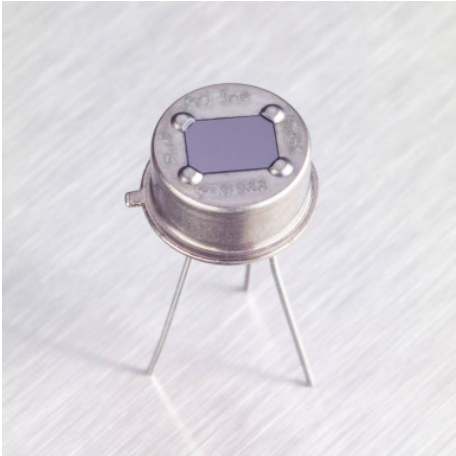


DigiPyro® PYD 1988

Dual Element Pyrodetector by PerkinElmer



The DigiPyro® PYD 1988, with its 4.60 x 3.4 mm² window size, provides you with a standard digital solution to motion detection.

Introduction

The DigiPyro® line is the first family of digital pyroelectric infrared detectors, brought to you from PerkinElmer. It combines the time-proven, ceramic dual element configuration with a fully integrated A/D converter. An internal clock and control unit enable the digital output pyrodetectors to open a dialog with any outside microprocessor without additional components. The DigiPyro line offers the benefits of a standard three-pin TO-5 housing.

The move from analog to digital technology enables the DigiPyro to deliver a number of advantages including space savings from fewer components and significantly improved EMI immunity. The DigiPyro family continues the high quality standard tradition that customers have come to rely upon with PerkinElmer's analog pyrodetectors. With the introduction of the DigiPyro family, PerkinElmer is making a fundamental step-change in motion detection.

Features and Benefits

- Digital Output Sensor
 - 15 Bit Output "direct link"
 - 3 Pin TO-5 Housing
- Dual Element Design
 - 2 x 1 mm² Elements
 - 1 mm Spacing
- Infrared Window
 - 5.5...14 μm Transmission
- Window Size 4.60 x 3.4mm²
- High level electrical performance
 - Low EMI Sensitivity
 - Unique Responsivity

Applications

- Intrusion Alarm Applications
- Motion Activated Light Switches
- Door Openers

