Electronic Activated Flush Valve
1600T Series

TECK®
COMMERCIAL

◭ DELTA®

Specification: (example)

- **Hardwire** (24 VAC)
  infrared electronic activated concealed flush valve 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… with… (add for fixture type required)
with… (add control/sensor box required)
with… (for hardwire with battery backup – specify separately – see next page)
with… (transformer – specify separately – see next page)

1600T6104ARI &
1600T6104ATR

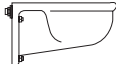### Engineer/Architect Approval

Model Specified:

Approval: Date:

DESCRIPTION		PRODUCT NO.				
Hardwire	1600T	6		0		ARI
Hardwire	1600T	6		0		ATR

For flush volume options –
see back of this page

Note: Rough-in and Trim
Ordered Separately.

SPOUT & SENSOR

✔

0 ☐

1 TOILET - Back Inlet - Wallhung - 1-1/2" Spud ☐

2 TOILET - Back Inlet - Free Standing - 1-1/2" Spud ☐

3 TOILET - Top Inlet - Free Standing or Wallhung - 1-1/2" Spud ☐

4 URINAL - Back Inlet (1) - 3/4" Spud - Syphon Jet Type ☐

5 ☐

6 ☐

7 ☐

8 ☐

9 ☐

NOT APPLICABLE

✔

0 ✔

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

6 ☐

7 ☐

8 ☐

9 ☐

CONTROL BOX

✔

0 ☐

1 ☐

2 For RECESSED MOUNTING Components ASSEMBLED w/Flush Valve in 12 x 18" Frame, w/Integral Sensor in 14 x 20" S/S Cover. SEE Specification Drawing #17 ☐

3 For RECESSED MOUNTING Components ASSEMBLED w/Flush Valve in 12" Frame, w/Integral Sensor in 14" S/S Cover. SEE Specification Drawing #17 ☐

4 For RECESSED MOUNTING Components ASSEMBLED w/Flush Valve, 4" Box, w/Integral Sensor in S/S Cover. SEE Specification Drawing #17 ☐

5 ☐

6 ☐

7 ☐

8 ☐

9 ☐

(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.
Note: For high and low pressure applications, please see page FEA-81T High Water Pressure note for more details. Verify flow requirements with bowl manufacturer.

Approvals:

- IAPMO listed to ASSE 1037/ASME A112.1037/CSA B125.37
- ♿ Indicates compliance to ICC/ANSI A117.1.

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

Patented

W.C. OPERATION:

- 8 second blocking time.
- 4 second activation delay.
- Adjustable flush volume using adjustment screw on flush valve.
- Selectable sensing distance: 24 to 56" in 8" increments factory set to 40"
- **Recommended water supply:** Minimum flowing pressure – 25 psi (172 kPa) Minimum flow rate – 25 gpm (95 L/min)

URINAL OPERATION:

- 8 second blocking time.
- 0 second activation delay.
- Adjustable flush volume using adjustment screw on flush valve.
- Selectable sensing distance: 12 to 28" in 4" increments factory set to 20"
- Adjustable 24 hour courtesy flush factory set to off.
- **Recommended water supply:** Minimum flowing pressure – 25 psi (172 kPa) Minimum flow rate – 8 gpm (30 L/min)

FLUSH VOLUME OPTIONS
Fixture # 1, 2 or 3 (Factory set)

Suffix	Add Suffix to "RI" and "TR" Product Number
None	6 litre (1.6 gal.) Adjustable
-6	6 litre (1.6 gal.) Not field adjustable
-48	4.8 litre (1.27 gal.) Not field adjustable ♿

FLUSH VOLUME OPTIONS
Fixture # 4 (Factory set)

| Suffix	Add Suffix to "RI" and "TR" Product Number
None	1.9 litre (0.5 gal.) Adjustable
-19	1.9 litre (0.5 gal.) Not field adjustable ♿
-05	0.5 litre (0.125 gal.) Not field adjustable ♿

1600T ELECTRONIC FLUSH VALVE 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)
✔	**CORDS:**
	060680A 4' Solenoid Extension Wire
✔	**HARDWIRE CONVERTER:**
	060683A 24VAC to 6VDC Converter (Supplied standard on Hardwire models)
	061047A 24VAC to 6VDC Converter with Battery Backup (Standard on "-BB" models)

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

1600T6103ARI AND 1600T6103ATR TYPICAL INSTALLATION
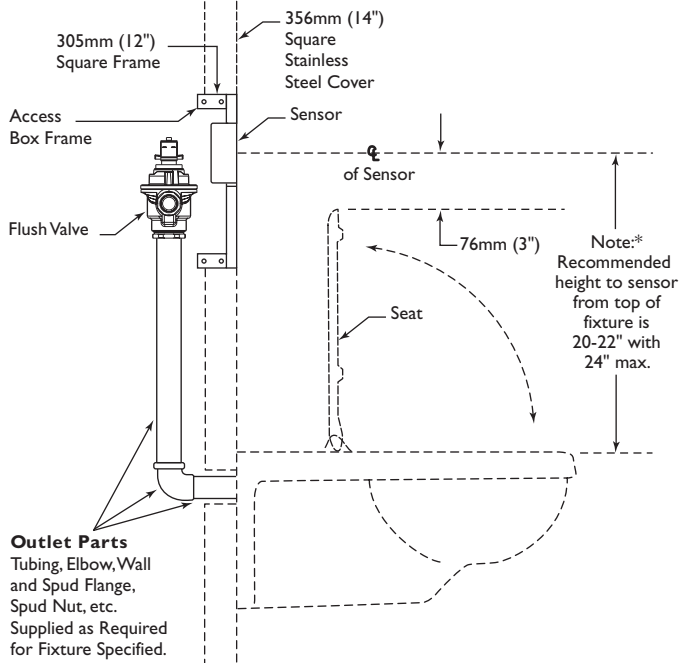
*See Maintenance and Installation Guide for complete sensor height installation instructions

356mm (14") Square Stainless Steel Cover
305mm (12") Square Frame
Access Box Frame
Sensor
₵ of Sensor
Flush Valve
76mm (3")
Seat
Note:* Recommended height to sensor from top of fixture is 20-22" with 24" max.

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

"RI" ROUGH-IN MODELS

Supplied as complete flush valve and wall box or wall access frame

"TR" TRIM MODELS

Supplied as sensor and over-ride button attached to stainless steel cover

Available Options for Field Conversion

❏ **061047A Hardwire with Battery Backup See DSP-BB for detailed specification.**

1600T6403ARI AND 1600T6403ATR TYPICAL INSTALLATION
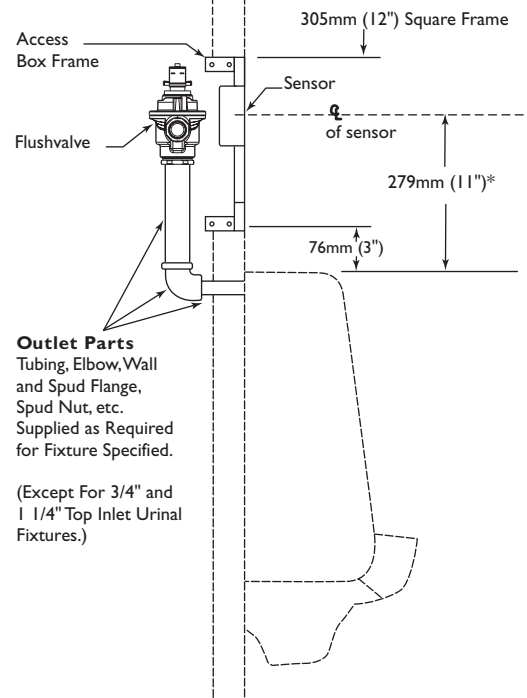
305mm (12") Square Frame
Access Box Frame
Sensor
Flushvalve
₵ of sensor
279mm (11")*
76mm (3")

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.)

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 Rev. L

CONCEALED FLUSH VALVE INSTALLATION (RECESSED MOUNT)

1600T SERIES							
✔	**PRODUCT NO.**				**VALVE TYPE**	**MOUNT TYPE**	**COVER**
	1600T	6	0 2	A	Flush Valve w/Access Panel Box	Recessed Mount	356 x 508mm (14 x 20") Stainless Steel
	1600T	6	0 3	A	Flush Valve w/Access Panel Box	Recessed Mount	356mm (14") Stainless Steel
	*1600T	6	0 4	A	Flush Valve less Access Panel Box	Recessed Mount	114mm (4-1/2") Stainless Steel

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

1600T SERIES

305mm (12") Square Frame

356mm (14") Square Stainless Steel Cover

Access Box Frame

Sensor

Flushvalve

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

"RI" ROUGH-IN MODELS
Supplied as complete flush valve and wall box or wall access frame

"TR" TRIM MODELS
Supplied as sensor and over-ride button attached to stainless steel cover

305mm (12") Square Access Box Frame

Wheel Handle Stop

Flush Valve

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

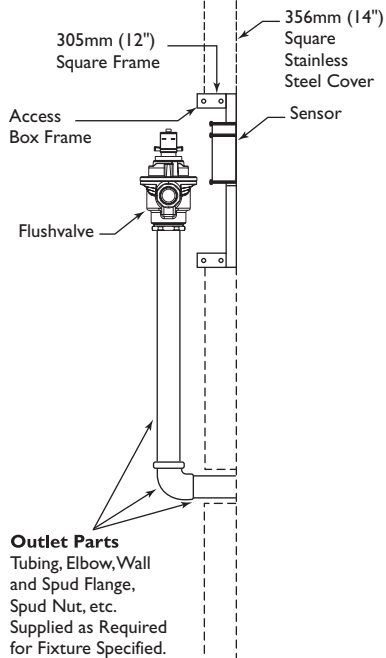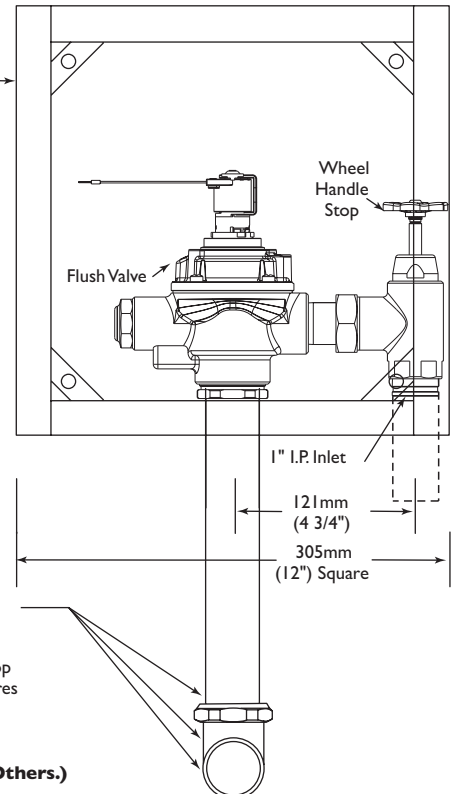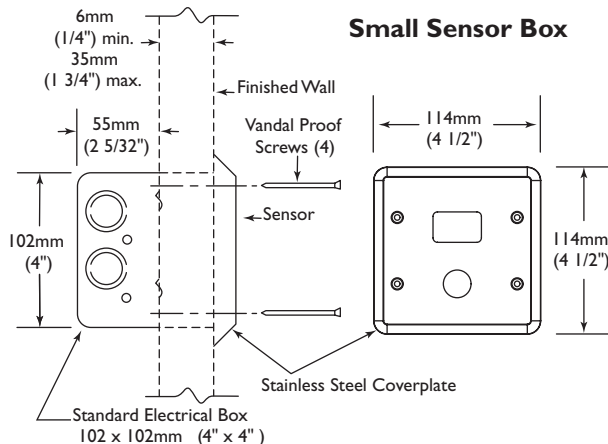**Except for:**
3/4" and 1 1/4" Top Inlet Urinal Fixtures Where Exposed Tubing, Flanges, Elbow, etc. **(Supplied by Others.)**

1" I.P. Inlet

121mm (4 3/4")

305mm (12") Square

Small Sensor Box

6mm (1/4") min.
35mm (1 3/4") max.

Finished Wall

55mm (2 5/32")

Vandal Proof Screws (4)

114mm (4 1/2")

102mm (4")

Sensor

114mm (4 1/2")

Stainless Steel Coverplate

Standard Electrical Box 102 x 102mm (4" x 4")

SMALL SENSOR BOX SUPPLIED ONLY ON 1600T6_04

** **356mm (14") Square S/S Cover and 305mm (12") Square Frame. SUPPLIED ONLY ON 1600T6_03**
OR
** **356 x 508MM (14 x 20") S/S Cover and 305 x 457mm (12 x 18") Frame. SUPPLIED ONLY ON 1600T6_02**

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

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