

SIGFOX TILT SENSOR



SKU: WSSFC-AG

SIGFOX XYZ TILT SENSOR WSSFC-AG



WSSFC-AG-H1.PNG

WSSFC-AG is a Sigfox Tilt Sensor, can be used to measure 3 tilt angles X, Y, Z of any object as Tower, Building, Tree, Electricity Tower, Telecom Tower, Bridges... The Tilt sensor utilises the combination of advanced Accelerometer and Gyro meter to deliver high accuracy and stable measurement of Tilt angle of 03 axis X,Y,Z. The Ultra-Low Power design and smart firmware allow the sensor to last up to 10 years with 02 x AA battery (depending on configuration). The sensor will transmit data in kilo-meters distance to Sigfox basestation. WSSFC-AG can support all regions of Sigfox network in over the World, RC1, RC2, RC3, RC4, RC5, RC6, RC7.



SIGFOX READY

Device are best operating performance on the SIGFOX network



10 YEAR BATTERY

Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology allow the sensor can last up to 10 years with 2 x AA batteries 1.5VDC



HIGH ACCURACY & STABLE

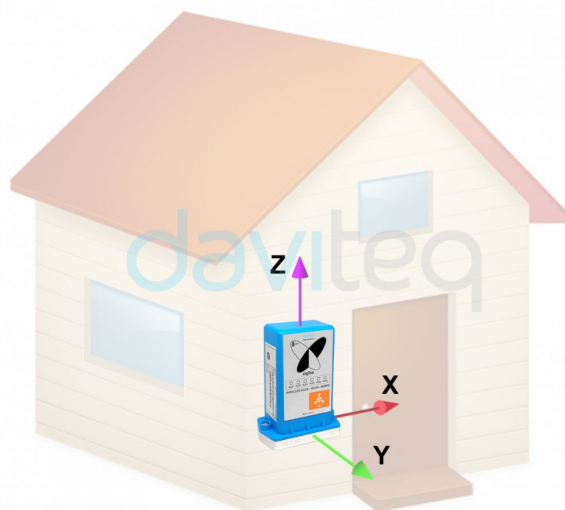
Advanced Accelerometer with Gyro meter to deliver high accuracy and stable measurement of Tilt angle of 03 axis X,Y,Z.



IP67

For both indoor and outdoor applications

TILT SENSOR INSTALLED ON THE WALL



WSSFC-AG-H2.PNG

DAVITEQ TECHNOLOGIES INC

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SPECIFICATION

SENSORS SPECIFICATION:	
Tilt Sensor	Built-in advanced accelerometer and gyro meter to deliver tilt angle measurement of X, Y, Z
Measurement range	$\pm 90^\circ$ of XYZ
Repeatability	$\pm 0.25^\circ$
Sensor sampling rate	1Hz max
Alarm setting	setting the alarm threshold for each angle
Sigfox SPECIFICATION:	
Sigfox zones	select RC2-RC3-RC4-RC5 or RC1-RC6-RC7
Antenna	Internal Antenna 2dbi
Battery	02 x AA Type 1.5VDC, working time up to 10 years (depends on configuration)
RF Module complies to	CE, FCC, ARIB
Working temperature	$-40^\circ\text{C}..+60^\circ\text{C}$ (using Energizer Lithium Ultimate AA battery)
Dimensions	H97xW73xD42
Net-weight	250 grams
Housing	Polycarbonate & POM plastic, IP67

TILT SENSOR INSTALLED ON THE TREE



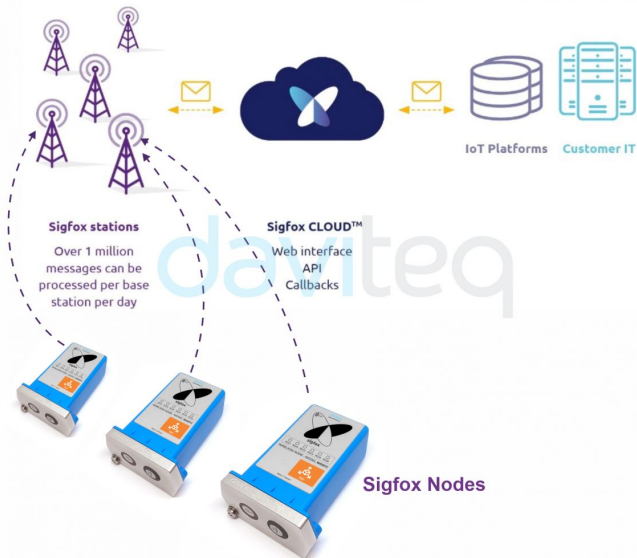
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TILT SENSOR FOR CRANE MONITORING

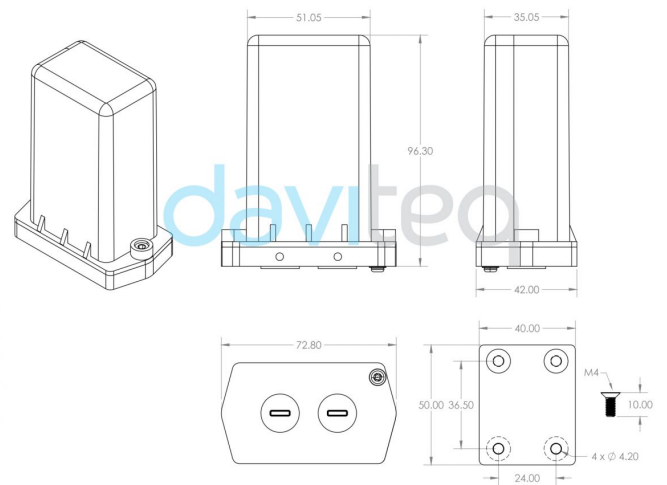


WSSFC-AG-H4.PNG

SYSTEM ARCHITECTURE



WSSFC-AG-H5.PNG

DIMENSION DRAWING OF WIRELESS SENSOR
(Unit: mm)

WSSFC-AG-H6.PNG

RECOMMENDED BATTERIES

E91 AA Alkaline battery

-18 .. + 60 oC working temperature

10-year shelf life

3000 mAH Capacity

Price: 1X

L91 AA Lithium battery

-40 .. + 60 oC working temperature

20-year shelf life

3500 mAH Capacity

Price: 3.5X

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WSSFC-AG-H8.PNG

ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
WSSFC-AG-9-01	Sigfox XYZ Tilt sensor, Internal antenna, Type AA battery 1.5VDC, IP67, RC2-RC3-RC4-RC5 zones
WSSFC-AG-8-01	Sigfox XYZ Tilt sensor, Internal antenna, Type AA battery 1.5VDC, IP67, RC1-RC6-RC7 zones

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