



4 x Switch Input RF Transmitter

Features

- 4 x No-Volt Switch Inputs
- Real Time monitoring Switch status on Smartphone/PC anywhere with RIoT Hub
- Radio Transmitter FSK/FHSS LoRa
- LoRa Mode:
 - Up to **5Km** range line of sight
 - Up to **1Km** range in buildings
- FM Range upto **1Km**
- On Activation, Auto Send command to:
 - Local Switching RF Receiver
 - Android Smartphone via RIoT Hub
- Screw Terminal Connections
- LED TX Indication
- Power 2 x AAA Battery (supplied) or
- 5 - 15V External Supply
- Battery Life > 1 Million Transmissions
- Weatherproof IP68 Enclosure



Description

Supplied ready to deploy, this Sensor can be used to monitor upto four no-volt switches. Whenever a switch input is operated (opened or closed) an RF Signal is sent. Used in conjunction with a RIoT hub the switch status is transferred over the internet to user(s) Smartphone / PC via the internet anywhere in the world. Trigger notifications can also directly activate a local RF Receiver unit (which provides switching relay contacts), and alert notification sent to an Android smartphone.

Ordering Information

Part Number	Description
SENW-SWT-8T4	4 Channel transmitter 868MHz

RloT 4 x Switch RF Sensor Transmitter



Application example



Technical Specification:

Dimensions 92 x 92 x 59mm
Operating Temperature: -20 to +54°C (limited by battery)

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage				
Battery		3.00		V
External Supply	5		15	
Operating Frequency		869.500		MHz
RF Output power ERP			+22	dBm
Supply Current Asleep (between readings)				
Battery		1		uA
External Supply		70		
Supply Current Whilst Transmitting		118		mA
RF Packet TX Transmit operation:				
FM Mode		20		mSecs
LoRa Mode 7		1.28		Secs

Battery Life (Estimated)

Depends on several factors;

- The time interval between RF Transmissions
- FM / FHSS LoRa Mode 1-7
- The ambient Temperature

*Battery life calculations are theoretical, actual battery life may vary

Operations	FSK	FHSS (LoRa)7
1 per Min	8 months	1 month
2 per Hour	19 years*	4 months
1 per Hour	39 years*	1 year

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