FBXMS01   FBXS01B   FBX521

Human presence detected

Motion sensor transmitter

Siren receiver

3-4m   20-30m

Turn On the motion sensor transmitter and siren receiver

Trun off the motion sensor transmitter and siren receiver

Turn ON the siren receiver ONLY indepedent of the motion sensor transmitter

Wireless remote

FORBIX SEMICON

Motion sensors

Wireless motion sensor transmitter **1** direction
Model : FBXMS01

Wireless motion sensor transmitter **2** direction
Model : FBXMS02

Wireless motion sensor transmitter **3** direction
Model : FBXMS03

Model: FBXMS01,FBXMS02,FBXMS03

Motion sensor wireless transmitter

PIR (passive infra red) motion sensor with wireless transmitter (1-side detection, 2-side detection , 3-side detection)

- motion sensor wireless alarm will safeguard your home, office or shop. The basic system set rather, consists of motion sensors transmitters and sirens.
- Further additions units are GSM automatic dialers and remote controllers. As a result of human detection near the sensor, it sends RF signals to the siren. Consequently, the siren blow alerting neighbors about the intrusion. In addition, the GSM automatic dialer sends missed calls and SMS to phone numbers. However, the mobile phone numbers needs to fed a priori in the GSM automatic dialing machine.
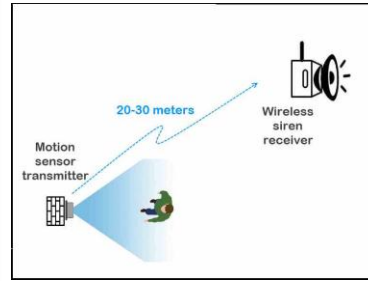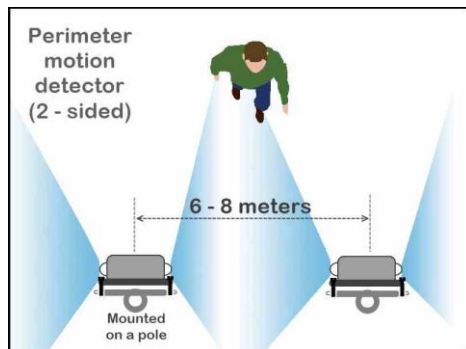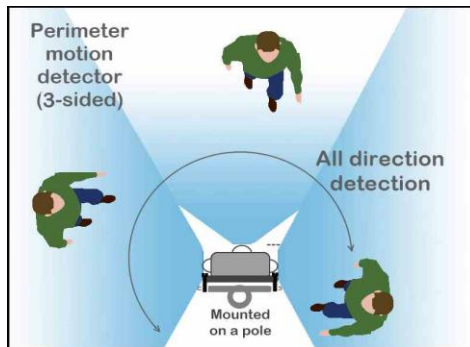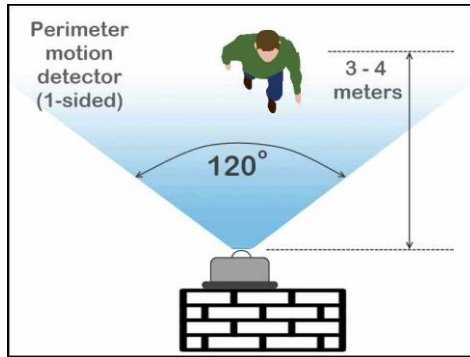
Types of motion sensors

. The motion sensors available in single direction, 2-direction and 3-direction detection types. This types of systems can detect human motion from probably any direction. And above, a wireless remote controller can activate or deactivate the whole mechanism.

Features:

- Detection of human motion within a distance of 2-3 meters
- More than one motion sensors at different locations, triggering a common siren unit
- Alarm siren located at a different location (may be 20-30 meters) away from the sensors
- Indicator unit to show which particular motion sensor has trigger
- Remote controller to activate and deactivate the complete security system

Operating voltage:

110-220VAC/50-60Hz to 12VDC converter adapter supplied.
Unit can also be plugged to any 12V external battery. Active working hours depends on the battery power.

Perimeter motion detector (1-sided)

3 - 4 meters

120°

Application picture

20-30 meters

Motion sensor transmitter

Wireless siren receiver

Perimeter motion detector (3-sided)

All direction detection

Mounted on a pole

Perimeter motion detector (2 - sided)

6 - 8 meters

Mounted on a pole

How to operate the motion sensor wireless alarms:

Step 1: Place the motion sensors at various different points in the house. Strategically choose the entry points. We usually suggest to mount the motion sensors on the ceilings.

Step 2: Keep the siren at a location in the house from where neighbors can hear. The siren sound is around 108db, that audible to around 100 meters in open area

Step 3: While you are the in the house, deactivate the whole security system. Pressing the CANCEL button on the remote controller deactivates the signaling. On the other hand, pressing the CALL button reactivates the system

The whole setup takes not more than 10-20 minutes of your time for installation. Installation needs mere placing or mounting the sensing units on the wall. It is also possible to keep the motion sensors on the table or chair or mantelpiece. Before leaving the house, make sure the security system is activated (using the remote)

Motion sensor wireless alarm range of detection and communication:

•Motion sensors can detect human activity within a range of 2-3 meters from the sensor bulb
•The angle of detection is around 120 degree
•The range of the communication from motion sensors to the siren is around 20-30 meters. All the motion sensors has inbuilt radio transmitters. The sirens and indicators have RF receivers
•The range of communication enhances by placing intermediate repeaters **in** the house. These repeater units can forward the signals from the motion detectors to the siren. More than one repeater is possible to use to over huge villas and bungalow houses

Model: FBXWAS01

wireless remote control alarm system

Features:
- 108db loud siren
- Siren has 3 indicator
- **GREE** :power on
- **RED** : siren ON/OFF state
- **BLUE** :SYNC light to check signal reception
- Volume can be adjustable by controlling knob

Technical details:
Operating frequency: 380 – 480 MHz
System works on signal hop mechanism. Reception happens at more than 12-15 predefined frequencies
Modulation type: GFSK
Radio IC: CC1100 (Chipcon/TI) and equivalents in sub-GHz freq.
Receiver sensitivity: – 112 dbm

Operating voltage:
110-220VAC/50-60Hz to 12VDC converter adapter supplied.
Unit can also be plugged to any 12V external battery. Active working hours depends on the battery power

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:
- Alerts building security or maintenance staff in case of emergency from anywhere inside the building
- Mounted on the top of door of hospital wards / office / patient rooms / guest house rooms / hotel suites etc.

Loud 108db siren sound when panic button is pressed

Range of communication:
- 20 – 30 meters indoors
- 100 – 120 meters outdoors (line of sight)

Precautions and mounting locations:
- Remotes mounted on the top of door / wall
- Easy mounting of remote jacket with 2 screws
- For indoor outdoor purpose use only
- Keep away from metallic enclosures
- Do not connect the battery in opposite direction
- Receiver unit can mount on the wall

wireless remote siren alarm system unit
Size: 150 x 90 x 55 mm
Weight: 450 gms