



Excelitas Technologies Introduces PYD 1378, 1388 and 1398 Pyroelectric Analog Detectors

Enhanced Product Family Offers Outstanding Performance to Minimize False Alarms Caused by Electromagnetic Interference from Nearby Wireless Devices



The product image shown represents the range of products for illustration purposes.

WALTHAM, Mass., May 20, 2021 – [Excelitas Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, today unveiled its enhanced family of PYD 1378 Analog Detectors. The [PYD 1378, 1388 and 1398 Pyroelectric Detectors](#) are used for analog circuits in intrusion alarms and smart light control applications. They offer outstanding performance to suppress electromagnetic interference (EMI) and prevent the “false alarms” it can cause.

Proliferating use of wireless technology is making it necessary for a range of electronic devices to operate in close proximity with one another – without signal distortion caused by interference. As a result, there is increased demand for sensors that reduce EMI to avoid false triggering of connected controls.

The Excelitas PYD 1378, 1388 and 1399 Pyroelectric Analog Detectors are dual element detectors based on pyro-ceramics, connected in serial opposed format. Excellent EMI immunity is achieved through an optimized PCB layout and GND connections, in combination with integral filtering circuits.

“Wireless communication technologies and electronics today must be designed to coexist,” said Fred Plotz, Product Manager, IR Sensing at Excelitas. “As more smart devices, including motion-activated lighting and security alarms are deployed, tighter engineering specifications are needed to keep all the devices working without interference. The new PYD 1378 series of pyroelectric analog detectors offers a much-needed solution.”

Available in standard or customized versions, the new analog sensors are a top-of-the-line family of products for these applications. For additional information about the PYD 1378, 1388 and 1398 Pyroelectric Detectors, visit: <https://www.excelitas.com/product-category/pyroelectric-ir-detectors-and-sensors>.

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About Excelitas Technologies

Excelitas Technologies® Corp. is a photonics technology leader focused on delivering innovative, high-performance, market-driven solutions to meet the lighting, optronics, detection and optical technology needs of our OEM customers. Serving a vast array of applications across biomedical, scientific, safety, security, consumer products, semiconductor, industrial manufacturing, defense and aerospace sectors, Excelitas



stands committed to enabling our customers' success in their end-markets. Our photonics team consists of 7,000 professionals working across North America, Europe and Asia, to serve customers worldwide. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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