PRESS RELEASE

Released 09 October 2024

To download a 300dpi print quality image, go to [parkfield.co.uk/e2s/h1-print.jpg](https://www.parkfield.co.uk/e2s/h1-print.jpg)

To download a Word file of the text, go to [parkfield.co.uk/e2s/h1-gb.docx](https://www.parkfield.co.uk/e2s/h1-gb.docx)

To view all E2S press information, go to [parkfield.co.uk/e2s/](https://www.parkfield.co.uk/e2s/)

**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 aluminium 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 signalling 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).

\*\*\* Ends: body copy 284 words \*\*\*

**Notes to Editors.**

For all follow-up enquiries, please contact:

Nigel May

Parkfield Communications Limited

Parkfield House

Damerham

SP6 3HQ

Great Britain

Tel: + 44 (0)1725 518321

nigel.may@parkfield.co.uk

[parkfield.co.uk](http://www.parkfield.co.uk)

E2S is the world’s leading independent signalling manufacturer. Based in West London, England the company designs and manufactures a comprehensive range of signalling 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.

E2S Warning Signals

Impress House

Mansell Road

London

W3 7QH

Great Britain

Tel: + 44 (0)20 8743 8880

Fax: + 44 (0)20 8740 4200

sales@e2s.com

[e2s.com](http://www.e2s.com)