

# Pyroelectric Infrared Sensor (PL Series)

## Human motion detection for Security and Saving Energy

Pyroelectric Infrared Sensor using Pyroelectric effect of ceramic can detect even slight infrared energy from human body. By leveraging our proprietary technologies, we also propose new solutions such as detection through resin or glass and lens-less solutions, in addition to supporting lensed solutions.

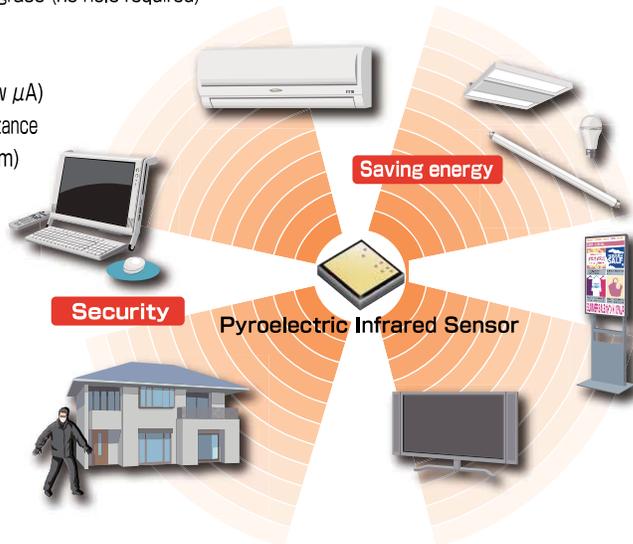
### Features(Bulk sensor)

- Lens-less also possible
- Capable of detecting through resin or glass (no hole required)
- SMD type (Reflow soldering)
- Wide field of view ( $\pm 60\text{deg}$ )
- Low current consumption driving (a few  $\mu\text{A}$ )
- Excellent high frequency electric wave resistance
- Compact & Low profile (5.0x4.8x1.7mm)

### Applications

Human detection and control  
its information control

- Air conditioner
- TV
- Touch panel
- Home appliance
- Security equipment
- Lighting equipment



### Lineup

	Detection distance (general guide)		
	~20cm	~2m	~5m
Bulk	<b>NEW</b> Sensor: PL-N823-01		<b>Under development</b> Sensor: PL-Q873-01 Lens : PL-001L-W/BL
Module	<b>Under development</b> SS-430		<b>Under development</b> SS-430L-W/BK
Notes	<b>【Cover material choices】</b> •High-density polyethylene •Glass •ABS	<b>【Limited cover material】</b> •High-density polyethylene	<b>【Cover material not needed】</b> •No cover necessary due to use of a flat lens



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- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.