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Johnson Controls presents enhanced range of fire alarm devices

Johnson Controls has introduced an innovative range of sounders, Visual Alarm Devices (VADs) and Visual Indicating Devices (VIDs), helping to improve performance of fire detection systems and ensure evacuation responses occur quickly during a real fire event.

Specialists at Johnson Controls have used independent research into light patterns and their effect on triggering human reactions, to improve the design and functionality of the new range of VIDS and VADS. The research from the BRE shows that LED light output with a pulse width lower than 20 milliseconds is more effective at alerting people because of the light frequency. Engineers at Johnson Controls have adopted these findings, to ensure the visual alarm devices in our new range flash at a pulse width, which is always less than 20 milliseconds when activated.

The devices use a new and highly sophisticated self-testing technology, developed by Johnson Controls to assess real light and sound output. This enables facility managers to test and maintain the devices much faster than before. During a test, the device's real light and sound output levels are checked in a fraction of second per device and recorded. Data on their output

levels is sent back to the fire control panel to highlight if devices are not functioning as required, making it simpler and quicker to see if any need replacing.

Once installed, facilities managers can use the device's Reflective Sound Monitoring (RSM) and Reflective Light Monitoring (RLM) features, to perform a full test of sounders, VID and VAD devices. This remarkable self-testing means the device's output can be tested without causing disruption to occupants and reducing desensitization of a genuine activation.

The low current consumption of this new range is also a great advantage to systems designers as it means that more sounders, VIDS and VADs can be accommodated on a single loop. This, combined with the higher loop capacity benefits ZETTLER's® new fire control panel range, PROFILE Flexible, means that designers can place more sounders, visual alarm devices and detectors on a single loop without wasting or running out of loop power.

Peter Hauser, Senior Global Product Manager from Johnson Controls said: "With the new EN54-23 standards it is increasingly important for installers and consultants to consider the requirements of VADs in complete fire detection solutions. These devices play a crucial role in alerting people and evacuating them safely in the case of a fire. Within our new range we have enhanced the capability of these devices above and beyond the requirements of recognized standards. Our products are supported by a complete range of design, commissioning and installation guidance, as well as the knowledge and experience of our fire detection experts to help customers select the most effective and compliant solution to meet their specific needs."

To find out more about ZETTLER's improved range of VIDs and VADs, visit <http://www.zettlerfire.com/Products/Fire/ZettlerAddressableSoundersBeacons.asp>

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About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next-generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat. We are committed to helping our customers win and creating greater value for all of our stakeholders through strategic focus on our buildings and energy growth platforms. For additional information, please visit www.johnsoncontrols.com or follow us @johnsoncontrols on Twitter.

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Johnson Controls' Building Technologies & Solutions is making the world safer, smarter and more sustainable – one building at a time. Our technology portfolio integrates every aspect of a building – whether security systems, energy management, fire suppression or HVACR – to ensure that we exceed customer expectations. We operate in more than 150 countries through our unmatched network of branches and distribution channels, helping building owners, operators, engineers and contractors enhance the full lifecycle of any facility. Our arsenal of brands includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Ruskin®, Titus®, Frick®, PENN®, Sabroe®, Simplex® and Grinnell®. For more information, visit www.johnsoncontrols.com or follow @JCI_Buildings on Twitter.

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