

The Fireray One

The beam smoke detector that aligns itself



With no specialist tools or knowledge needed for installation and operation, the Fireray One is a standalone beam detector that prioritises ease of installation.

FFE is an independent manufacturer of beam smoke detectors based in the UK. For over two decades, FFE has pioneered beam detection technology to address common performance issues with traditional beam detectors, such as nuisance alarms due to sunlight, building movement, reflective surfaces and user misalignment. Furthermore, FFE's UK based design team, through listening to user feedback over the years, have been perfecting user features to ensure that Fireray beam detectors provide the best long-term value for installers as well as building owners. Over half a million Fireray beam detectors have been installed worldwide, protecting many of the world's most prestigious buildings including

Buckingham Palace and Dubai Airport.

The new Fireray One is a beam detector that keeps simplicity at the forefront of design. Considering that beam detectors are often only a small part of the overall fire system, FFE recognises that fire professionals need a simple beam detector that is accessible to anyone, from experts to generalists, system designers to field engineers, while ensuring that the beam detector is going to perform perfectly in a variety of environments. To achieve such simplicity for the end-user, a lot of hard engineering work has been put in by the FFE team to instil FFE's expert knowledge in beam smoke detection into the Fireray One detector itself. The Fireray One is a standalone reflective beam detector with an integrated laser for visible alignment, and a built-in auto-alignment protocol that aligns and centres the invisible beam onto the reflector in just one minute, at the flick of a switch. These features ensure that anyone can align a beam detector perfectly, because the experience and expert knowledge of

beam detection has been engineered into the product! The Fireray One's one-minute auto-alignment feature not only saves time during installation, the quality of alignment is also guaranteed by the automation protocol. Using the Fireray One, a high level of protection is always achieved.

For ease of design, the Fireray One can be installed in places that could be exposed to sunlight such as skylights and glass atriums thanks to FFE's patented Light Cancellation Technology™. An extended detection range of 5m to 120m allows installation of beam detectors into both large and small spaces. Its white minimalistic look fits well into modern architecture.

The FFE design team has also simplified the servicing aspect to achieve value for the end-user throughout the product lifetime. The Fireray One contains Building Movement Tracking™ that maintains its own alignment once installed. Its optics are fully enclosed in an IP-rated casing with a flat surface for easy cleaning without affecting alignment. An integrated user-interface at the front of the product allows realignment and programming without having to dismount the detector.

The Fireray One is available as a conventional detector, and can be interfaced with any addressable fire system via an interface module. Customised addressable versions can be developed in collaboration with interested fire system manufacturers.

The Fireray One will be exhibited on the FFE stand no. 4-D32 at INTERSEC, 21st-23rd January 2018, Dubai International Convention and Exhibition Centre. Come and speak directly to the FFE team, experience One Minute Auto-Alignment for yourself and for the chance to take home £10,000 in their competition!

▼ The Fireray One protecting a warehouse application.



Image courtesy of FFE UK

 For more information, go to www.ffeuk.com/firerayone