

SIGFOX-READY EX D APPROVED AMBIENT HUMIDITY AND TEMPERATURE SENSOR

daviteq

SKU: WSSFCEX-ATH

SIGFOX-READY Ex d AMBIENT HUMIDITY AND TEMPERATURE SENSOR WSSFCEX-ATH



WSSFCEX-ATH-H1.JPEG



WSSFCEX-ATH is a Sigfox-ready sensor with Ex d explosion-proof approval, comes with a built-in high-performance ambient humidity and temperature sensor. With Ultra-low-power design and smart firmware allow the complete Wireless and Sensor package to run on a single battery 3.6V for 5 years or more with 15 minutes update. It supports all Sigfox zones like RC1-RC2-RC3-RC4-RC5-RC6-RC7.

Typical applications: Ambient humidity and temperature monitoring for warehouse or area with flammable gases or dust.



SIGFOX READY

Support RC1-RC2-RC3-RC4-RC5-RC6-RC7.



HIGH PERFORMANCE SENSOR

High accuracy 1.5%RH and 0.1 oC



MORE THAN 5 YEARS BATTERY LIFE

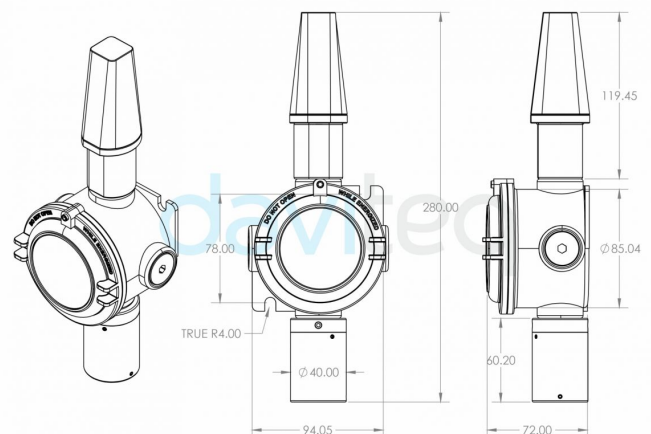
Ultra low power sensor technology allow 5-year battery life with a single battery 3.6V



PLUG & PLAY

The sensor is tested and pre-configured in factory before shipping.

DIMENSION DRAWING OF WIRELESS SENSOR (Unit: mm)



WSSFCEX-ATH-H2.JPEG

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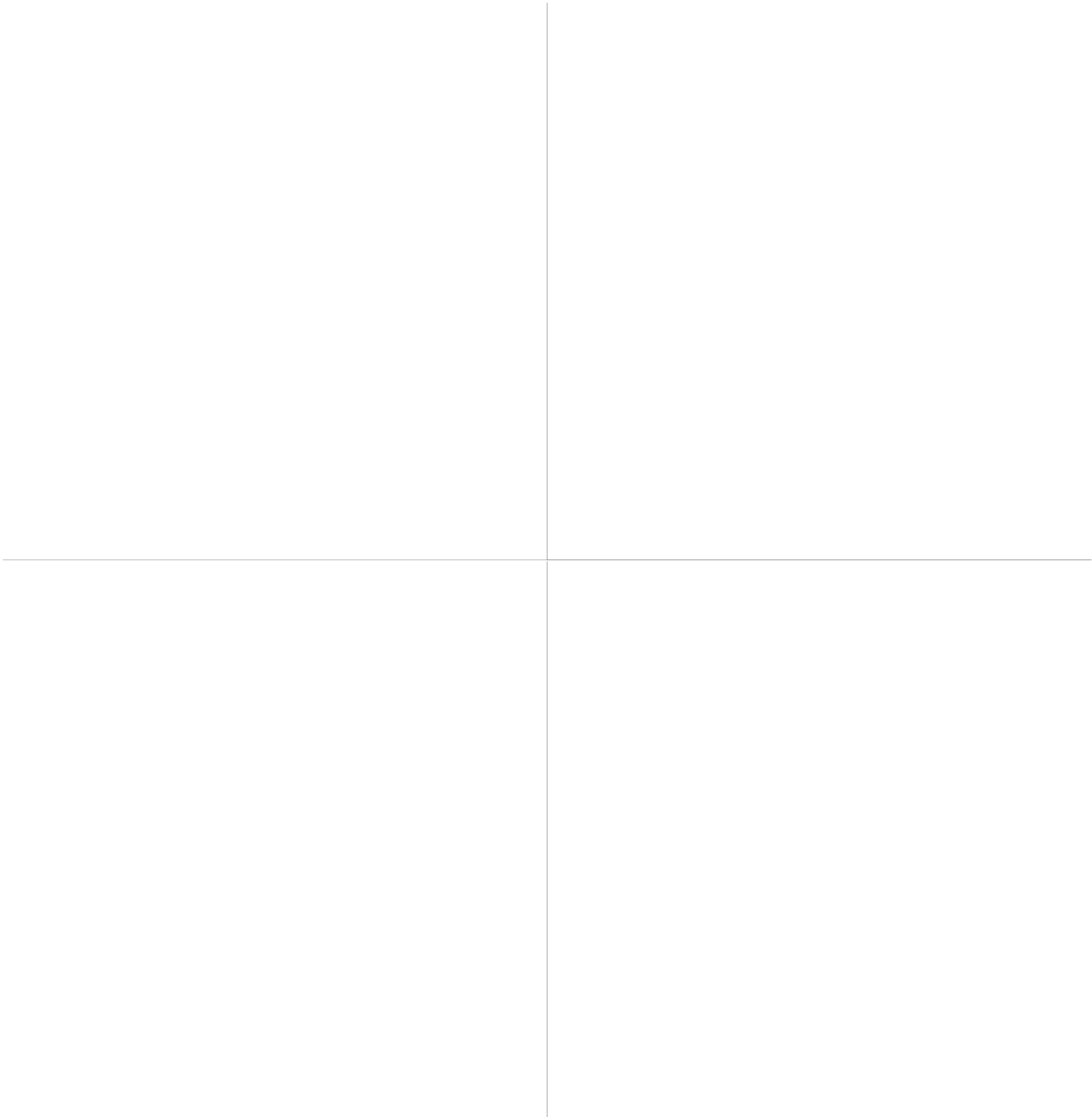
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SPECIFICATION

Sensor	Digital type, factory calibrated, output both Humidity & Temperature values
Humidity measuring range & accuracy	0 .. 100 %RH, +/- 1.5% highest
Humidity resolution	0.1%
Temperature measuring range & accuracy	-40 .. + 85 oC, +/- 0.1 oC highest
Temperature resolution	0.1 oC
Sigfox zones	select RC2-RC3-RC4-RC5 or RC1-RC6-RC7
Antenna	N-male type external Antenna
Battery	LiSOCI2 3.6V, working time up to 10 years (depends on configuration)
ATEX Certificates	IMQ 14 ATEX 005 X, TÜV CY 18 ATEX 0206158 X and IECEx DEK 15.0048X
Marking	ATEX II 2G Ex db IIC T4 Gb and ATEX II 2D Ex tb IIIC T135°C Db
Directive	ATEX 2014/34/EU
Standards	IEC-EN60079-0 IEC-EN60079-1 IEC-EN60079-31
Applicable zones	Zone 1 - 21 (gas) and Zone 2 - 22 (dust)
Ambient working temperature	-40oC..+85oC
Housing	Cast aluminium, powder coated, IP66
Mounting	wall mounting holes
Product dimensions	H100xW100xD80 (excluded antenna)
Net weight	1.5 kgs
Packaging dimension	W160 x D150 x H250 mm
Gross weight	< 1.6 kgs

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ORDERING INFORMATION

WSSFCEX-ATH-15	SIGFOX-READY AMBIENT HUMIDITY AND TEMPERATURE SENSOR, EX D APPROVAL, ZONE 1/2/21/22, IP66, 3.6V BATTERY, RC1-RC2-RC4 ZONES
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