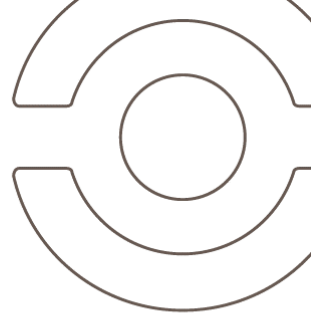




THN2xWS4

Wireless thermocouple with 2 channels.
Compatible with Texense GenWM

SN: U#####

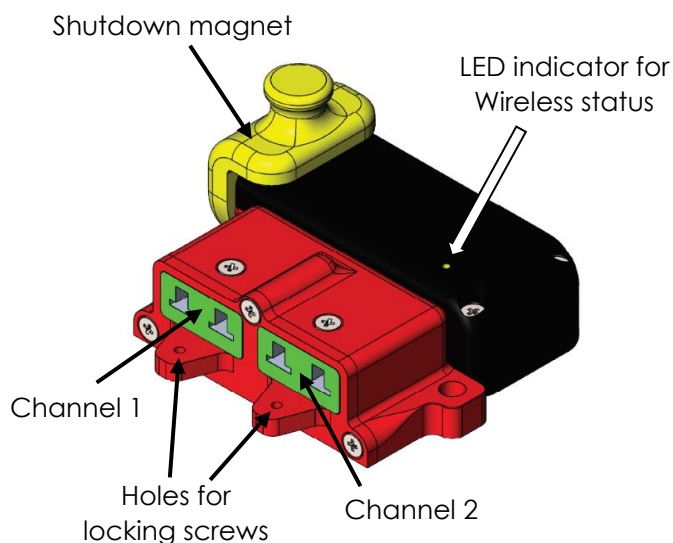
Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

Measurement features			
Type		K	
Range		From -100 to +1300	°C
Accuracy	Range ≤ 400°C	±1	°C
	Range > 400°C	±0.25	%FS
Cold junction error		± 0.7	°C
Sampling frequency		10	Hz
Calibrator		Fluke 714B or 753	
RF features			
RF Frequency		Configurable 868, 902 or 920	MHz
Receiver Sensitivity		-112	dBm
RF Emission Power		Configurable 0 to 13 dBm (1 to 20mW)	dBm
Electrical features			
Battery Rating Voltage		3.6	V
Battery capacity @25°C		750	mAh
Average current consumption @25°C	Sleep mode	5	µA
	Idle mode	130	µA
	Run mode (connected)	10	mA
	Run mode (not connected)	30	mA
Mechanical feature			
Dimension		61.3x55.5x18.5	mm
Material		PR752 + aluminum	
Weight (with battery, without magnet)		68	g
Protection		IP50	
Environment			
Vibration test		20Gpp 5'	
Shock		500	G
Operating Temp		-20 to +85	°C
Storage Temp		-20 to +85	°C

Date	##/##/####	Operator	
Order			
Customer			
Product Ref	THN2xWS4-K####-###		
SW version	V#.##		
Paired GenWM	SN U#####		

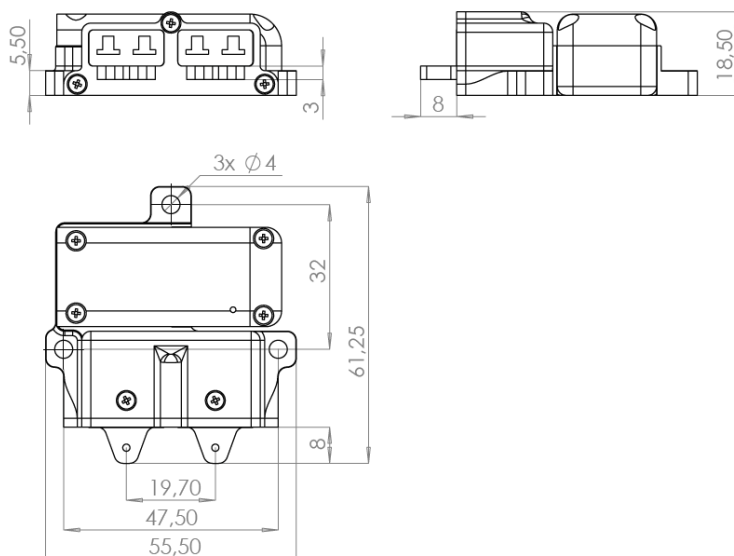
Sensor Readings		
Channel	...°C	...°C
1	...°C	...°C
2	...°C	...°C

Setup parameters		
RF channel jump sequence	0	-
System ID	0	-
Slave ID	1	-
Idle timeout without RF	1	minute
Idle timeout with RF	5	minute
Accelerometer idle threshold	494	mG
Accelerometer wake-up threshold	745	mG





Mechanical drawing



Available ranges

Type	Ordering code
K	K0+120
	K-40+150
	K-50+200
	K0+300
	K-100+400
	K0+800
	K0+900
	K0+1000
	K0+1250
	K-100+1300

Changing parameters

Must be setup according to Texense CAN protocol, or by using the tWist[®] software (texense Windows software tool) with the tSIB (texense Smart Interface Box).

N°	Parameter	Raw values	Comments	Default value
0x80	RF channel jump sequence	0 to 2		Default: 0
0x81	System ID	0 to 15		Default: 0
0x82	Slave ID	1 to 22		Default: 1
0x83	Not used	-	-	-
0x84	Idle timeout without RF ⁽¹⁾	1 to 10	1 minute/bit	Default: 1
0x85	Idle timeout with RF ⁽¹⁾	1 to 30	1 minute/bit	Default: 5
0x86	Accelerometer idle threshold	0x00 to 0xFF	7.84mG/bit	Default: 0x3F (494mG)
0x87	Accelerometer wake-up threshold	0x00 to 0xFF	7.84mG/bit	Default: 0x5F (745mG)
0x88	Temperature unit	0	Fahrenheit	
		1	Celsius	Default

(1) Take care to have: Idle timeout with RF $\geq$ Idle timeout without RF

For complete information, contact us at info@texense.com

Ordering information

Ordering ref:

THN2xWS4 – Type/Range – Color Standard

K0+120: K type 0°C to +120°C

K-40+150: K type -40°C to +150°C

...

K-100+1300: K type -100°C to +1300°C

IEC: Green connector

ANSI: Yellow connector

ex: THN2xWS4-K0+120-IEC