



Motion Detector

M800PIR

Passive Infrared (PIR) Detector

Operational Description

The M800PIR is a cutting edge technology passive infrared detector offering ease of installation, this PIR motion detector is perfect in any home, it features:

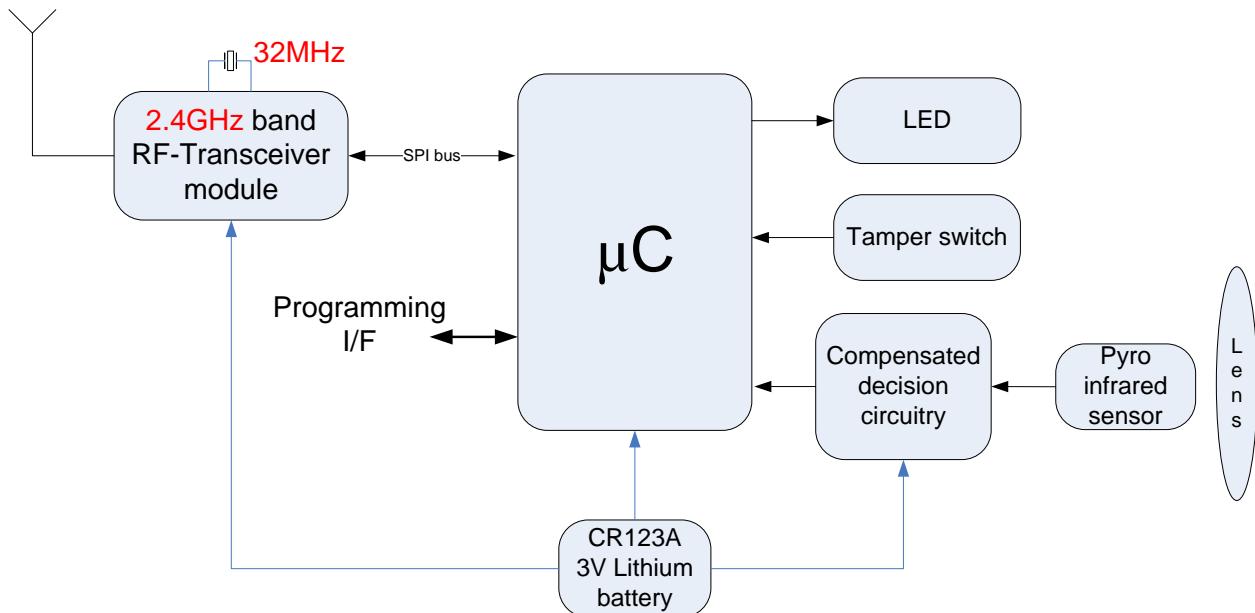
- Sealed optics - immune to light, insects - reducing false alarms
- Based on advanced proprietary technology
- Multi-zone spherical lens for exceptional detection coverage (120° horizontal, 105° vertical)
- Requires only two (2) AA-size alkaline batteries
- Red LED walk-through test mode (10 minutes)
- Pet immune lens
- With regards to communications:
 - Up to 500m RF range (open air)
 - ECOP bi-directional radio protocol
 - Modulation and Frequency: DSSS, 2.4 GHz
- With regards to Wireless Security:
 - 4G DragonFlyEye™ technology
 - Tamper Alarm – when the unit is tilted
 - Data Security: 128bit AES encryption
 - Unique electronic serial number
 - Supports automatic over-the-air software upgrade programming and configuration
 - Temperature compensation for the IR

Certifications and approvals:



For more information, go to: www.essence-grp.com/pages/WeR/Home

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Block Diagram Description

The CR123A single battery directly provides the power to the entire board.
 The main micro-controller gets data from PIR sensor and tamper switch.
 It interacts with the RF-transceiver chip.
 The product have a red indication LED.