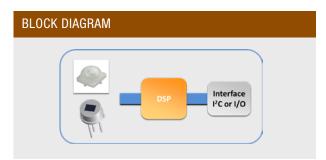


PIR-DETECTOR MODULE HT7M2XX6 - PIR SENSOR AND ELECTRONICS

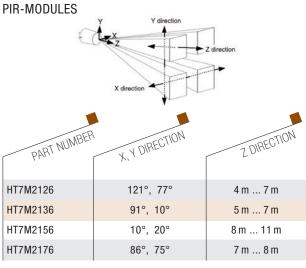


FEATURES

- » Operating voltage: 2.7V ~ 5.5V
- » Low power consumption: operating mode (Moving objects) < 1.5 mA, standby with detecting mode < 40 µA (3.3V)</p>
- » Intelligent signal recognition algorithm
- » Interfaces: I²C for Network Mode / I/O for Stand-alone Mode
- » Adjustable sensing sensitivity, Network Mode
- » Custom trigger modes: Single/Continuous, Network Mode
- » Adjustable trigger output time: 16-bit×100 ms, Network Mode
- » Low voltage detection: 2.0/2.2/2.4/2.7/3.0/3.3/3.6/ 4.0 V options, Network Mode
- » Supports external optical sensors, e. g. photo transistors
- » Integrated temperature sensor with temp. compensation



PRODUCTS



PIR-MCU

HT45F0027- OPAs 2K-word Flash Memory, Low Power & High Performance

HOLTEK's human body infrared detector modules,

the HT7M2xx6 series, come fully integrated with optical lenses, a passive infrared (PIR) sensor and DSP algorithms. These modules include a wide range of features such as low power consumption, an I2C communication interface and DSP algorithms which improve the reliability of the PIR detector. Their application range includes home security and surveillance systems as well as basic industrial safety detection.

WHY USE PIR SOLUTIONS

- » Can reliably detect passive infra red radiation
- » Reliable and inexpensive motion sensing solution
- » Excellent and reliable solution for detection of human, animal or other object presence and motion
- » Used in range of security products such as lighting and alarms
- » Complete range of Holtek devices for a wide range of PIR applications including MCU based solutions
- » Quick stabilisation: ready for stable operation within 12 seconds after power on

