

Electronic Faucet – 591T Series 4" Cast Lavatory

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COMMERCIAL



Specification: (example)

- 102mm (4") electronic faucet
- **CAST** one-piece body with integral waterproof sensor and connector
- Polished chrome plated trim
- **Battery** (4 'C' cell) or **Hardwire** (24VAC) infrared electronic handwash
- **H₂Optics®** technology – no external adjustments required
- Adjustable sensing range and timeout
- Audible low battery indicator
- 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... (add outlet required)
with... (add control box required)

with... (transformer – specify separately
– See Back Page)

591T1250



Engineer/Architect Approval

Model Specified:







Approval:

Date:

DESCRIPTION	PRODUCT NO.
Hardwire	591T02
	591T02 – SS For Chrome
Battery Operated	591T12
	591T12 – SS For Chrome
Hardwire with Battery Backup	591T02 – BB For Chrome
	591T02 – SS – BB For Brilliance® Stainless Steel

To specify as separate rough-in and trim – see back of this page



SPOUT & SENSOR	OUTLET	CONTROL BOX
<div>0</div> <div>1</div> <div>2 4" CAST Lavatory Spout </div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div>	<div>0</div> <div>1</div> <div>2 Vandal Resistant 1.5 USGPM (5.7 L/min.) Laminar w/Agion® Antimicrobial </div> <div>3 Vandal Resistant 1.5 USGPM (5.7 L/min.) Flow Control Aerator </div> <div>4 Standard 1.5 USGPM (5.7 L/min.) Flow Control Aerator </div> <div>5 Vandal Resistant 0.5 USGPM (1.9 L/min) Flow Control Non-Aerating Spray Outlet </div> <div>6 Vandal Resistant 1.0 USGPM (3.8 L/min) Flow Control Non-Aerating Spray Outlet </div> <div>7</div> <div>8</div> <div>9</div>	<div>0 Base Model with Surface Mount Housing* SEE Specification Drawing #1 (1)</div> <div>1 For RECESSED MOUNTING Components ASSEMBLED in 10" Metal Box w/12" S/S Cover.* SEE Specification Drawing #2</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6 For RECESSED MOUNTING Components & Mechanical Mixing Valve ASSEMBLED in 10" Metal Box w/12" S/S Cover. SEE Specification Drawing #3</div> <div>7</div> <div>8 For RECESSED MOUNTING Components & Thermostatic Mixing Valve ASSEMBLED in 10" Metal Box w/12" S/S Cover. SEE Specification Drawing #4</div> <div>9</div>

* **Mixing Valve** 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.

Flow Rates are at 60 PSI.

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.

DSP-591T Rev. H



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Electronic Faucet – 591T Series 4" Cast Lavatory

Approvals:

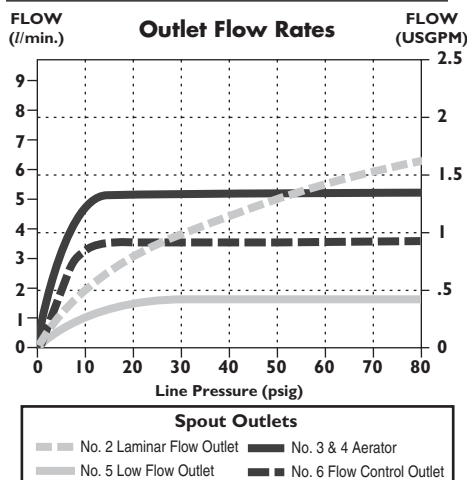
- CSA certified
- Complies to ASME A112.18.1
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. handle operating force.
- Control Box Option 6 Mechanical Mixing Valve CSA certified
- Control Box Option 8 Thermostatic Mixing Valve CSA certified and meets ASSE 1069, 1070



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

U.S. Patent # 6, 826, 455

FLOW RATE vs PRESSURE



OPERATION:

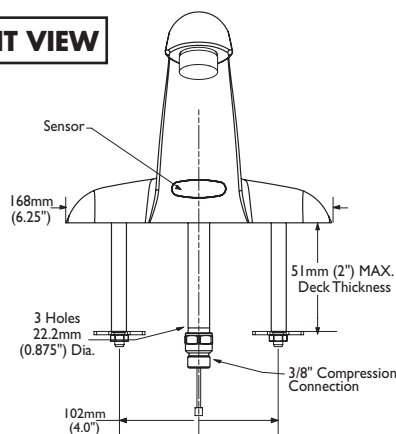
- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon de-activation of sensor.
- Auto shut-off feature that is selectable between 15 to 75 seconds. Factory set to 45 seconds. Will reset once obstruction is removed.
- Adjustable sensing distance 76 to 381 mm (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.

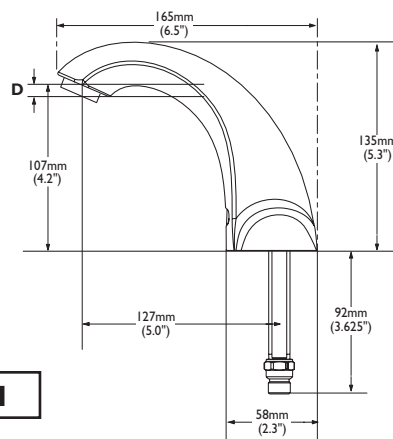
Note: Measurements may vary ± 6mm (0.25")

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

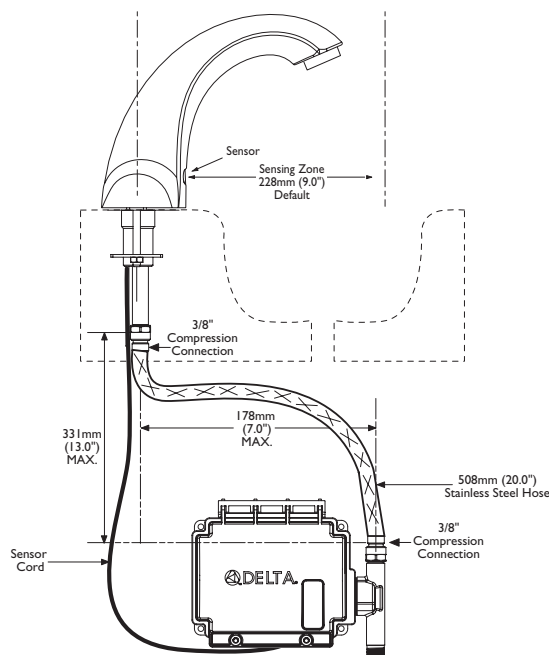
FRONT VIEW



SIDE VIEW



591T1250 TYPICAL INSTALLATION



HARDWIRE WITH BATTERY BACKUP

□ Add suffix **"-BB"** to Product Number. See **DSP-BB** for detailed specification (found in the "Add-On Option" section when using the printed spec binder).

ROUGH-IN ONLY

For Control Box #	Specify Model #
0	Not Available – Complete Product Only
1	591T0001R1
6	591T0006R1
8	591T0008R1

TRIM ONLY

Specify Complete Model # with SUFFIX "TR" (for example, 591T0228TR)

CAST SPOUT OUTLET NO.

	mm	in.
2	11	0.45
3	11	0.45
4	11	0.45
5	11	0.45
6	11	0.45

591T ELECTRONIC FAUCET OPTIONAL ACCESSORIES:

✓	TRANSFORMERS:
	060704A 110 to 24VAC Class II 20VA (Up to 5 Electronic Valves)
	060771A 110 to 24VAC Class II 40VA (Up to 10 Electronic Valves)
	060772A 110 to 24VAC Class II 100VA (Up to 25 Electronic Valves)
✓	CORDS:
	060690A 36" Cable Extension

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Specification Drawing #1

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BASE MODEL – SURFACE MOUNT

591T SERIES

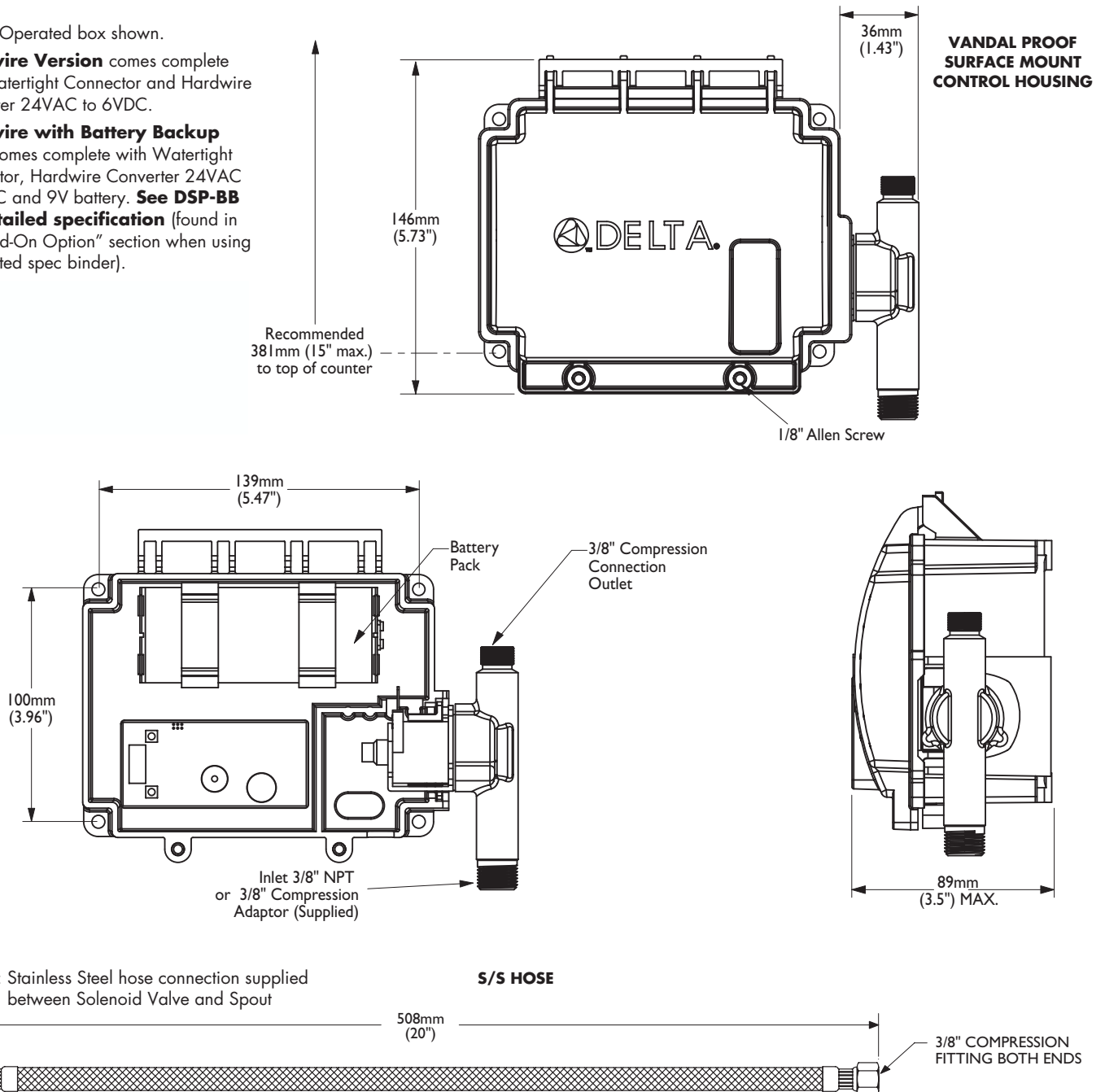
✓	PRODUCT NO.					VALVE TYPE	COVER
	591T	0	2		0	Deckmount Cast Lavatory Hardwire	Surface Mounted
	591T	1	2		0	Deckmount Cast Lavatory Battery	Surface Mounted

591T SERIES

Battery Operated box shown.

Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

Hardwire with Battery Backup (-BB) comes complete with Watertight Connector, Hardwire Converter 24VAC to 6VDC and 9V battery. **See DSP-BB for detailed specification** (found in the "Add-On Option" section when using the printed spec binder).



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

S/S HOSE

3/8" COMPRESSION FITTING BOTH ENDS

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

TEMPERED WATER - ASSEMBLED CONTROL BOX

591T SERIES

✓	PRODUCT NO.					FAUCET TYPE	MOUNT TYPE	COVER	
	*591T	0	2		1	Deckmount Cast Lavatory Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*591T	1	2		1	Deckmount Cast Lavatory Battery	Recessed Mount	305mm (12")	Stainless Steel

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

591T SERIES

Battery Operated box shown.

Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

Hardwire with Battery Backup (-BB) comes complete with Watertight Connector, Hardwire Converter 24VAC to 6VDC and 9V battery.

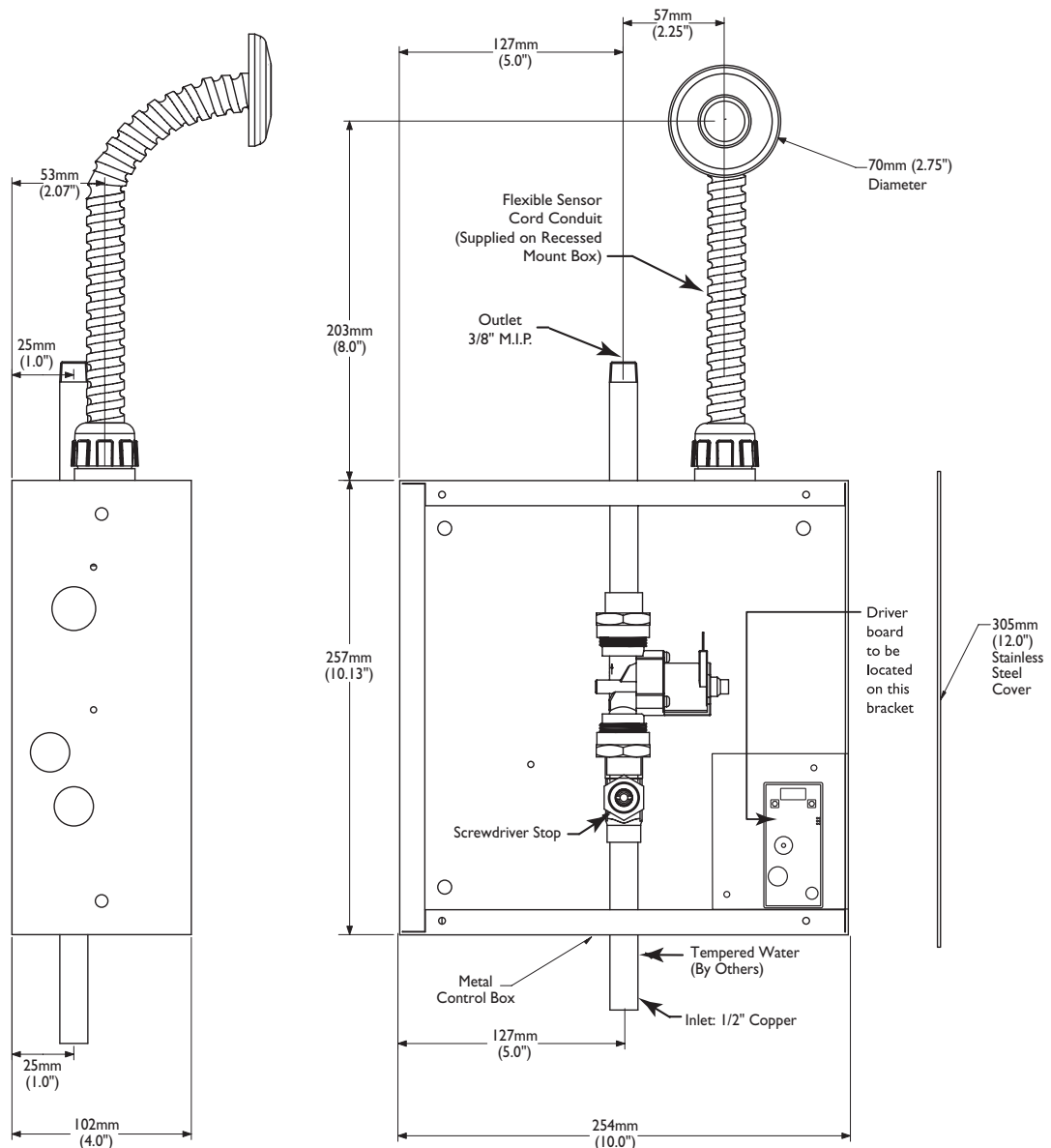
See DSP-BB for detailed specification (found in the "Add-On Option" section when using the printed spec binder).

Connection from box to spout by others.

591T0001RI

Same as below but supplied

- with 10" square metal cover in place of 12" stainless steel cover (part of TR model #)
- with plastic spacer in place of solenoid valve (part of TR model #)
- less driver board and bracket (part of TR model #)



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

MECHANICAL MIXING VALVE ASSEMBLED CONTROL BOX

591T SERIES

✓	PRODUCT NO.					FAUCET TYPE	MOUNT TYPE	COVER	
	*591T	0	2		6	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*591T	1	2		6	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel

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

591T SERIES

Battery Operated box shown.

Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

Hardwire with Battery Backup (-BB) comes complete with Watertight Connector, Hardwire Converter 24VAC to 6VDC and 9V battery.

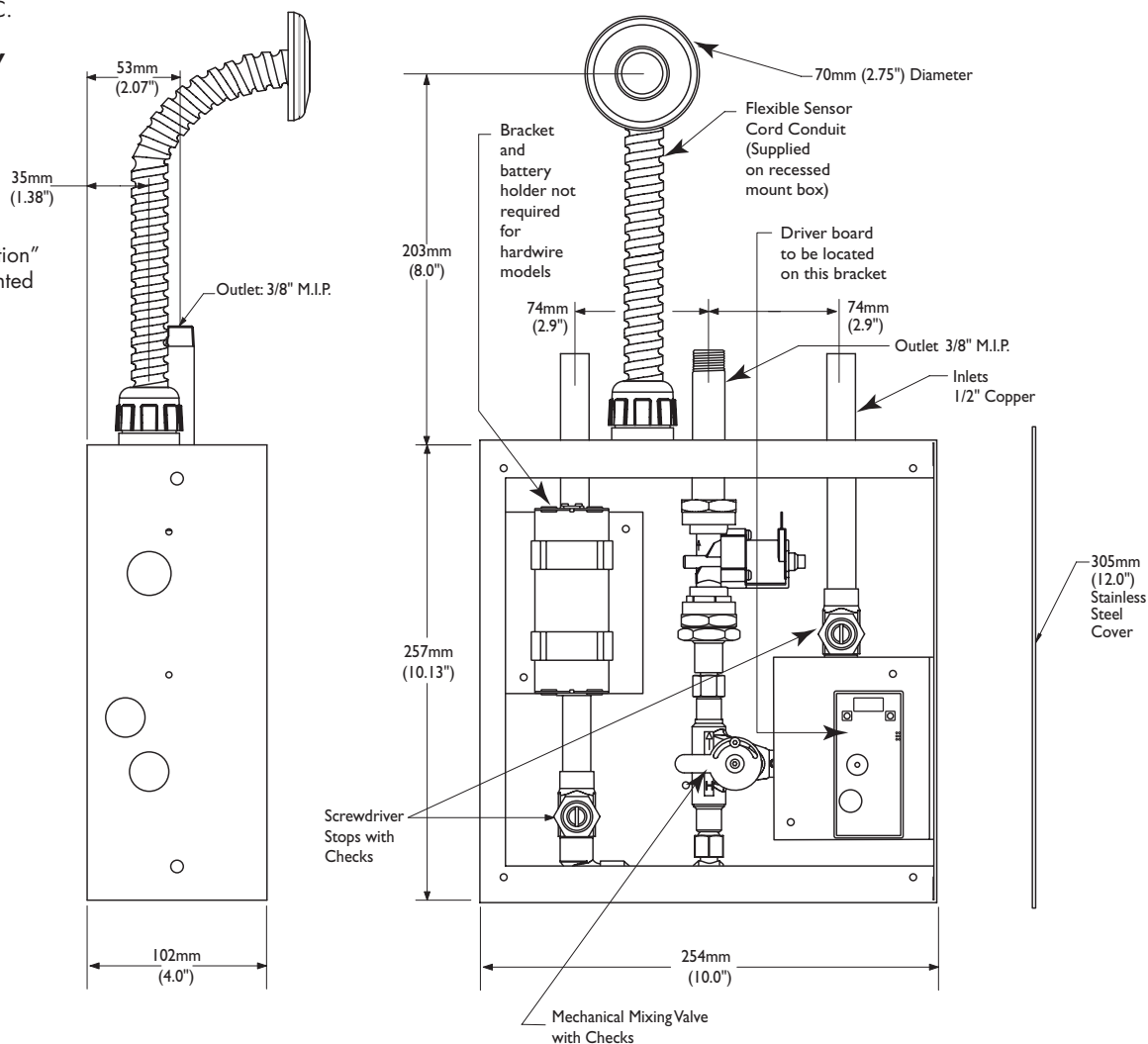
See DSP-BB for detailed specification (found in the "Add-On Option" section when using the printed spec binder).

Connection from box to spout by others.

591T0006RI

Same as below but supplied

- with 10" square metal cover in place of 12" stainless steel cover (part of TR model #)
- with plastic spacer in place of solenoid valve (part of TR model #)
- less driver board and bracket (part of TR model #)
- less bracket and battery holder (part of TR battery model #)



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

THERMOSTATIC MIXING VALVE ASSEMBLED CONTROL BOX

591T SERIES

✓	PRODUCT NO.					FAUCET TYPE	MOUNT TYPE	COVER	
	*591T	0	2		8	Deckmount Handwash Hardwire	Recessed Mount	305mm (12")	Stainless Steel
	*591T	1	2		8	Deckmount Handwash Battery	Recessed Mount	305mm (12")	Stainless Steel

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

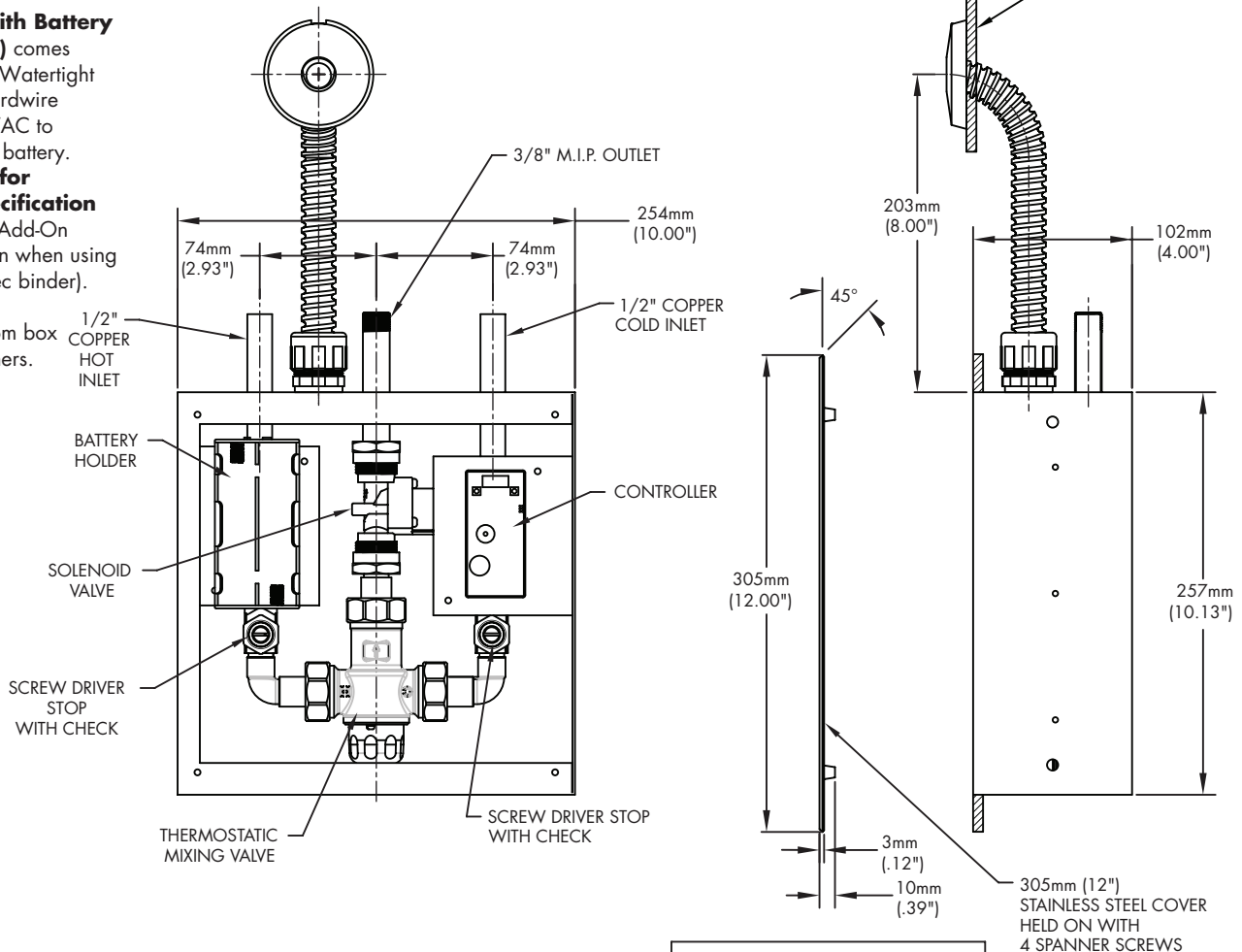
591T SERIES

Battery Operated box shown.

Hardwire Version comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

Hardwire with Battery Backup (-BB) comes complete with Watertight Connector, Hardwire Converter 24VAC to 6VDC and 9V battery. See DSP-BB for detailed specification (found in the "Add-On Option" section when using the printed spec binder).

Connection from box to spout by others.



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