PRESS RELEASE

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**E2S launches its new H1 range of rate-compensated heat detectors for hazardous areas**

E2S Warning Signals has introduced the new [H1 range of heat detectors](https://www.e2s.com/products/hazardous-area/type/detectors). Globally approved to UL, cUL, IECEx and ATEX standards with explosion proof, flameproof, increased safety and intrinsically safe protection, the H1 range is available as part of the D1x and D2x families with marine grade, copper free LM6 aluminum termination enclosures, in the STEx family with 316L stainless steel enclosures and the GNEx with GRP enclosures. The H1 range contains Ex db flameproof, Ex db eb increased safety and Ex ia intrinsically safe variants approved for use in Zone 0, 1, 2, 21, 22 and Class I/II Division 1 and Division 2. They are UL521 and CAN/ULC-S530 approved and SIL2 compliant to IEC61508 (2010).

The robust E2S termination enclosures are combined with heat detector elements as an complete approved assembly to create a fully certified solution for heat detection in hazardous areas. Primarily used for signaling overheat or fire conditions, the highly reliable and robust H1 range provides the initial heat sensing in automatic fire and gas detection and suppression systems.

Incorporating industry standard Detect-A-Fire® (D-A-F) rate compensated heat detector elements that feature stainless steel housings and hermetically sealed contacts the H1 range is available in a wide range of operating temperatures. All versions feature IP66/67, Type 4/4X/13/3R sealing for the harshest of environments and an optional protective guard for the element. Selected variants can be specified with an LED to indicate an alarm condition and a wide range of addressable modules can be factory installed. Full details of the advantages of the E2S H1 rate compensated detectors can be found on the [E2S website](https://www.e2s.com/products/hazardous-area/type/detectors) and the advantages over traditional fixed or rate-of-rise detectors can be found in the associated [Technical Bulletin](https://www.e2s.com/system/1/product_assets/assets/000/015/745/15745/17d941e01/original/Technical_Bulletin_H1.pdf).

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**Notes to Editors.**

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E2S is the world’s leading independent signaling manufacturer. Based in West London, England the company designs and manufactures a comprehensive range of signaling products for industrial, marine and hazardous area environments. E2S products are available globally via their distribution network, details of distributors are available on the company’s website. Additionally, E2S has a dedicated distribution hub in Houston, Texas for local product distribution and technical support.

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