



## Knowledge Base

### Bed Sensor System with DSC Transmitter

ADC-BOS-BC23-DSC

Bed Occupancy Sensor 433MHz

DSC Compatible

#### Specifications

##### Mat

30 in. x 11 in. x 0.3 in. (L x W x D) Dark blue, water-resistant, antimicrobial nylon cloth RF-sealed with black, water-resistant, slip-resistant, polyester cloth

##### Cable

Gray, 18in, 26 AWG, 4 conductor sheathed, terminated with RJ9 connector

##### Electronic Enclosure

White, 3.5 in. x 2.5 in. x 0.8 in. ABS plastic

##### Electronic Signaling

Battery-powered filter circuit with integrated 433 MHz (crystal-controlled) DSC-compatible transmitter with 64 minute supervisory interval

##### Activation Weight

Minimum 50 lb. subject directly above mat

##### Sensing Interface

Filtered, normally open (i.e. when not occupied), momentary contact switch

##### Material Life

Typically 2 years



## Programming

- Use the Alarm.com AirFX *Add a Sensor* page or the panel interface to add the bed sensor to the account. Set the *New Sensor Information* as shown in the chart to the right.
  - For testing, the sensor can be tampered by pressing and holding the red button on the transmitter box for 5 seconds, until the red LED illuminates, and then releasing the button.
- After the sensor is added to the system, change the sensor type to **Occupancy** by doing the following:
  - From the *Equipment* page of the Dealer Website, click **Change** to the right of the sensor's name. Select the **Change Sensor Type** action, and update the new sensor type to **Occupancy**.

Sensor ID	Serial Number (ESN)
Zone Definition	26
Sensor Name	(Any)
Serial Number (ESN)	(Inside the battery compartment of the transmitter)

## Installation and testing

1. Locate the sensor within 100 feet of the base station.
2. Place the sensor on top of a mattress and below the sheets with the dark blue side facing up. The sensor should be positioned directly under the hip area when an individual is lying down. The sensor should be placed horizontally across the bed. It is recommended that the bed sensor is placed under a thin mattress pad to improve comfort.
3. Tuck the transmitter and any excess cable between the mattress and box spring.
4. To test the bed sensor, apply weight directly above the mat for several seconds and release. View the *Event History* page on the Dealer Website to confirm the sensor activity.

## Use

1. Lie flat on the bed with hips directly positioned on top of the mat.
2. Do not bend or fold the sensor.

## Care

1. Wipe down with moistened cloth (i.e. water and soap or mild disinfectant), and wipe dry.
2. Do not machine wash.

