

Wireless Tunnel™ Modbus Adapter (WTS-MOD)

Wireless Modbus Extension

This battery powered Wireless Tunnel™ sensor interfaces with third party equipment via Modbus RS485. Collect data from Modbus devices such as generators, UPS and other industrial equipment and extend the Modbus device over long distance via Wireless Tunnel™ technology. Monitor and alarm through any AKCP Wireless Tunnel™ Gateway.

Sensor Features

- IP66 rated enclosure
- 5VDC or 12VDC power input



WTS-MOD - 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
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 :	Requires external micro-USB 5V power source Optional 12V input (custom order)
Environment monitoring	
Modbus RS485	Compliant with Modbus RTU RS485 client protocol (act as a Master) Supports register read only - 12 sensors for reading analog values [function 03 and 04] - 4 sensors for reading counter values up to 32 bits [function 03 and 04] - 4 sensors for reading discrete type values [function 01 and 02]
Gateway sensor count	23 (3 + 20)
Important Note:	The sensor is not intended to continuously work on battery

WTS-MOD - Technical Drawing

