

RadioShack® PIR Sensor

Introduction

This simple-to-use PIR Sensor lets your microprocessor or other device sense motion by detecting changes in the infrared levels emitted by surrounding objects.

Features

- Detecting range up to 29.5 ft (9 m)
- Built-in selectable trigger mode
- Three-pin SIP header, compatible with breadboards
- Easy interfacing with almost any controller or external circuit

Specifications

| Item | Condition | Minimum | Norm | Maximum | Unit |
|---------------------|-------------------------|---------|------|---------|-------------------|
| V _{CC} | — | 3.3 | — | 5 | Volts (V) |
| Current | V _{CC} = 3.3 V | — | — | 500 | Micro amps (μA) |
| | V _{CC} = 5 V | — | — | 800 | Micro amps (μA) |
| Working Wave Length | — | 7 | — | 14 | Micro meters (μm) |
| Detecting Angle | — | — | 120 | — | Degrees (°) |
| Detecting Range | — | — | — | 9 | Meters (m) |