

## TWS-1920

### Wireless Sounder and Beacon

The TWS-1920 can function as a sounder, beacon, or both simultaneously, depending on project requirements. It operates with 4 x CR123A batteries and communicates entirely wirelessly with the wireless coordinator. It offers 3 adjustable sound levels and beacon modes.

#### General Features

- TLPWAN low power consumption, two-way safe and stable wireless communication protocol
- Adaptive power management algorithm for ultra-low power
- Standard, low-cost lithium battery
- Low battery and tamper warning
- Selectable ping time for optimizing battery lifetime
- Up to 8 years battery life
- 3 different sound levels, 24 different sound tones
- 3 different beacon modes
- EN54-23, EN54-3, EN54-25 certified



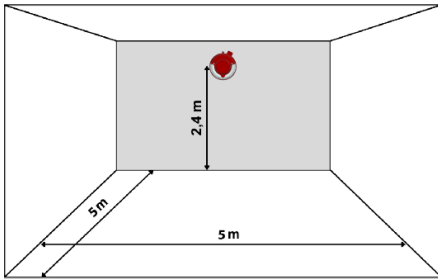
EN54-3

EN54-23

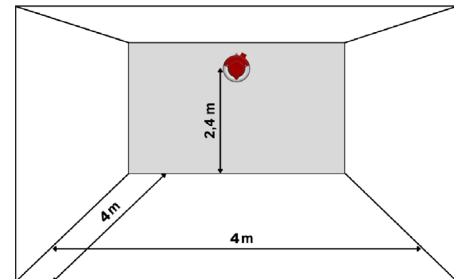
EN54-25

#### Technical Specifications

	TWS-1920
Communication Distance	Up to 1250 m (open air)
Operating Frequency	868 MHz
Operating Frequency Channels	10
Radiated Power	Max. 14 dBm (25 mW)
Battery	4xCR123A
Battery Life*	Up to 8 years (Min. 3s - Max 120s Adjustable Ping Time)
Usage Area	Internal use in building / Type A device
Operating Temperature Range	-10°C ~ +55°C
Humidity	@ +40°C between 0% and 95%
Sound Level	80 dB±5 dB / 85 dB±5 dB / 90 dB±5 dB (@1 meter)
Number of Siren Tones	24 tone (Default tone : Nr1)
Level of Siren Tones	3 (Low / Medium / High)
Flash Mode	3 (Slow, Normal, Fast)
IP Class	IP21C
Size (mm)	Ø:106,6mm, h:69,5mm
Material	UL94 V-0 flame-retardant material (Red, Transparent)
Weight (incl. base )	285 gr / 220 gr (Batteries not included)
Leds	Wide Angle 16 pcs Bright LED (White) Notification Led (Green) / flashes in 20sec periods
Piezo	Piezo with leakproof seal



Beacon Mode



Beacon Type

Category

Beacon Mode	Beacon Type	Category
Slow	Slow mod 0.5 Hz pwm signal(%4 duty)	W-2,4-4
Normal	Normal mod 0.5 Hz pwm signal(%5 duty)	W-2,4-5
Fast	Fast mod 1 Hz pwm signal(%8 duty)	W-2,4-4