

Wireless Tunnel™ Switch Type Sensor Adapter (WTS-SW)

Use any AKCP Switch Type Sensor

This battery powered LoRa™ radio module enables you to plugin AKCP switch type sensors for monitoring over the Wireless Tunnel™ network. These sensor types should ideally be externally powered, as battery life will be shortened on these sensor types. The WTS-SW can be used with the any of the AKCP switch output type sensors.

Compatible Sensors

- Rope Water Sensor
- Vibration Sensor
- Motion Detection
- Smoke Detector
- AC Voltage Detector
- Security Sensor



Female RJ45

WTS-SW - Technical Specification

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
Dimension	76x77x120mm
Mounting	Wall hanging, DIN rail, Pipe Clamp
Power source	Via micro-USB port 4x AA batteries for backup power
Power Consumption	Average 12 mWatt, 10uA in Idle, without sensor connected
Environment monitoring	
Interface	Cat5 cable with female RJ45 connector, default 1ft long
Sensor supported	Smoke Detector Security Sensor Vibration Detection Sensor Water Detector or Rope Water Detector Motion Detector AC voltage Detector
Sensors	Sensor Status Edge counter
Gateway sensor count	5 (3 + 2)
Important Note	We do not recommend to use Smoke Detector, Water Detector/Rope Detector or Motion Detector without USB power in order to keep battery life

WTS-SW - Technical Drawing

