

FBXS07: Wireless RF siren (hooter) for long range

Technical specification



Model: FBXS07

Long range wireless RF receiver siren alarm hooter

Features:

- 130db loud siren (hooter)
- Hooter: motor propelled mechanism
- Motor speed 6000 rpm (1/3HP motor)
- RF signal reception from transmitter 2-3Km away
- Siren audible range: 1.5-2Kms (at night)
- Compatible with high power transmitters FBX7xx series

Technical details:

- Siren operating voltage: 220VAC/50Hz (1/3 HP motor)
- Operating frequency: 380 – 480 MHz
- Receiver operates works on signal hop mechanism. Reception happens at more than 12-15 predefined frequencies
- Modulation type: GFSK
- Radio IC: CC1100 (Chipcon/TI) and other equivalents in sub-GHz freq.
- Receiver sensitivity: – 112 dbm
- Modulation: GFSK
- Data packet error correction mechanism: FEC
- 1m wire / rubber duck antenna (+3dbi)

Operating voltage:

Siren operates at: 220VAC/50Hz

Receiver unit operates at: 12Volt DC

110-220VAC/50-60Hz to 12Volt DC converter adapter supplied

RF configurations:

- Radio receiver indicators:
 - 1 RED light in the front (to indicate hooter status)
 - 1 indicator BLUE SYNC light to check signal reception
- Starts siren (hooter) on press of panic alarm button
- Stops the indicator on release of panic alarm button

Precautions and mounting locations:

- Mounted on the top of door / pole or on wall
- Mounting it at an height of 12-18 feet above the ground is mandatory. This improves the range and performance
- Unfold the antenna wire and mount the stub upright (pointing to the sky)
- Receiver unit should be away from any obstruction concrete / trees / poles etc. for a distance of at least 300 meters
- Hooter siren audible range is higher towards the front side
- If directly hit by lightening and thunderstorm, the system will permanently damage

Wall mount calling unit:

Outside body: metal enclosure

Metallic enclosure dimension: 300x300x170 mm

Receiver enclosure type: IP 65 (color grey)

Weight: 3500 gms

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Application and features:

- Alerts building security or maintenance staff in case of emergency from anywhere inside the building
- Other applications include security rooms / guard rooms / office / public places / guest houses / hotel suites / army guard post / battalion security room / factory security etc.