To be specified:

**Sensor Urinal Flush Valve**
- Complete Set, Surface Mount, Satin Finish
  - (4” x 4” cover plate)
- Back Spud - TEU3DNS-11 (3/4” V.B.)
- Back Spud - TEU3DNS-21 (1-1/4” V.B.)

Supplied with:
- Vacuum Breaker & Angle Stop Set -VB13RB-11
  - 3/4” Angle Stop - 10077t6
  - 3/4” Vacuum Breaker - 10075t6
  - Outlet Tube - TH559EDV171
  - Sweat Solder Kit - SJ1
- Vacuum Breaker & Angle Stop Set -VB13RB-21
  - 3/4” Angle Stop - 10077t6
  - 1-1/4” Vacuum Breaker - 10075t7
  - Outlet Tube - TH559EDV172
  - Sweat Solder Kit - SJ1

Meets the American disability Act Guidelines and ANSI A117.1 requirements for people with disabilities

**AUTOMATIC FLUSHING SYSTEM**

TOTO, the world leader in advanced plumbing systems, provides sensor operated flush valves for facilities demanding the finest sanitation equipment for busy restrooms. “Hands-free” technology effectively reduces unsanitary conditions from unflushed fixtures.

**SUPERIOR PISTON VALVE**

TOTO’s piston valve technology is a marked improvement over traditional rubber diaphragm type valves. Longer piston travel and self-cleaning stainless steel debris screen reduce common problems such as continuous running and flooding. The piston seat itself will not warp or mis-seal thus, significantly reducing repair and maintenance costs. A micro-porous cup seal keeps the piston self-lubricated upon each activation with the incoming water supply.

**OPERATING PROCEDURE**

A sanitary environment without using the hands.

1. Infrared Sensor
2. Urinal Usage
3. Flushing
**Battery Powered (6V DC)**

**Sensor Urinal Flush Valve, Concealed (4" x 4") - 1.0 GPF**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product</th>
<th>TEU3DNS-11-Complete Set (3/4&quot; V.B.), Back Spud, Satin Finish</th>
<th>TEU3DNS-21-Complete Set (1-1/4&quot; V.B.), Back Spud, Satin Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>Four AA alkaline batteries, 2-year life, based on 4000 cycles per month</td>
<td></td>
</tr>
<tr>
<td>Detection range</td>
<td>Self-adjusting to environment</td>
<td></td>
</tr>
<tr>
<td>Detection time</td>
<td>Factory setting at six (6) seconds minimum</td>
<td></td>
</tr>
<tr>
<td>Water supply</td>
<td>3/4&quot; NPT</td>
<td></td>
</tr>
<tr>
<td>Discharge quantity</td>
<td>Factory setting at 1.0 GPF/3.8 LPF</td>
<td></td>
</tr>
<tr>
<td>Urinal type</td>
<td>Low consumption wash down and jetted flush design urinals</td>
<td></td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>32°-104°F (0°-40°C)</td>
<td></td>
</tr>
<tr>
<td>Supply water pressure</td>
<td>15 psi - 125 psi*</td>
<td></td>
</tr>
<tr>
<td>Warranty</td>
<td>Limited three (3) year warranty on all component parts. Details available upon request.</td>
<td></td>
</tr>
<tr>
<td>Listings</td>
<td>ASSE 1037</td>
<td></td>
</tr>
</tbody>
</table>

*These dimensions and specifications are subject to change without notice.*

*Water pressures over 80 psi are not recommended for most plumbing fixtures.*

---

SUGGESTED ENGINEERING SPECIFICATION:

TOTO Model No. _________________________

Automatic infrared sensor activated, bronze piston urinal flush valve. 4" x 4" cover plate with brushed stainless finish and vandal resistant mounting screws. Four AA alkaline batteries included with a 2-year life at 4,000 cycles/month. Low consumption 1.0 gallons per flush. Piston valve with stainless self-cleaning debris screen and self-cleaning solenoid. Electrical sensor components separated from water body of valve and sealed in a waterproof compartment. Fuzzy logic and vandal resistant sensor included. Manual override button included.

**DIAGRAM:**

Note:
Minimum 12"x12" access panel, or walk-in chase is required for service and maintenance.