BX-80N/80NR is an advanced PIR detector which is designed to protect the immediate perimeter of the building. It is developed for the purpose of "EARLY WARNING" i.e. before an intruder breaks into the premises.
BX-80N/80NR enhances protection capabilities

When a general-purpose mechanical security system is installed, detectors are usually located inside a building. In order to increase the effectiveness of such a security system, Optex recommends not only securing the inside of the building but also adding protection to the outside areas.

By adding BX-80N/80NR, it detects intruders before entry. This invisible barrier offers the first line of defense to a property’s boundary.

- **Unique detection range for immediate perimeter of the building**
  Optex’s advanced PIR technology creates a narrow, 24m-long detection area that protects wide horizontal areas, such as a building’s perimeter.

- **Limited detection range function**
  The detection range of the BX-80N/80NR can be adjusted to avoid detecting unwanted objects.

- **Size judging function**
  The BX-80N/80NR only triggers alarms when both upper and lower detection layers detect movements.

- **Reduce false alarms caused by unwanted light and RFI sources**
  Patented Double Conductive Shielding Technology helps to reduce false alarms caused by car headlights and reflected sunlight in particular.

- **Advanced temperature compensation**
  The BX-80N/80NR uses advanced temperature compensation to automatically increase the detector’s sensitivity under high temperature conditions, especially where the background temperature ranges from 35 ~75 degree C, close to that of the human body.

- **Battery operated unit gives convenient & simple installation**
  - Save installation time and cost
    - The BX-80N/80NR is a battery operated model and therefore requires no complicated wiring. It saves installation time and cost.
  - Easily adds on to the existing wireless security system
    - The BX-80N/80NR with flexible features can be added on to any wireless system which has already been installed. In addition, this unit is effective with transmitters and receivers from all manufacturers.

- **Advanced battery lead aids shared battery power**
  - The BX-80N/80NR can be powered by battery of transmitter.
    - By using for the attached battery leads, the battery power from transmitter can be shared with BX-80N/80NR and also low battery signal can be monitored by control panel.