

THN4xWS4	
THERMOCOUPLE 4 CHANNELS WIRELESS SLAVE FOR GenWM	
Ref: THN4xWS4-B-XXXX	
SN: UXXXXXXXX	Software version :VX.XX
PAIRED MASTER : SN	UXXXXXXXX

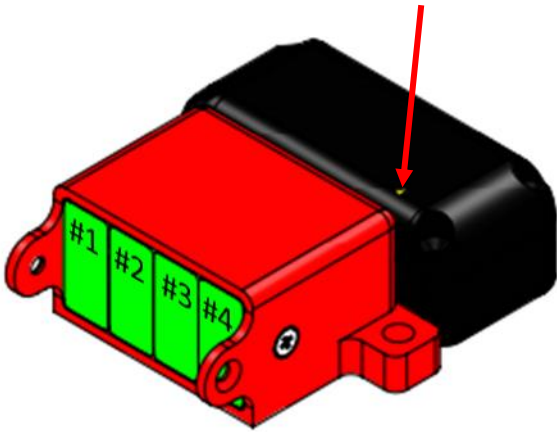
Texys sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

Sensor Readings		
Target	0 °c	200°C
1		
2		
3		
4		

Range	From -100 to 1250 °C	°C
type	K	
Accuracy	±1 °C for FS<400°C or 0.25%FS for FS>400°C	
Cold junction error	± 0.7	°C
Sampling frequency	10	Hz
RF Frequency Band	868 / 902 / 920	MHz
Receiver Sensitivity	-112	dBm
RF Emission Power	0 to 13 dBm (1 to 20mW) (Default setting 10dBm)	dBm
Battery Rating Voltage	3.6	V
Battery capacity @25°C	750	mAh
Average current consumption @25°C	Sleep mode : 5µA Idle mode : 130µA Run mode : 12mA @ 10Hz	
Calibrators	Fluke 714B or 753	
Dimension	24x62x107	mm
Material	PLASTIC+AU4G	
Weight (without cable & fiber)	80	g
Box protection	IP50	
Vibration test	20Gpp 5'	
Shock	500	G
Operating Temp	-20 to +85	°C
Storage Temp	-20 to +85	°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

LED indicator for Wireless status



Ordering ref:
THN4XWS4- B - RANGE

K200	K -50	200 °C
K400	K-100	400°C
K1250	K -50	1250°C

Ex: THN4xWS4-B-K200

Changing parameters

Must be setup according to Texense's CAN protocol, or by using the Texense Android Smart Tool (tAST®) with your android device. Contact us at info@texense.com

Sensor parameters:

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 to 10	1 minute/bit	Default : 1
0x85	Idle timeout with RF*	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

**Please take care to have Idle timeout with RF ≥ Idle timeout without RF*

Mechanical design

