

# TOTO®

## Battery Powered (6V DC) Sensor Toilet Flush Valve, Concealed (4" x 4") - 1.6 GPF

To be specified:

### Sensor Toilet Flush Valve

- Complete Set, Surface Mount, Satin Finish (4" x 4" cover plate)
- Back Spud Floor – TET3DNS-33 (1- 1/2" V.B.)
- Back Spud Wall – TET3DNS-31 (1- 1/2" V.B.)
- Top Spud – TET3DNS-32 (1- 1/2" V.B.)

Supplied with:

- Vacuum Breaker & Angle Stop Set -VB13RB-31 (Back Spud Wall)
  - 1" Angle Stop - 10077t5
  - 1- 1/2" Vacuum Breaker - 10075t4
  - Outlet Tube - TH559EDV176
  - Sweat Solder Kit – SJ3
- Vacuum Breaker & Angle Stop Set -VB13RB-32 (Top Spud)
  - 1" Angle Stop - 10077t5
  - 1 1/2" Vacuum Breaker - 10075t3
  - Outlet Tube - TH559EDV177
  - Sweat Solder Kit – SJ3
- Vacuum Breaker & Angle Stop Set -VB13RB-33 (Back Spud floor)
  - 1" Angle Stop - 10077t5
  - 1 1/2" Vacuum Breaker - 10075t4
  - Outlet Tube - TH559EDV175
  - Sweat Solder Kit – SJ3

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



TET3DNS-32



### 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



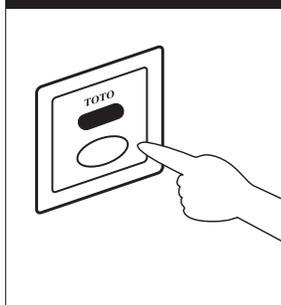
The infrared sensor detects a user sitting on the toilet seat.

#### 2 Flushing



After using over 5 seconds, when a user leaves the fixture, the sensor automatically sends a signal to the operating unit to activate the flush valve.

#### Manual Flushing Button



For toilet bowl maintenance, the toilet is equipped with a manual flushing button.



# Battery Powered(6V DC) Sensor Toilet Flush Valve, Concealed (4" x 4") - 1.6 GPF

## SPECIFICATIONS

<b>Product</b>	TET3DNS-31-Complete Set (1 1/2" V.B.), Back Spud Wall, Satin Finish TET3DNS-32-Complete Set (1 1/2" V.B.), Top Spud , Satin Finish TET3DNS-33-Complete Set (1 1/2" V.B.), Back Spud Floor, Satin Finish
<b>Power supply</b>	Four AA alkaline batteries, 2-year life, based on 4000 cycles per month
<b>Detection range</b>	Self-adjusting to environment
<b>Detection time</b>	Factory setting at six (6) seconds minimum
<b>Water supply</b>	1" NPT
<b>Discharge quantity</b>	Factory setting at 1.6 GPF/6.0 LPF
<b>Toilet type</b>	Flushometer type bowl
<b>Ambient temperature</b>	32°-104°F (0°-40°C)
<b>Supply water pressure</b>	15 psi - 100 psi*
<b>Warranty</b>	Limited three (3) year warranty on all component parts. Details available upon request.
<b>Listings</b>	 A.S.S.E. 1037

These dimensions and specifications are subject to change without notice.

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

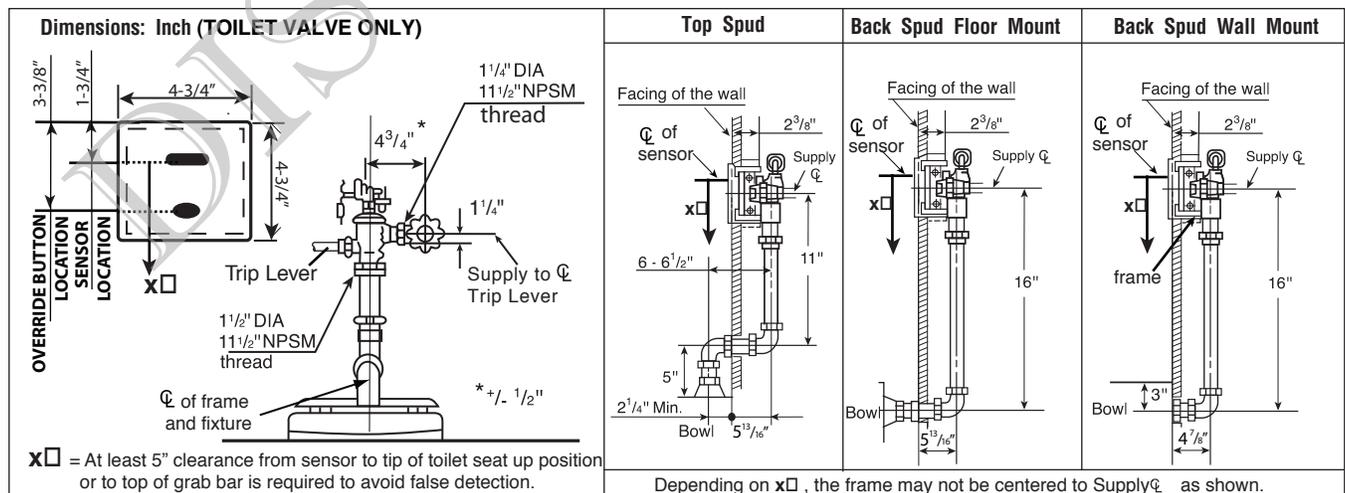
## SUGGESTED ENGINEERING SPECIFICATION:

TOTO Model No. \_\_\_\_\_  
Automatic infrared sensor activated, bronze piston toilet flush valve. 4" x 4" cover plate with brushed stainless finish.  
Electrical sensor components separated from water body of

solenoid valve and sealed in a waterproof compartment. Low consumption 1.6 gallons per flush. Piston valve with stainless self-cleaning debris screen and self-cleaning solenoid. Manual override button included.

Note: make sure push button and trip lever are properly aligned. Do not place grab bars in front of sensor for ADA stalls.  
Minimum 12"x12" access panel, or walk-in chase is required for service and maintenance.

## DIAGRAM:



**TOTO®**

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