

Motion Detection Control Circuit

Applications

Alarm systems, human body detection, automatic switches, consumer electronics

Standards

Pyroelectric infrared detector

Key Features

- Low power CMOS technology
- High impedance, low noise input amplifier
- Programmable timer via external potentiometer
- Single/dual pulse mode detection
- Retrigger function
- Output disable option
- On chip power voltage regulator

Key Specifications

- Maximum Operating Current: 0.5 mA (@ 12V)
- Power Supply Voltage Range: 5 to 15 V

Miscellaneous Information

The CI-3010 serves as detection electronic for use with passive infrared sensors. A pyroelectric infrared detector can be connected directly to the chip.

Functional Equivalents

None

Documentation and Support

Data Sheet: CI-3010

Application Note: CI-3010

Demo board on request

Ordering Information

CI-3010 P	16 pin DIP
CI-3010 T	16 pin SOIC