

Temp & Hum + Door Contact (WTS-THD-xx-xx)

Wireless sensor with dual temperature and humidity sensor together with door contact sensor. A fixed dual temp/hum sensor with security sensor, or both sensors on a wire are available. Comes as standard with 5ft cable, with custom lengths can be ordered. Ideal for monitoring IT cabinets, refrigerators and secure storage. Monitor environmental conditions and detect when cabinets or doors are opened.

Log all data on a Wireless Tunnel™ Gateway, or AKCPro Server central monitoring platform. Receive alerts when parameters are outside of specified ranges or access is made. With the integration of ONVIF IP cameras video feeds are synchronized with these sensor events.



WTS-THD-xx-xx Technical Specification

Sensor Type	Temperature and Humidity Sensor Security Sensor (magnetic switch)
Status Indication	LED indication for - Mode - Status - RSSI
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.
Operating Environment	Temperature : Min. -35° C – Max.80° C Humidity: Min. 20% – Max. 80% (Non-Condensing)
LoRa (R) Radio Regional plans	- EU868 : 863~868Mhz, Max TX Power +14dBm, Duty Cycle 1% - US915: 903~915Mhz, Max TX Power +17dBm - AS923 : 920~925Mhz, Max TX Power +14dBm, Duty Cycle 1% - KR920 (Korea) : 922~923Mhz, Max TX Power +14dBm, Duty Cycle 1% - IL917 (Israel) : 915~917Mhz , Max TX Power +14dBm, Duty Cycle 1%
Certification	FCC Part15C, CE EN300220-2
Interface	Micro-USB port for powering, adding and upgrading to the Gateway base unit
Dimension	76x77x120mm
Mounting	Wall hanging, DIN rail, Pipe Clamp
Power source	4xAA batteries or via micro-USB port
Power Consumption	Average 12 mWatt, 10uA in Idle, up to 10 years battery life
Environment monitoring	
Temperature	
Measurement Range	-40°C to +75°C -40°F to +167°F
Measurement Resolution	0.1°C increments 0.2°F increments
Measurement Accuracy	Typical : * ±0.3 from -40°C to +75°C * ±0.4 from -40°F to +167°F Maximum : * ±0.4 at -40°C and ±0.4 at +75°C * ±0.7 at -40°F and ±0.7 at +167°F
Humidity	
Measurement range	0 to 100% Relative humidity
Resolution	1%RH increments, 0.01%RH sensor reading
Accuracy at	25°C ±2%RH
Security Sensor	1x Discrete magnetic switch input
Input	Switch type dry contact: open or close Dry contact counter

WTS-THD-xx-xx - Technical Drawing

