushvalve Optional Accessories:

### Transformers:
- 060704A 110 to 24VAC Class II 20VA (For 5 Sensor Modules)
- 060771A 110 to 24VAC Class II 40VA (Up to 10 Sensor Modules)
- 060772A 110 to 24VAC Class II 100VA (Up to 25 Sensor Modules)

### Cords:
- 060680A 4' Solenoid Extension Wire

### Hardwire Converter:
- 060683A 24VAC to 6VDC Converter (Supplied standard on Hardwire models)

Note: Measurements may vary ± 6mm (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.

**DSP–1600T6**
**Electronic Washdown Urinal 1600T and 1601T Series**

**Specification: (example)**
- **Battery** (4 ‘C’ cell) or **Hardwire** (24 VAC) infrared electronic urinal flushing system
- Stainless steel cover with integral sensor utilizing H₂OPTICS™ technology and S/S vandal resistant mounting screws, metal mounting box
- Power function light, field selectable sensor range
- Electronic manual override
- Preset blocking time
- Slow closing solenoid valve, integral stop

with... (add control/sensor box required)
with... (transformer - specify separately - See Back Page)

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PRODUCT NO.</th>
<th>RI</th>
<th>TR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Washdown Urinal Hardwire 1600T</td>
<td>9 0 0</td>
<td>RI</td>
<td></td>
</tr>
<tr>
<td>Electronic Washdown Urinal Battery 1601T</td>
<td>9 0 0</td>
<td>RI</td>
<td></td>
</tr>
<tr>
<td>Electronic Washdown Urinal Battery 1601T</td>
<td>9 0 0</td>
<td>TR</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Rough-in and Trim Ordered Separately

**CONTROL/SENSOR BOX**

- **0**
  - For RECESSED MOUNTING - BACK INLET URINAL (1) Components ASSEMBLED in 8” Box, w/Integral Sensor in S/S Cover, S/S Outlet Hose.
  - SEE Specification Drawing #18

- **1**
  - Components only UNASSEMBLED (1) 4” Box w/Integral Sensor in S/S Cover
  - SEE Specifications Drawing #19 (2)

**Engineer/Architect Approval**

Model Specified:

Approval: Date:

---

1. When used for TOP Inlet Urinal Fixture - Exposed Tubing, Flanges, Elbow, etc. SUPPLIED by Others.
2. 1600T9003RI and 1600T9003TR ordered as complete product only. No RI or TR available.

Refer to www.specselect.com for individual models. Note: Use this page front and back, with specification drawing page referenced above, as product submittal sheets.

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Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.
**TECK®**

**Electronic Washdown Urinal 1600T and 1601T Series**

**Approvals:**
- CSA certified
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
- IAPMO listed

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

---

**Operation:**
- 8 second blocking time.
- Activation delay:
  - 0 seconds on urinal applications
- Adjustable flush time 4 to 9 seconds
  - Factory set at 4 seconds
- Selectable sensing distance:
  - 12 to 28" in 4" increments.
  - Factory set to 20"
- Adjustable 24 hour courtesy flush factory set to on.

---

**1600T ELECTRONIC FLUSH VALVE OPTIONAL ACCESSORIES:**

<table>
<thead>
<tr>
<th>TRANSFORMERS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>060704A  110 to 24VAC Class II 20VA  (For 5 Sensor Modules)</td>
</tr>
<tr>
<td>060771A  110 to 24VAC Class II 40VA  (Up to 10 Sensor Modules)</td>
</tr>
<tr>
<td>060772A  110 to 24VAC Class II 100VA  (Up to 25 Sensor Modules)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CORDS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>060680A  4’ Solenoid Extension Wire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HARDWIRE CONVERTER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>060683A  24VAC to 6VDC Converter (Supplied standard on Hardwire models)</td>
</tr>
</tbody>
</table>

Note: Measurements may vary ± 6mm (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.
### Specification: (example)
- **Battery** (4 AA) or **Hardwire** (24 VAC) infrared electronic handwash system
- Chrome plated one piece cast main body with integral sensor
- Field adjustable water resistant program controller
- Backlit indicator adjustment buttons
- Controller retains adjusted settings in event of power failure
- Visible low battery indicator above deck
- Chrome plated forged brass solenoid valve with Y strainer cleanout
- Tempered water supplied to solenoid valve, (except control box options No. 0, 1 and 2) and... (specify battery or hardwire)
  - with... (add spout required)
  - with... (add outlet required)
  - with... (add control box required)
  - with... (add suffix -KS if required - See Back Page)
  - with... (transformer - specify separately - See Back Page)

### DESCRIPTION | PRODUCT NO.
--- | ---
Hardwire | 3000T3
Battery Operated | 3001T3

### SPOUT & SENSOR

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>(R5) Single Hole Gooseneck Spout with Integral Sensor in Base (1)</td>
</tr>
<tr>
<td>4</td>
<td>(R5) Gooseneck Spout with Integral Sensor in Base and 4&quot; Forged Coverplate (1)</td>
</tr>
<tr>
<td>5</td>
<td>(R5) Gooseneck Spout with Integral Sensor in Base and 8&quot; Forged Coverplate (1)</td>
</tr>
<tr>
<td>6</td>
<td></td>
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<tr>
<td>7</td>
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</tbody>
</table>

### OUTLET

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Vandal Resistant 1.5 USGPM (5.7 L/min) Laminar w/Antimicrobial by AgION™</td>
</tr>
<tr>
<td>2</td>
<td>Vandal Resistant 1.5 USGPM (5.7 L/min) Flow Control Aerator</td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Vandal Resistant 0.5 USGPM (1.9 L/min) Flow Control Non-Aerating Spray Outlet</td>
</tr>
<tr>
<td>6</td>
<td>Smooth End, Laminar Flow Control in Base of Gooseneck Spout 1.1 USGPM (4.2L/min.)</td>
</tr>
<tr>
<td>7</td>
<td></td>
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<td>8</td>
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<td></td>
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</table>

### CONTROL BOX

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Base Model with Surface Mount Housing* SEE Specification Drawing #5</td>
</tr>
<tr>
<td>1</td>
<td>For RECESSED MOUNTING Components ASSEMBLED in 10&quot; Box w/S/S Cover. * SEE Specification Drawing #6</td>
</tr>
<tr>
<td>2</td>
<td>For SURFACE MOUNTING Components ASSEMBLED in 10&quot; Box w/Aluminum Cover. * SEE Specification Drawing #6</td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>For RECESSED MOUNTING Components &amp; Mechanical Mixing Valve (2) ASSEMBLED in 10&quot; Box w/S/S Cover. SEE Specification Drawing #7</td>
</tr>
<tr>
<td>7</td>
<td>For SURFACE MOUNTING Components &amp; Mechanical Mixing Valve (2) ASSEMBLED in 10&quot; Box w/Aluminum Cover. SEE Specification Drawing #7</td>
</tr>
<tr>
<td>8</td>
<td>For RECESSED MOUNTING Components &amp; Thermostatic Mixing Valve ASSEMBLED in 10&quot; Box w/S/S Cover. SEE Specification Drawing #8</td>
</tr>
<tr>
<td>9</td>
<td>For SURFACE MOUNTING Components &amp; Thermostatic Mixing Valve ASSEMBLED in 10&quot; Box w/Aluminum Cover. SEE Specification Drawing #8</td>
</tr>
</tbody>
</table>

---

* Mixing Valve supplied by others.
(1) See Page 9.C.1 for Optional Rigid/Swivel Spouts.
(2) With Thermostatic Limit Stop.
Note: Use this page front and back, with specification drawing page referenced above, 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.
**TECK® Electronic Basin/Sink Faucet**

**3000T & 3001T Series Adjustable Program**

**Approval:**
- CSA certified
- Complies to ASME A112.18.1
- ADA Compliant and meets Handicapped Accessibility
- Standard ASME A117.1 of less than 5 lbs. handle operating force.
- IAPMO listed
- Control Box Option 6 & 7 Mechanical Mixing Valve CSA certified
- Control Box Option 8 & 9 Thermostatic Mixing Valve CSA certified and meets ASSE 1016 and ASSE 1017 (Contact Delta Representative for State and/or Local Approvals.)

**GOOSENECK SPOUT ASSEMBLIES**

<table>
<thead>
<tr>
<th>Spout/Outlet</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;C&quot;</th>
<th>&quot;D&quot;</th>
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</thead>
<tbody>
<tr>
<td>Gooseneck-Standard (RS) for Outlet #3</td>
<td>152</td>
<td>6</td>
<td>124</td>
<td>4.9</td>
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<tr>
<td>Gooseneck-Standard (RS) for Outlet #7</td>
<td>152</td>
<td>6</td>
<td>117</td>
<td>4.6</td>
</tr>
</tbody>
</table>

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

**OPERATION:** (Optional Adjustments)
- Water flows when sensor is activated.
- Water flow stops at the selected run-on time after user removes hands from sensing zone. Run-on time selections are 0 to 8 seconds or 1 to 8 minutes for scrub-up applications. Factory set to 8 seconds.
- Blocking time between uses has selectable range of 0 to 8 seconds. Factory set to 0 seconds.
- Auto shut-off feature that is selectable between 1 to 9 minutes. Factory set to 1 minute.
- Optional metered program mode with selection of 7 to 240 seconds of continuous operation.
- Adjustable sensing distance 76 to 305mm (3" to 12") factory set to 229mm (9") (+/- 1.0")

**FLOWRATE vs PRESSURE**

<table>
<thead>
<tr>
<th>Flow Rate (l/min)</th>
<th>Outlet Flowrates (USGPM)</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>0.4</td>
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<tr>
<td>2</td>
<td>0.8</td>
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<tr>
<td>3</td>
<td>1.2</td>
</tr>
<tr>
<td>4</td>
<td>1.6</td>
</tr>
<tr>
<td>5</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**GOOSENECK SPOUT ASSEMBLIES**

<table>
<thead>
<tr>
<th>Outlet No.</th>
<th>&quot;D&quot;</th>
<th>&quot;D&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>18</td>
<td>0.69</td>
</tr>
<tr>
<td>3</td>
<td>18</td>
<td>0.69</td>
</tr>
<tr>
<td>5</td>
<td>18</td>
<td>0.69</td>
</tr>
</tbody>
</table>

**GOOSENECK SPOUT ASSEMBLIES**

- Spout/Outlet: 305mm (12") Stainless Steel Cover Plate
- SUPPLIED: 3/8" MIP Outlet from Box 3/8" Compression Joint at Spout
- BALANCE BY OTHERS
- Flexible, Sensor Cord Conduit
- INLET - 1/2" Copper (Tempered Water By Others)
- 257mm (10.13") Control Box
- 305mm (12") Stainless Steel Cover Plate
- 35mm (1.38") 102mm (4")
- "D" - 191mm (7.5") 282mm (11.1")

**3000T & 3001T ELECTRONIC FAUCET OPTIONAL ACCESSORIES:**

- **TRANSFORMERS:**
  - 060704A 110 to 24VAC Class II 20VA (Up to 5 Electronic Valves)
  - 060711A 110 to 24VAC Class II 40VA (Up to 10 Electronic Valves)
  - 060772A 110 to 24VAC Class II 100VA (Up to 25 Electronic Valves)

- **CORDS:**
  - 060520A 3 ft. Sensor Extension Cord

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

**DSP-3000T Rev. B**
**24T3003**  
(Recommended for use with 3000T3 and 3001T3 electronic faucets)

**SPECIFICATION (example)**
- Deck mount mixing valve
- Solid brass fabricated body
- Polished chrome plated finish
- DELTA® washerless stainless steel rotating ball cartridge
- High temperature limit stop
- Flexible, braided stainless steel connector hose to solenoid
- Integral checks
- Removable inlet filter screens
- Color indexed, ADA Compliant, vandal resistant 152mm (6") lever blade handle

**Approvals:**
- CSA certified
- Complies to ASME A112.18.1
- ADA Compliant and meets Handicapped Accessibility Standard ANSI 117.1 of less than 5 lbs. handling operating force.
- IAPMO listed
  (Contact Delta Representative for State and/or Local Approvals.)

**060854A**

**SPECIFICATION (example)**
- RECESSED IN-WALL MOUNTED BOX assembly
- Vandal resistant, stainless steel cover screws
- 10" square aluminum box
- 12" square stainless steel cover
- LESS MIXING VALVE, stops and inlet tubes

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

Refer to Spec Select for individual models.  
Note: Use this page as a product submittal sheet.
OPTIONAL ELECTRONIC ADD-ON
3 POSITION SWITCH
FOR USE ON 3000T and 3001T SERIES

**AUTO:** Electronic Faucet functions according to regular settings.

**OFF:** Solenoid is blocked from operating so cleaning staff can clean out sink without faucet operating.

**ON:** Solenoid goes into continuous run so water lines can be flushed with high temperature water.
Do NOT exceed 160°F. Higher temperatures may damage sensor components.

---

**060651A**

- 3 Position Switch Add-on Package – Keyed Switch (if ordered separately)

Add "-KS" suffix to 3000T or 3001T Series Product Number

---

**Note:** May be used with ALL control box options where prolonged ‘ON’ or ‘OFF’ water is required (ie., cleaning of sink)

**Note:** To be used with control box options No. 0, 1, and 2 ONLY in ‘ON’ position for high temperature water flush as dictated by facility infection control procedure – NOT to exceed 160°F.

---

**Note:** Measurements may vary ± 6mm (0.25")
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### PRODUCT NO. | VALVE TYPE | COVER
---|---|---
591T 0 2 0 | Deckmount Cast Lavatory Hardwire | Surface Mounted
591T 1 2 0 | Deckmount Cast Lavatory Battery | Surface Mounted

**591T SERIES**

![Diagram of 591T Series](image)

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

Note: Stainless Steel hose connection supplied between Solenoid Valve and Spout

3/8" COMPRESSION FITTING BOTH ENDS

508mm (20"")

78mm (3.07"")

85mm (3.32"")

97mm (3.82"")

5/32" Allen Screw
TEMPERED WATER - ASSEMBLED CONTROL BOX

591T SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*591T 0 2</td>
<td>Deckmount Cast Lavatory Hardwire</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
<tr>
<td>*591T 1 2</td>
<td>Deckmount Cast Lavatory Battery</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

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

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.
MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX

591T SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*591T 0 2 6</td>
<td>Deckmount Handwash Hardware</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
<tr>
<td>*591T 1 2 6</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

Note: Measurements may vary ± 6mm (0.25")
THERMOSTATIC MIXING VALVE ASSEMBLED CONTROL BOX

591T SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*591T 0 2 8</td>
<td>Deckmount Handwash Hardware</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;)</td>
</tr>
<tr>
<td>*591T 1 2 8</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;)</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

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

3000T and 3001T Series: Adjustable Program

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>VALVE TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000T</td>
<td>Deckmount Handwash Hardwire</td>
<td>Surface Mounted, Vandal Proof Control Housing</td>
</tr>
<tr>
<td>3001T</td>
<td>Deckmount Handwash Battery</td>
<td>Surface Mounted, Vandal Proof Control Housing</td>
</tr>
</tbody>
</table>

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

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.
### TEMPERED WATER - ASSEMBLED CONTROL BOX

#### 3000T AND 3001T SERIES: ADJUSTABLE PROGRAM

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*3000T 3</td>
<td>Deckmount Handwash Hardwire</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
<tr>
<td>3000T 3</td>
<td>Deckmount Handwash Hardwire</td>
<td>Surface Mount</td>
<td>254mm (10&quot;) Aluminum</td>
</tr>
<tr>
<td>*3001T 3</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
<tr>
<td>3001T 3</td>
<td>Deckmount Handwash Battery</td>
<td>Surface Mount</td>
<td>254mm (10&quot;) Aluminum</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

---

### 3000T and 3001T SERIES

---

Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

---

Note: Measurements may vary ± 6mm (0.25")
**MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX**

### 3000T AND 3001T SERIES: ADJUSTABLE PROGRAM

<table>
<thead>
<tr>
<th>✓</th>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*3000T 3</td>
<td>6</td>
<td>Deckmount Handwash Hardware</td>
<td>Recessed Mount</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>3000T 3</td>
<td>7</td>
<td>Deckmount Handwash Hardware</td>
<td>Surface Mount</td>
<td>Aluminum</td>
</tr>
<tr>
<td>*3001T 3</td>
<td>6</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>3001T 3</td>
<td>7</td>
<td>Deckmount Handwash Battery</td>
<td>Surface Mount</td>
<td>Aluminum</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

#### 3000T and 3001T SERIES

Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

Note: Measurements may vary ± 6mm (0.25")
THERMOSTATIC MIXING VALVE ASSEMBLED CONTROL BOX

3000T AND 3001T SERIES: ADJUSTABLE PROGRAM

<table>
<thead>
<tr>
<th>✓</th>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*3000T</td>
<td>3</td>
<td>Deckmount Handwash Hardwire</td>
<td>Recessed Mount</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>3000T</td>
<td>3</td>
<td>Deckmount Handwash Hardwire</td>
<td>Surface Mount</td>
<td>Aluminum</td>
</tr>
<tr>
<td>*3001T</td>
<td>3</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>3001T</td>
<td>3</td>
<td>Deckmount Handwash Battery</td>
<td>Surface Mount</td>
<td>Aluminum</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

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

Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.
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.

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

Specifications:
- **1500T and 1501T SERIES**
  - **PRODUCT NO.**
    - 1500T: 3
    - 1501T: 3
  - **VALVE TYPE**
    - 1500T: Deckmount Handwash Hardwire
    - 1501T: Deckmount Handwash Battery
  - **COVER**
    - Surface Mounted, Vandal Proof Control Housing

**Battery Pack**
- **3/8" Compression Connection Outlet**
- **3/8" Compression Adaptor (Supplied)**

**S/S HOSE**
- **508mm (20")**

**Inlet 3/8" NPT or 3/8" Compression Adaptor (Supplied)**

**18.5 Allen Screw**

**Recommended 381mm (15" max.) to top of counter**

**VANDAL PROOF SURFACE MOUNT CONTROL HOUSING**

**Battery Operated box shown. Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.**

**Note:** Stainless Steel hose connection supplied between Solenoid Valve and Spout
# Tempered Water - Assembled Control Box

## 1500T and 1501T Series

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*1500T 3</td>
<td>Deckmount Handwash Hardwire</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
<tr>
<td>*1501T 3</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.*

### 1500T and 1501T Series

Battery Operated box shown. Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

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

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.
MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX

1500T AND 1501T SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500T</td>
<td>Deckmount Handwash Hardwire</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
<tr>
<td>1501T</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

1500T and 1501T SERIES

Battery Operated box shown. Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

- 35mm (1.38")
- 53mm (2.07")
- 102mm (4.0")
- 203mm (8.0")
- 257mm (10.13")
- 70mm (2.75") Diameter
- 74mm (2.9")
- 254mm (10.0")

Outlet 3/8" M.I.P.
Outlet 3/8" M.I.P.
Inlets 1/2" Copper
305mm (12.0") Stainless Steel Cover

Bracket and battery holder not required for hardwire models

Driver board to be located on this bracket

Mechanical Mixing Valve with Checks and Thermostatic Limit Stop

Screwdriver Stop

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

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THERMOSTATIC MIXING VALVE ASSEMBLED CONTROL BOX

1500T AND 1501T SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*1500T</td>
<td>3</td>
<td>8</td>
<td>Recessed Mount</td>
</tr>
<tr>
<td>*1501T</td>
<td>3</td>
<td>8</td>
<td>Recessed Mount</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

1500T and 1501T SERIES

Battery Operated box shown.
Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

Outlet 3/8" M.I.P.
70mm (2.75") Diameter
Driver board to be located on this bracket
Outlet 3/8" M.I.P.
74mm (2.9")
Inlets 1/2" Copper

35mm (1.38")

305mm (12") Stainless Steel Cover

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

Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

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

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>VALVE TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>590T 0</td>
<td>Deckmount Handwash Hardwire</td>
<td>Surface Mounted, Vandal Proof Control Housing</td>
</tr>
<tr>
<td>590T 1</td>
<td>Deckmount Handwash Battery</td>
<td>Surface Mounted, Vandal Proof Control Housing</td>
</tr>
</tbody>
</table>

**Note:** Stainless Steel hose connection supplied between Solenoid Valve and Spout.
# TEMPERED WATER - ASSEMBLED CONTROL BOX

## 590T0 AND 590T1 SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*590T 0</td>
<td>Deckmount Handwash Hardwire</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
<tr>
<td>*590T 1</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;) Stainless Steel</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

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**590T0 and 590T1 SERIES**

Battery Operated box shown. Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

![Diagram of Control Box](image)

- **Flexible Sensor Cord Conduit** (Supplied on Recessed Mount Box)
- **Outlet** 3/8” M.I.P.
- **Driver board to be located on this bracket**
- **Tempered Water (By Others)**
- **Aluminum Control Box**
- **Inlet: 1/2” Copper**

---

Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

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

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MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX

590T0 AND 590T1 SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FAUCET TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*590T 0</td>
<td>Deckmount Handwash Hardwire</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;)</td>
</tr>
<tr>
<td>*590T 1</td>
<td>Deckmount Handwash Battery</td>
<td>Recessed Mount</td>
<td>305mm (12&quot;)</td>
</tr>
</tbody>
</table>

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

590T0 and 590T1 SERIES

Battery Operated box shown. Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.

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

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

590T0 AND 590T1 SERIES

PRODUCT NO. | FAUCET TYPE | MOUNT TYPE | COVER
---|---|---|---
*590T 0 | Deckmount Handwash Hardware | Recessed Mount | 305mm (12") Stainless Steel
*590T 1 | Deckmount Handwash Battery | Recessed Mount | 305mm (12") Stainless Steel

*This product is supplied with Flexible Sensor Cord Conduit on Recessed Mount Installations.

---

Note: For wallhung sink installations, sensor conduit rough-in should be directly under basin to minimize sensor cord exposure.
### 1600T and 1601T SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>VALVE TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600T 6</td>
<td>0 2</td>
<td>Flushvalve w/Access Panel Box</td>
<td>Recessed Mount</td>
</tr>
<tr>
<td>1600T 6</td>
<td>0 3</td>
<td>Flushvalve w/Access Panel Box</td>
<td>Recessed Mount</td>
</tr>
<tr>
<td>*1600T 6</td>
<td>0 4</td>
<td>Flushvalve less Access Panel Box</td>
<td>Recessed Mount</td>
</tr>
<tr>
<td>1601T 6</td>
<td>0 2</td>
<td>Flushvalve w/Access Panel Box</td>
<td>Recessed Mount</td>
</tr>
<tr>
<td>1601T 6</td>
<td>0 3</td>
<td>Flushvalve w/Access Panel Box</td>
<td>Recessed Mount</td>
</tr>
<tr>
<td>*1601T 6</td>
<td>0 4</td>
<td>Flushvalve less Access Panel Box</td>
<td>Recessed Mount</td>
</tr>
</tbody>
</table>

*This product is supplied with the Small Sensor Box. Note: Rough-in and Trim Ordered Separately

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**CONCEALED FLUSHVALVE INSTALLATION (RECESSED MOUNT)**

1600T and 1601T SERIES

- 356mm (14") Square Stainless Steel Cover
- 305mm (12") Square Frame

Outlet Parts:
- Tubing, Elbow, Wall and Spud Flange, Spud Nut, etc.
- Supplied as Required for Fixture Specified.

**Except for:**
- 3/4" and 1 1/4" Top Inlet Urinal Fixtures
- Where Exposed Tubing, Flanges, Elbow, etc. (Supplied by Others.)

**Small Sensor Box**

- **356MM (14") Square S/S Cover and 305mm (12") Square Frame. SUPPLIED ONLY ON 1600T6_03 and 1601T6_03**

OR

**356 x 508MM (14 x 20") S/S Cover and 305 x 457mm (12 x 18") Frame. SUPPLIED ONLY ON 1600T6_02 and 1601T6_02**

Product supplied as shown by Solid Lines. All items shown by Dotted Lines Supplied by Others.

Note: Measurements may vary ± 6mm (0.25")
URINAL VALVE ASSEMBLED CONTROL BOX (RECESSED MOUNT)

1600T and 1601T SERIES

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>VALVE TYPE</th>
<th>MOUNT TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600T 9 0 0 1</td>
<td>Back Inlet Urinal</td>
<td>Recessed Mount</td>
<td>254mm (10&quot;) Stainless Steel</td>
</tr>
<tr>
<td>1600T 9 0 0 3</td>
<td>Top Inlet Urinal</td>
<td>Recessed Mount</td>
<td>254mm (10&quot;) Stainless Steel</td>
</tr>
<tr>
<td>1601T 9 0 0 1</td>
<td>Back Inlet Urinal</td>
<td>Recessed Mount</td>
<td>254mm (10&quot;) Stainless Steel</td>
</tr>
<tr>
<td>1601T 9 0 0 3</td>
<td>Top Inlet Urinal</td>
<td>Recessed Mount</td>
<td>254mm (10&quot;) Stainless Steel</td>
</tr>
</tbody>
</table>

Note: Rough-in and Trim Ordered Separately

1600T9001 and 1601T9001 SERIES

1600T9003 and 1601T9003 SERIES

(Note: Top inlet urinal connections not supplied)

Note: Measurements may vary ± 6mm (0.25")
### COMPONENTS ONLY UNASSEMBLED

**1600T and 1601T SERIES**

<table>
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<tr>
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<th>FAUCET TYPE</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600T</td>
<td>9 0 0 6 Urinal Valve</td>
<td>124mm (4-7/8&quot;) Stainless Steel</td>
</tr>
<tr>
<td>1601T</td>
<td>9 0 0 6 Urinal Valve</td>
<td>124mm (4-7/8&quot;) Stainless Steel</td>
</tr>
</tbody>
</table>

Note: Ordered as complete product only. No RI or TR available.

#### 1600T9006 and 1601T9006 SERIES

**Small Sensor Box**

- **Dimensions**:
  - 124mm (4 1/2")
  - 102mm (4")
  - 55mm (2 5/32")
  - 6mm (1/4") min.
  - 35mm (1 3/5") max.

**Features**:
- Finished Wall
- Vandal Proof Screws (4)
- Plaster Guard
- Standard Electrical Box 102 x 102mm (4" x 4")
- Stainless Steel Coverplate
- Outlet 3/8" F.I.P.
- Inlet 1/2" M.I.P./1/2" copper sweat

**Additional Components**:
- Slow closing solenoid valve
- Screwdriver stop

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

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Electronic Exposed TECK® Flush Valves

- **81T201BT**
  - Exposed Battery Operated
  - 1-1/2'' Top Inlet Closet Fixture
  - Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
  - Right or left-hand supply installation
  - ADA compliant, automatic operation battery powered infrared sensor
  - Scratch resistant lens window
  - Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
  - Low battery flashing light (5000 flushes remaining)
  - Infrared sensor range adjustment of 610mm-1067mm (24'' - 42''), factory set at 36'' (±2'')
  - Optional 24 hour automatic flush factory set to off, 3 second flush delay
  - Setup sensor range adjustment indicator light, solid state electronics
  - Electronic operated non-hold-open metal manual override button with 5 second lockout
  - Quiet action, Teck® exposed diaphragm flush valve
  - Chloramine resistant diaphragm
  - Forged brass diaphragm retainer
  - Renewable seat
  - Polished chrome plated finish
  - **External water conserving flush adjustment**, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
  - 1'' FIP/Copper sweat inlet adaptor, angle check stop with protecting cap
  - Adjustable 121mm (4-3/4'') plus or minus 11mm (7/16'') inlet/valve outlet centers
  - Vacuum breaker
  - Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2'') outlet tube.

- **81T201-6BT**
  - Same as 81T201BT, but **Not Field Adjustable**

- **81T221BT**
  - Same as 81T201BT, but with 610 mm (24'') outlet tube

- **81T201-20BT**
  - Same as 81T201BT, but LESS stop, cover tube and wall flange.

- **81T201-20-13BT**
  - Same as 81T201-20BT, but **external water conserving flush adjustment** factory set at 60 PSI to 13 litre (3.4 US gal.)

- **81T201-20-6BT**
  - Same as 81T201-6BT, but LESS stop, cover tube and wall flange, **Not Field Adjustable**.

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

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.
®

Electronic Exposed TECK® Flush Valves
for Sloan®/Zurn® Stops

81T201-30BT
- Exposed Battery Operated
1-1/2” Top Inlet Closet Fixture
LESS STOP, WITH MODIFIED TAIL TO FIT SLOAN®/ZURN® STOP

- Polished chrome plated vandal resistant metal cover
  with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 610mm-1067mm (24” - 42”), factory set at 36” (±2”)
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Set-up sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8” upward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**,
  factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
  - Adjustable 114mm to 131mm (4.5” to 5.18”) inlet/valve outlet centers
  - Vacuum breaker
  - Spud flange, concealed spud nut, and 292mm (11-1/2”) outlet tube.

81T201-30-13BT
Same as 81T201-30BT, but **external water conserving flush adjustment** factory set at 60 PSI to 13 litre (3.4 US gal.)

81T201-30-6BT
Same as 81T201-30BT, but **Not Field Adjustable**

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

Refer to www.specselect.com for individual models.

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.
Electronic Exposed TECK® Flush Valves

- Exposed Hard Wire Operated
- 1-1/2'' Top Inlet Closet Fixture
- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Setup sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8° upward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- External water conserving flush adjustment, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- 1" FIP/Copper sweat inlet adaptor, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube

- Exposed Hard Wire Operated
- 1-1/2'' Top Inlet Closet Fixture
- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Setup sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8° upward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- External water conserving flush adjustment, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
- 1" FIP/Copper sweat inlet adaptor, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube

Electronic Exposed TECK® II Flush Valve Retrofit Kits

- Same as 81T201HW, but LESS stop, cover tube and wall flange.
- Same as 81T201-20HW, but external water conserving flush adjustment factory set at 60 PSI to 13 litre (3.4 US gal.)
- Same as 81T201-6HW, but LESS stop, cover tube and wall flange, Not Field Adjustable
- Same as 81T201-20-6HW, but LESS stop, cover tube and wall flange, Not Field Adjustable

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

Refer to www.specselect.com for individual models.

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### 81T201-30HW
- **Exposed Hard Wire Operated**
- 1-1/2" Top Inlet Closet Fixture
  - LESS STOP, WITH MODIFIED TAIL TO FIT SLOAN®/ZURN® STOP

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to off, 3 second flush delay
- Set-up sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8° upward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment,**
  - factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
  - Adjustable 114mm to 131mm (4.5" to 5.18") inlet/valve outlet centers
- Vacuum breaker
- Spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube

#### 81T201-30-13HW
Same as 81T201-30HW, but **external water conserving flush adjustment** factory set at 60 PSI to 13 litre (3.4 US gal.)

#### 81T201-30-6HW
Same as 81T201-30HW, but **Not Field Adjustable**

- (110 to 24 VAC Transformer not included. See selection below for additional part number.)

#### Transformers:

<table>
<thead>
<tr>
<th>Transformer Code</th>
<th>Output Specifications</th>
</tr>
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<tbody>
<tr>
<td>060704A</td>
<td>110 to 24VAC Class II 20VA (for up to 10 Electronic Valves)</td>
</tr>
<tr>
<td>060771A</td>
<td>110 to 24VAC Class II 40VA (up to 20 Electronic Valves)</td>
</tr>
<tr>
<td>060772A</td>
<td>110 to 24VAC Class II 100VA (up to 50 Electronic Valves)</td>
</tr>
</tbody>
</table>

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

Refer to www.specselect.com for individual models.

---

**Engineer/Architect Approval**

**Model Specified:**

**Approval:**

**Date:**

---

**Approvals:**

- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

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

U.S. Patent # 6, 826, 455

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**Note:** Use this page as a product submittal sheet.

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**Note:** The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.
Electronic Exposed TECK® Flush Valves

- **81T201-WMSBT**
  - Exposed Battery Operated
  - 1-1/2" Top Inlet Closet Fixture
  - Polished chrome plated vandal resistant metal cover with 4" wallmount sensor
  - Right or left-hand supply installation
  - ADA compliant, automatic operation battery powered H₂Optics™ technology
  - Infrared sensor
  - Four (4) ‘C’ cell batteries
  - Low battery level indicator (5000 flushes remaining)
  - Infrared sensor range adjustment of 610mm-1422mm (24" - 56") in 8" increments, factory set at 40" (±2")
  - Vandal resistant copper tube conduit
  - 24 hour courtesy flush factory set to off
  - 6 VDC input
  - Electronic manual override button
  - Quiet action, Teck® exposed diaphragm flush valve
  - Chloramine resistant diaphragm
  - Forged brass diaphragm retainer
  - Renewable seat
  - Polished chrome plated finish
  - External water conserving flush adjustment, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
  - 1" FIP/Copper sweat inlet adaptor, angle check stop with protecting cap
  - Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
  - Vacuum breaker
  - Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube.

- **81T201-6-WMSBT**
  Same as 81T201-WMSBT, but Not Field Adjustable

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

Approvals:
- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

Engineer/Architect Approval

<table>
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<tr>
<th>Model Specified:</th>
<th>Approval:</th>
<th>Date:</th>
</tr>
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</table>

H₂Optics™

Refer to www.specselect.com for individual models. Note: Use this page as a product submittal sheet.
Electronic Exposed TECK® Flush Valves

**81T201-WMSHW**
- Exposed Hard Wire Operated
- 1-1/2" Top Inlet Closet Fixture

- Polished chrome plated vandal resistant metal cover with 4" wallmount sensor
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered H₂Optics™ technology infrared sensor
- Infrared sensor range adjustment of 610mm-1422mm (24" - 56"), in 8" increments, factory set at 40" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- 24 hour courtesy flush factory set to off
- 24 VAC input
- Electronic manual override button
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish

**External water conserving flush adjustment,** factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)

- 1" FIP/Copper sweat inlet adaptor, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube

**81T201-6-WMSHW**
Same as 81T201-WMSHW, but **Not Field Adjustable**

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**TRANSFORMERS:**

- **060704A** 110 to 24VAC Class II 20VA (for up to 5 Sensor Modules)
- **060771A** 110 to 24VAC Class II 40VA (up to 10 Sensor Modules)
- **060772A** 110 to 24VAC Class II 100VA (up to 25 Sensor Modules)

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

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Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Refer to www.specselect.com for individual 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 for finish options and product availability.
Electronic Exposed TECK® Flush Valves

81T231BT
- Exposed Battery Operated
- 3/4" Top Inlet Urinal Fixture
- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 457mm-914mm (18” - 36”), factory set at 24” (+/-2”)
- Optional 24 hour automatic flush factory set to on
- Setup sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8” downward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- External water conserving flush adjustment, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- 1” FIP / 3/4” copper sweat inlet adaptor, angle check stop with protecting cap
- Adjustable 121mm (4-3/4”) plus or minus 11mm (7/16”) inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13”) outlet tube.

Approvals:
- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed
(Contact Delta Representative for State and/or Local Approvals.)
U.S. Patent # 6, 826, 455

81T231BT
- Exposed Battery Operated
- 3/4" Top Inlet Urinal Fixture

Electronic Exposed TECK® II Flush Valve Retrofit Kits

81T231-20BT
Same as 81T231BT, but LESS stop, cover tube and wall flange.

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

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

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.
81T231-30BT

Exposed Battery Operated
3/4" Top Inlet Urinal Fixture
LESS STOP, WITH MODIFIED TAIL TO FIT SLOAN®/ZURN® STOP

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 24" (±2")
- Optional 24 hour automatic flush factory set to on
- Set-up sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8° downward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- External water conserving flush adjustment, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- Adjustable 114mm to 131mm (4.5" to 5.18") inlet/valve outlet centers
- Vacuum breaker
- Spud flange, spud nut, and 330mm (13") outlet tube

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

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Engineer/Architect Approval
Model Specified:
Approval: Date:

U.S. Patent # 6, 826, 455

Items shown outlined by dotted lines supplied by others.

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

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Electronic Exposed TECK® Flush Valves

81T231HW
- Exposed Hard Wire Operated
3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 24" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to on
- Setup sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8° downward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- Electronic Valve Transformer not included. See selection below for additional part number.
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- External water conserving flush adjustment, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- 1" FIP / 3/4" copper sweat inlet adaptor, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube

Approvals:
- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed (Contact Delta Representative for State and/or Local Approvals.)
- U.S. Patent # 6,826,455

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

Electronic Exposed TECK® II Flush Valve Retrofit Kits

81T231-20HW
Same as 81T231HW, but LESS stop, cover tube and wall flange.

Note: Use this page as a product submittal sheet.

Refer to www.specselect.com for individual models.

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.
**Electronic Exposed TECK® Flush Valves for Sloan®/Zurn® Stops**

**Engineer/Architect Approval**

- **Model Specified:**
- **Approval:**
- **Date:**

**Approvals:**
- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

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

U.S. Patent # 6, 826, 455

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### 81T231-30HW

- **Exposed Hard Wire Operated**
- **3/4” Top Inlet Urinal Fixture**
- **LESS STOP, WITH MODIFIED TAIL TO FIT SLOAN®/ZURN® STOP**

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered infrared sensor
- Scratch resistant lens window
- Infrared sensor range adjustment of 457mm-914mm (18” - 36”), factory set at 24” (±2”)
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Optional 24 hour automatic flush factory set to on
- Set-up sensor range adjustment indicator light, solid state electronics
- 24 VAC input, 5 second arming delay, 8” downward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- (110 to 24 VAC Transformer not included. See selection below for additional part number.)
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment,** factory set at 60 PSI to 2.7 litre (.70 US gal.)
- Adjustable 114mm to 131mm (4.5” to 5.18”) inlet/valve outlet centers
- Vacuum breaker
- Spud flange, spud nut, and 330mm (13”) outlet tube

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**Transformer Options:**

<table>
<thead>
<tr>
<th>Transformer Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>060704A</td>
<td>110 to 24VAC Class II 20VA (for up to 10 Electronic Valves)</td>
</tr>
<tr>
<td>060771A</td>
<td>110 to 24VAC Class II 40VA (up to 20 Electronic Valves)</td>
</tr>
<tr>
<td>060772A</td>
<td>110 to 24VAC Class II 100VA (up to 50 Electronic Valves)</td>
</tr>
</tbody>
</table>

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

Refer to www.specselect.com for individual models.

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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.
Electronic Exposed TECK® Flush Valves

81T231-WMSBT - Exposed Battery Operated 3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with 4" wallmount sensor
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered H₂OPTICS™ technology
- Infrared sensor
- Four (4) 'C' cell batteries
- Low battery level indicator (5000 flushes remaining)
- Infrared sensor range adjustment of 305mm - 711mm (12" - 28"), in 4" increments, factory set at 20" (±2")
- Vandal resistant copper tube conduit
- Adjustable 24 hour courtesy flush factory set to on
- 6 VDC input
- Electronic manual override button
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment**, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- 1" FIP / 3/4" copper sweat inlet adaptor, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube.

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

Refer to www.specselect.com for individual models.

Approved:
- CSA certified
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed
  (Contact Delta Representative for State and/or Local Approvals.)

Engineer/Architect Approval

Model Specified: Date:

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Note: Use this page as a product submittal sheet.

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.
81T231-WMSHW
- Exposed Hard Wire Operated
3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with 4" wallmount sensor
- Right or left-hand supply installation
- ADA compliant, automatic operation hard wire powered H2OPTICS™ technology infrared sensor
- Infrared sensor range adjustment of 305mm-711mm (12" - 28"), in 4" increments, factory set at 20" (±2")
- Hardwire adaptor
- Vandal resistant copper tube conduit
- Adjustable 24 hour courtesy flush factory set to on
- 24 VAC input
- Electronic manual override button
- [110 to 24 VAC Transformer not included. See selection below for additional part number.]
- Quiet action, Teck® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish

External water conserving flush adjustment, factory set at 60 PSI to 2.7 litre (.70 US gal.)

1" FIP / 3/4" copper sweat inlet adaptor, angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube

Transformer Options:

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<td>060704A</td>
<td>110 to 240VAC Class II 20VA (up to 5 Sensor Modules)</td>
<td>20VA</td>
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<tr>
<td>060771A</td>
<td>110 to 240VAC Class II 40VA (up to 10 Sensor Modules)</td>
<td>40VA</td>
</tr>
<tr>
<td>060772A</td>
<td>110 to 240VAC Class II 100VA (up to 25 Sensor Modules)</td>
<td>100VA</td>
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</tbody>
</table>

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

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.

Refer to www.specselect.com for individual models. Note: Use this page as a product submittal sheet.
Electronic Exposed TECK®
Flush Valve Retrofit Kits

- Exposed Battery Operated Retrofit Kit for Water Closet
  - Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
  - Right or left-hand supply installation
  - ADA compliant, automatic operation battery powered infrared sensor
  - Scratch resistant lens window
  - Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
  - Low battery flashing light (5000 flushes remaining)
  - Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 36" (±2")
  - Optional 24 hour automatic flush factory set to off, 3 second flush delay
  - Setup sensor range adjustment indicator light, solid state electronics
  - 6 VDC input, 5 second arming delay, 8° upward beam
  - Electronic operated non-hold-open metal manual override button with 5 second lockout
  - Quiet action, Teck® exposed diaphragm flush valve
  - Chloramine resistant diaphragm
  - Forged brass diaphragm retainer
  - Renewable seat
  - Polished chrome plated finish
  - External water conserving flush adjustment, factory set at 60 PSI to 6 litre (1.6 US gal.) (except -6 model)
  - Handle-end plug

- 81TWCBTRK-6
  Same as 81TWCBTRK, but Not Field Adjustable

- 81TWCBTRK-13
  Same as 81TWCBTRK, but external water conserving flush adjustment factory set at 60 PSI to 13 litre (3.4 US gal.)

Note: For Hardwire order 060929A Hardware Kit (includes 24VAC to 6VDC Converter, Vandal Resistant copper tube conduit and 2 x 4" Junction Box). Transformer ordered separately.

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

Note: The recommended Flush Valve operating pressure range is between 35 and 65 psi. See page 7.C.18 High Water Pressure note for more details.
Electronic Exposed TECK®
Flush Valve Retrofit Kits

81TURBTRK
- Exposed Battery Operated
Retrofit Kit for Urinal

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant lens window
- Four [4] size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Low battery flashing light (5000 flushes remaining)
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 24" (±2")
- Optional 24 hour automatic flush factory set to on
- Setup sensor range adjustment indicator light, solid state electronics
- 6 VDC input, 5 second arming delay, 8° downward beam
- Electronic operated non-hold-open metal manual override button with 5 second lockout
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- External water conserving flush adjustment, factory set at 60 PSI to 2.7 litre (.70 US gal.)
- Handle-end plug

Note: For Hardwire order 060929A Hardwire Kit (includes 24VAC to 6VDC Converter, Vandal Resistant copper tube conduit and 2 x 4" Junction Box). Transformer ordered separately.

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

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

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.
R2470-MIX

SPECIFICATION (example)
- Anti-scald proportional thermostatic mixing valve
- Lockable hand wheel
- Nickel plated brass/bronze construction
- Teflon® coated spool and body to prevent mineral buildup and extend life
- Temperature range 60-120°F
- Maximum flow 10 gpm, minimum 0.5 gpm, Cv = 1.8
- Maximum working pressure 125 psi
- Maximum hot water supply temperature 212°F
- Inlets/outlets: 1/2" copper sweat

Approvals:
- CSA certified
- ASSE 1070 and ASSE 1016 certified.
- IAPMO listed

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

Note: Measurements may vary ± 6mm (0.25")
Submitted Model No.: ____________________________

Specific Features: ________________________________

590 Series

1" (26 mm) Max. Deck Thickness
2 3/8" (61 mm)
3 1/4" (83 mm)
5 1/2" (139 mm)
5 3/4" (146 mm)
7" (178 mm) Max.
13" (331 mm) Max.
3 1/2" (89 mm)
5 1/4" (134 mm) Dia.
1 1/4" (32 mm) Dia.
1" Dia. (26 mm)

591 Series

2" (51 mm)
2 13/16" (72 mm)
4" (102 mm) Centers
2 1/2" (64 mm)
7" (178 mm)

H2OPTICS™

STANDARD SPECIFICATIONS:

- Hands free (touchless) on/off activation.
- H2OPTICS™ technology. No external adjustments required.
- All metal faucet construction.
- No lift rod hole.
- 0.5 gpm (1.9 L/min) vandal resistant spray outlet.
- 1.5 gpm (5.94 L/min) vandal resistant spray outlet available (RP31705).
- Powered by 4 “AA” batteries.
- Low battery audible beep will activate after faucet shuts off when approximately 1500 cycles remain.
- Operates with a 45 second maximum run time. Will reset once obstruction is removed.
- Serviceable filter screen upstream of the valve.
- Model 591 Series—4" (102 mm) centers. 2 1/2" x 7" (64 mm x 178 mm) forged coverplate with locking mechanism (anti-rotation).
- Model 590 Series—Center mount. Single hole installation.
- Convertible to Hardwire using standard transformer (120VAC to 24VAC) and Delta converter (24VAC to 6.4VDC) [060683A].
- Optional 24" Extension Cable (RP40071)

NOTE: 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.

COMPLIES WITH:

- ASME A112.18.1
- CSA B125
- Indicates ADA compliance to ICC/ANSI A117.1
- U.S. Patent # 6,826,455

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.
Innovations® Mixing/Sensing Electronic Faucet
Deck Mount
3 Hole Sink Applications
Electronic Battery Operated
Convertible to Hardwire Operation

STANDARD SPECIFICATIONS:

- ADA compliant, above deck temperature control with adjustable handle limit stop.
- Hands free (touchless) on/off activation.
- H₂Optics™ technology. No external adjustments required.
- All metal faucet construction.
- No lift rod hole.
- Three hole installation (4" centerset).
- .5 gpm (1.9 L/min) vandal resistant spray outlet.
- 1.5 gpm (5.94 L/min) vandal resistant spray outlet available. (RP31705)
- Powered by 4 "AA" batteries. Expected battery life of approximately 1 year with normal usage.
- Low battery audible beep will activate after faucet shuts off when approximately 1500 cycles remain.
- Operates with a 45 second maximum run time. Will reset once obstruction is removed.
- Serviceable filter screen upstream of the valve.
- Convertible to Hardwire using standard transformer (120VAC to 24VAC) and Delta converter (24VAC to 6.4VDC) (060683A).

NOTE: 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.

COMPLIES WITH:

- ASME A112.18.1
- CSA B125
- Indicates ADA compliance to ICC/ANSI A117.1
- U.S. Patent # 6,826,455

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.
RP32508–Hard Wire Transformer
Specifications
General: Supplies power for up to 10 Delta Commercial 590, 591 and 596 Series electronic units already converted to hard wire
Input Voltage: 120 VAC @ 60 Hz
Output Voltage (unloaded): 24 VAC ± 3% @ 20 VA
Current Draw: 800 MA
Operating Temperature Range: 130° C Maximum Temperature
Physical Connections: Universal Mounting Clip
Wire Size: #18 AWG
Wire Length: 11.75”
Wire Ends: Stripped (Black/White)
Terminals: Screw Type #6 Universal Pan Head
Safety Approval: UL Listed Class 2
Class B Insulation System

RP32856–Plug-In Transformer
Specifications
General: Supplies power for up to 10 Delta Commercial 590, 591 and 596 Series electronic units already converted to hard wire
Input Voltage: 120 VAC @ 60 Hz
Output Voltage (unloaded): 24 VAC ± 5% @ 19.2 VA
Current Draw: 800 MA
Operating Temperature Range: −10° C to 40° C
Physical Connections: Plug-In Connection
Terminals: Screw Type #6 Universal Pan Head
Safety Approval: UL Listed
CSA Certified
CAUTION: Haieroi iuodfh uudhfh ljff poilu□ fhjhj ufoiuerh. Ylfk fjoir olpiu□ jfkjfuji irhejqhr hjfaj mjoukl.□ Hmjkuuer ihelel

060683A–Hard Wire Converter
Specifications
General: Converts Delta Commercial 590, 591 and 596 Series battery electronic faucets to hard wire
Input Voltage: 24 VAC @ 60 Hz
Output Voltage: 6.4 VDC ± 5%
Current Draw: 600 MA
Operating Temperature Range: −55°C to 85°C
Physical Connections: #22 AWG Stripped Primary Connection / 9 VDC Snap Secondary Connection
Wire Size: #22 AWG
Wire Length: 18.0”
Wire Ends: PVC jacket removal should be 2.25” ± .50” and strip length of wires should be .375” typical

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STANDARD SPECIFICATIONS:
- Solid brass body.
- Valve only with built-in check valves.
- Mechanical mixer with adjustable temperature setting, temperature control handle, and vandal resistant screw to lock in selection.
- Thermostatic limit stop set to limit outlet temperature below 120°F.
- After shutting off, device will automatically reset once temperature falls below 120°F.
- 3/8" compression inlets and outlet connections.
- Note: Maximum rated working pressure 125 PSI.

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