



## RF WS ACT01

### Wireless Accelometer - Tilt Sensor



DATASHEET

<b>Product name</b>	<b>RF WS ACT01</b>
<b>Accelerometer Specifications</b>	
Sensitivity	4096 count/g
Sensitivity Range	± 2.0 g
Measurement Accuracy	± 2.5 %
Minimum G Force to Turn On/Wake Up	0.050 g - 0.100 g
Fastest Update Interval/Heart Rate in Any Configuration	1 Minute Sampling Rate: 500 Samples/Sec.
Current Consumption	0.7 µA (sleep mode) 2mA (radio idle/off mode) 2mA (measurement mode) 25mA (radio RX mode) 35mA (radio TX mode)
Bandwidth for Data Measurement	800 Hz
Resolution	0.1°
Measuring Range	0° to 180° > -180° to -0° (Rotating in positive direction)
<b>868 MHz Specifications</b>	
Operating Frequency	868 MHz Operating Frequency
Certifications	CE Certified and Complies with CISPR 22:2008-09 / EN 55022:2010 - Class B and ETSI EN 300 220-2 V2.4.1 (2012-05)
<b>Coin Cell Specifications</b>	
Battery Type	Replaceable 3.0V Coin Cell Battery
Dimension	1.775 in x 1.04 in x 0.785 in
Max Operating Temperature	-20°C to +60°C (-4° to +140°F)
Optimal Battery Operating Temperature (Coin Cell)	+10°C to +50°C (+50°F to +122°F)
Supply Voltage	2.0 - 3.6 V (Single CR2032 Coin Cell Battery)
Device Range	250 - 300 ft. non-line-of-sight device range*
Battery Life	At 1 hour heartbeat setting, coin cell battery will typically last ~ 1-2 Years. **
Enclosure Material	ABS
Dimensions	<p>Height: 0.785 in (19.939 mm)</p> <p>1.775 in (45.085 mm)</p> <p>1.040 in (26.416 mm)</p>
<b>Articel No:</b>	<b>RF WS ACT01</b>
<b>Typical Applications:</b>	
Monitoring of inclination	Transportation Monitoring
Monitoring of sensitive goods	Storage Monitoring
Pitch & Roll	



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