

FBXWAS06: Wireless long range patrolling siren

Technical specification



Precautions and mounting locations:

- Mounted on the top of door / wall / bed
- For indoor purpose use only
- Keep away from metallic enclosures
- Do not connect the battery in opposite direction

Wall mount calling unit:

Receiver enclosure type: IP55 (mettalic box covering), internal box IP65 (ABS platic)
Metallic enclosure dimension: 300 x 300 x 170 mm, weight: 2500 gms
Remote controller size: 135 x 65 x 23 mm
Remote controller weight: 130 gms

Range of communication:

2 to 4 Kilometers (in urban area)
Up to 6 Kilometers (with clear line of sight to the receiver and height above 20 feet above ground level)

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Model FBXWAS06

Wireless long range patrolling siren set

The set contains:

- Long range remote control battery operated
- Receiver siren with loud noise and revolving light

Features:

- Press YELLOW CALL button to send alert signals
This turns on the 118 decibel siren and revolving light
- Press RED ATTENDED button stops siren and light glow

(The button colors and writings may vary, subject to installation location requirement)

Technical details:

+28dBm (100mW) constant RF output

+14dbm high efficiency PA for the transmitter

168 dbm is the maximum link budget

Siren loudness: + 118 decibels

Operating voltage of the transmitter: 12VDC

Operating temperature: 25 °C

Operating frequency: 380-480MHz

CRC on data payload: Enabled

Packet Error Rate: PER (1%)

Redundancy packet feature: Enabled

fOsc = 32MHz

Radio IC used CC1100 (from Texas Instruments) [Sub-GHz frequency]

Operating voltage:

12 Volt DC battery (at the bottom)

Battery model: 23A

Battery life: 2-3 years

Battery type: Alkaline (dry)

Battery replaceable: Yes

Battery rechargeable: No

Signal transmissions:

Make sure to press a button for at least 2-3 seconds for reliable transmission. This increases the range of communication

Application and features:

- Panic alarm systems
- Motor pump controller ON/OFF systems
- Gate opener, lights on/off, machine start/stop
- Patrolling applications
- Railway track maintenance sirens
- Factory alarms