

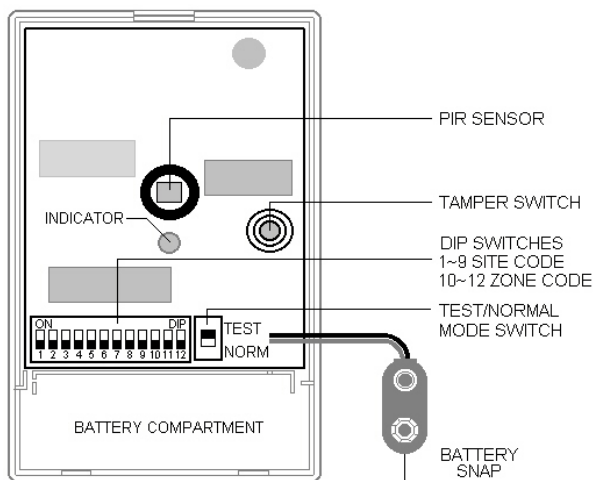
# ALARM-IR-02

## Wireless PIR Motion Detector

### INSTALLATION

1. Select your own SITE CODE (*Make sure it is identical to all detectors and remote controls*).
2. Select the ZONE CODE for this PIR Detector. (See ZONE CODE SWITCH SETTINGS)
3. Install one piece of 9V Alkaline battery.
4. Now the PIR Detector is ready to be fixed to a wall by using the wall mounting bracket provided. Tilt the PIR facing slightly downward toward open area of a room. (approx. 14 degree angle)
5. Select a location on a wall about 2 to 2.4 meters above the floor. We suggest that you mount the PIR Detector in a corner of a room. PIR Detector respond more effectively to movement across the device than to movement directly towards it.

### ILLUSTRATION OF THE PCB ASSEMBLY



1. **TEST/NORMAL MODE SWITCH**  
To select TEST or NORMAL mode.  
TEST : Used while testing the PIR detecting coverage. The red LED will light when activated.  
NORMAL: Also called power saving mode used for day to day operation. The red LED will not light when activated.
2. **SITE CODE DIP SWITCHES (1-9)**  
Designed for selecting your own Site Code.
3. **ZONE CODE DIP SWITCHES (10-12)**  
Designed for selecting the Zone Code so that each sensor has an individual transmitting factor for zone identity.
4. **PIR SENSOR**  
*Do not touch the PIR Sensor. Doing so will damage PIR function!*
5. **Pet-Immune Sticker**  
If you have a pet, place the included Pet-Immune Sticker on the lowest portion (layer) of the Fresnel Lens.

### SELECTING MOUNTING LOCATION

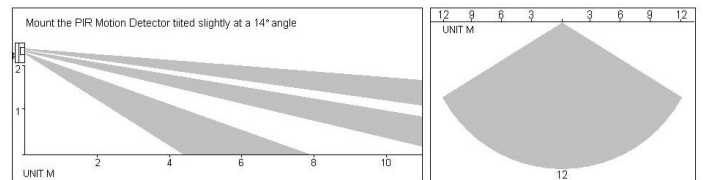
1. This PIR Detector is designed for INDOOR USE ONLY and should not face a window thereby exposing it to the outside changing environment.
2. Avoid aiming at heating or air-conditioning vents or ducts, exterior metal walls, exterior windows or curtains covering a window, refrigerators, freezer grills or other surfaces that can change temperature rapidly.
3. Do not mount the unit close to metal door frames or doors - **Doing so may reduce the transmitting range!**
4. Select a location where the PIR Detector can provide the best coverage. Ensure that you **DO NOT COVER AN AREA WITH 2 PIR DETECTORS** with coverage overlapped to avoid simultaneous transmissions back to the control panel. (activated at the same time)

### TESTING

1. Set the control panel in BATTERY CHANGE or ENGINEER TEST mode before testing the PIR Detector.
2. Set the TEST/NORMAL mode switch to TEST mode.
3. Allow 1 to 3 minutes for the PIR Detector to warm up after connecting the batteries.
4. Walk into the detecting range at intervals of one step per second across the PIR detecting beam, the control panel will emit chirp(s) corresponding to the zone number while the PIR is activated.

**IMPORTANT NOTE:** When set in TEST mode, the PIR Detector will detect movements every 3-5 seconds. While set in NORMAL mode, the PIR will rest for 4 minutes after each detection.

5. Check if the control panel emits chips corresponding to the set zone number when PIR Detector is activated. i.e. if set the PIR Detector to Zone 5 then control panel sounds 5 corresponding chirps.
6. In the event that the PIR Detector signal is not received by the control panel, check your Site Code & Zone Code switch settings and try to relocate the PIR Detector in a slightly different location.
7. After completion of the above PIR Detector WALK TEST, set the TEST/NORMAL MODE switch to NORMAL mode. Now the PIR Detector will function properly but the LED indicator will not light to avoid suspicion and save the battery power.



### ZONE CODE SWITCH SETTINGS

1. Change the Zone Code from the default to meet your own requirements.
2. Each sensor is suggested to have its own Zone Code as an identity. But unlimited numbers of detectors can be set up on each zone.

#### Zone Code switch settings for SolarGuard series

ZONE DIP SWITCH	ZONE 1 ENTRY/EXIT	ZONE 2 INSTANT	ZONE 3 INSTANT
10	ON	OFF	OFF
11	OFF	ON	OFF
12	OFF	OFF	ON
ZONE CODE SETTINGS			

#### Zone Code switch settings for Model 2100, 3400, 5850, 6450, 7450 & RD-03, GSM-03 series

ZONE DIP SWITCH	ZONE 1 ENTRY/EXIT	ZONE 2 INSTANT	ZONE 3 INSTANT	ZONE 4 INSTANT	ZONE 5 INSTANT	ZONE 6 24 HOUR
10	ON	OFF	ON	OFF	ON	OFF
11	OFF	ON	ON	OFF	OFF	ON
12	OFF	OFF	OFF	ON	ON	ON
ZONE CODE SETTINGS						

2100	3+1 Zone Alarm System	NOT available
3400	4+1 Zone Alarm System	NOT available
6450	4+1 Zone Alarm System	NOT available
7450	4+1 Zone Alarm System	NOT available
5850	6+1 Zone Alarm System	
RD-03	6+1 Zone Alarm System	
GSM-03	6+1 Zone Alarm System	