



## IoPhic® & The University of Maryland Study

A recent study from the University of Maryland's School of Fire Protection Engineering\* investigated the nuisance alarm immunity of the new IoPhic technology. The study results confirmed that the new IoPhic line of smoke and fire alarms using smart technology from Universal Security Instruments are more resistant to most nuisance alarms.



### Study Details:

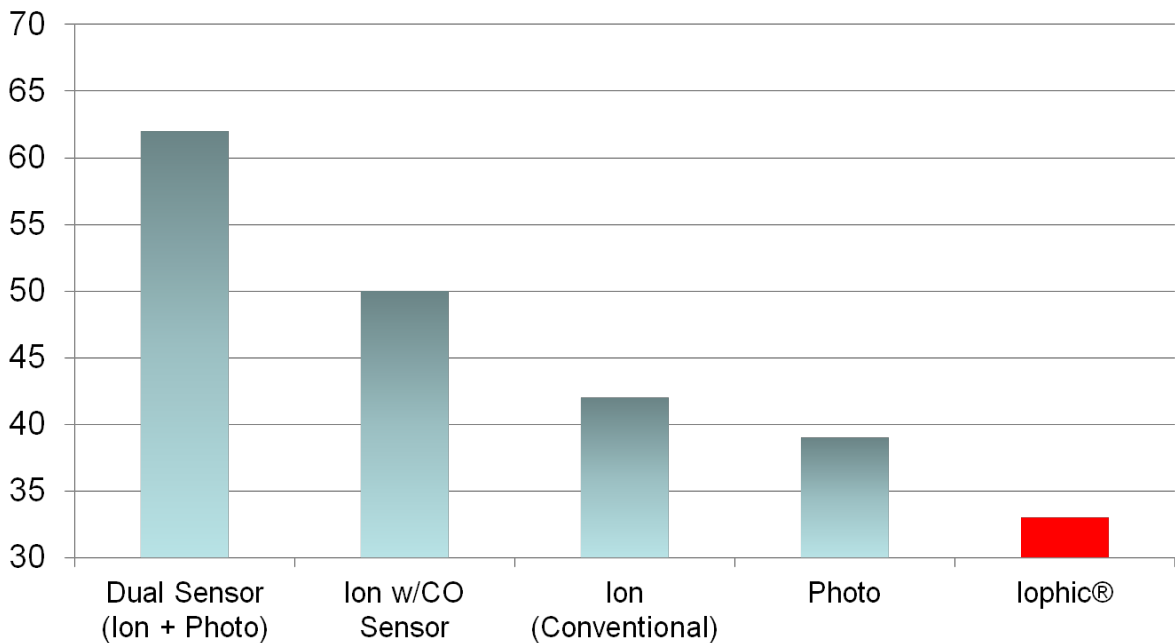
- A total of ten different smoke alarm models were used to cover the range of alarm technologies, and in order to avoid individual unit defects, alarm units were randomly selected from lots of 24 units from several major smoke alarm manufacturers.
- IoPhic smoke and fire alarm virtually eliminates nuisance alarms with patent-pending Universal Smoke Sensing Technology™. Based on the results of this test series, IoPhic smoke and fire alarms are observed to have nominally equivalent nuisance alarm immunity to photoelectric smoke alarms in kitchen scenarios, and are more resistant to nuisance sources near bathrooms than photoelectric smoke alarms.
- The Department of Fire Protection Engineering at The University of Maryland focuses on recent advances in material testing practices, fire detection, performance-based design and modeling techniques to predict fire growth, smoke movement or the response of building systems in design and fire investigation applications.
- More than 1,100 graduates from the Department are now employed in industry, insurance companies, Federal, state or local government, military, and fire service.
- Founded in 1859, The University of Maryland (UMD) is a public research university located in the city of College Park in Prince George's County, Maryland.

\*The study was completed by the Department of Fire Protection Engineering at the University of Maryland (UMD) with the sponsorship of the Maryland Industrial Partnerships (MIPS) and Universal Security Instruments.



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 = **Lowest % of Nuisance Activations\***



\*Feng JT, Milke JA, *Dept. of Fire Protection Engineering*, University of Maryland, Jan 2012

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