

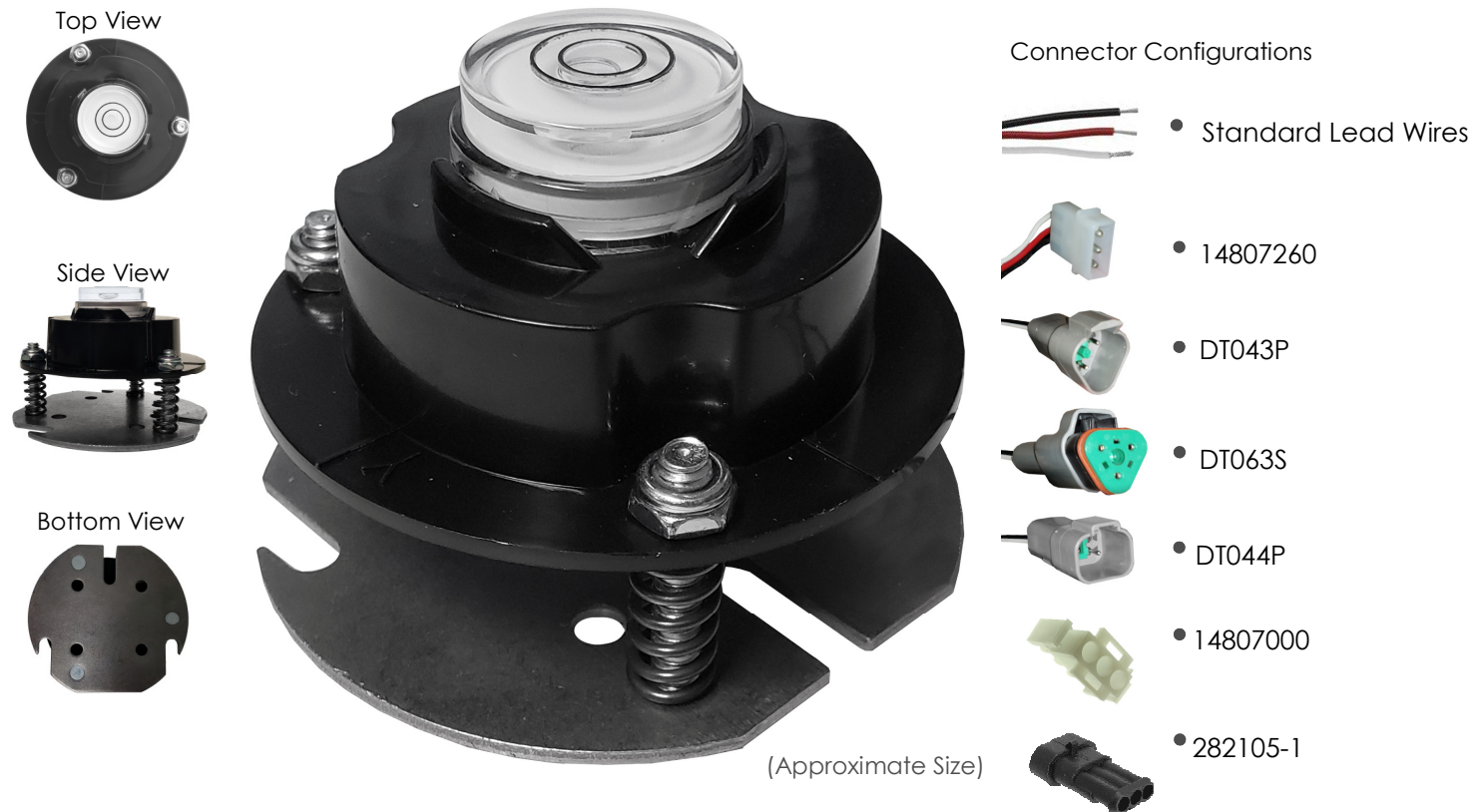
# 71.44 Series

Introducing the 71.44 series tilt / level sensor. This is a digital sensor that can communicate with equipment when the environment causes equipment to become unstable by grade.

This tilt / level sensor features an analog bubble (does not determine grade or communicate with the unit) display. It has an industry standard mounting pattern so it can provide fitment on many existing designs.

The 71.44 series sensor also has a high IP rating allowing for significant environmental resistance. The design of the enclosure, bolt selection, and internal PCB configuration stops dust, and liquids from entering the sensor, preventing damage to the unit. It has a high shock and vibratory resistance rating as well.

This sensor features a low-profile build that can allow for installation and mounting into existing equipment, and provide more freedom in vertical space for new equipment designs!



## General:

Weight < 305g  
 Mounting Studs 1/4"  
 Wire length as required: Standard is 12"  
 Ingress Rating: IP67

## Electrical Specifications:

Supply Voltage: 7.5 Vdc to 75 Vdc  
 Operating Current: 50mA  
 Output Current: Source/Sink 1.0A max  
 Output Type:  
 Normally Closed or Normally Open or NO&NC  
 CAN Bus option  
 Reverse polarity Protection: Yes  
 Over-voltage Protection: Yes  
 Short Circuit Protection: Optional in-line fuse

## Performance Specifications:

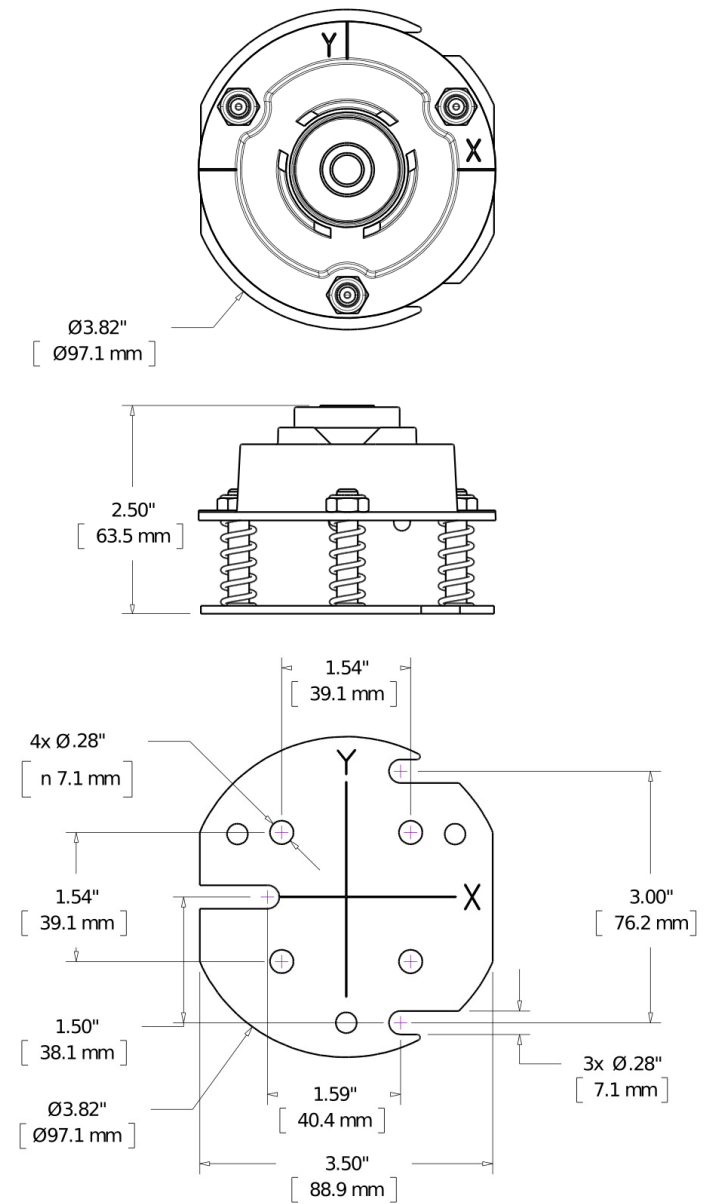
Number of Axes 2 axes  
 Operating Angle:  $\pm 90^\circ$  Resolution 0.1°  
 Time Delay As Required

## Environmental:

Temperature Range  $-40^\circ$  to  $80^\circ\text{C}$   
 Operating life >10,000,000 operations @ 1A load  
 Ingress Protection IP67  
 IEC61000-4-2:2008 = Contact  $\pm 4\text{kV}$  & Air  $\pm 8\text{kV}$   
 IEC61000-4-3:2010 = 80 Mhz to 1 Ghz @3V/m  
 IEC61000-4-4:2012 =  $\pm 1\text{kV}$  for DC Input only  
 IEC61000-4-5:2014 =  $\pm 1\text{kV}$  (L-L)  
 IEC61000-4-6:2013 = 3Vrms  
 IEC61000-4-8:2009 = 1A/m @ 50 Hz & 60 Hz  
 Shock: 20g @ 11ms half-sine, 3 pulses each direction  
 Vibration: 25g @ 10-150-10 Hz sweep, each axis

CE Conformity: EMCD 2014/30/EU || MD 2006/42/EC

LED Indicators on bottom of unit:		
	OFF	ON
L1- GREEN	Device is OFF	Device is ON
L2- YELLOW	Not Active	Active (See configuration)



## How to Order

Series	NO / NC	X axis	Y axis	Output	Delay	Delay Reset	Wire Length	Connector	Option
Example: 71.44	0	3	3.5	H	2	0	12	0	IF
Choices: (series)	0 = Normally Open 1 = Normally Closed 2 = NO & NC	(degrees)	(degrees)	H = [+ VS] High polyfuse L = [- GND] Low polyfuse	(seconds)	(seconds)	(inches)	0 = Lead Wire 1 = DT043P 2 = DT063S 3 = DT044P 4 = 14807260 5 = 14807000 6 = 282105-1	(Inline Fuse)