

# Fireray® 3000

## End-to-End Infra-red Optical Beam Smoke Detector



The Fireray® 3000 is our solution to the most technical and challenging of installation environments. The system uses a paired set of transmitter/receiver heads to cover the protected area. The unit emits a narrow beam of infra-red (IR) light in order to monitor for smoke and is controlled using a compact low level controller. Both detector heads (transmitter and receiver) have integral thumbwheels for ease of alignment. Using these thumbwheels provides a smooth and repeatable alignment process.

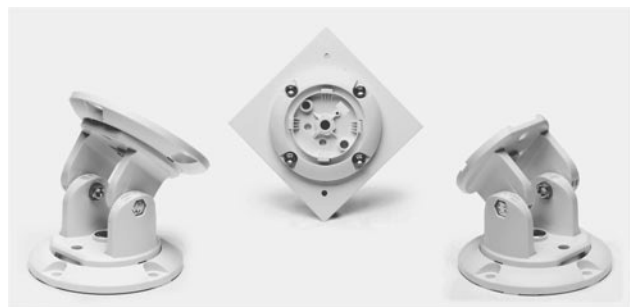
This model has been designed so that it can be installed by a single operator. It also incorporates a visible laser as an alignment aid, with alignment LEDs offering a visual feedback.

The system is fully customisable, with both the alarm thresholds (sensitivity) and delay to Alarm/Fault being controlled from the low level controller. This controller incorporates a LCD display, which offers a full icon-based, easy-to-use interface unit.

This controller enables ease of commissioning, testing and maintenance of the beam detection system.

### Features

- Range 5 to 120 metres, configurable per set of Detectors
- Sunlight rejection cancels unwanted light.
- Integral laser alignment in receiver
- 2-wire interface between controller and receiver
- Single and twin detector options
- Separate fire and fault relays per detector
- Low level controller with LCD display
- Programmable sensitivity and fire threshold
- Automatic gain control (AGC) for drift compensation
- First-Fix design for transmitter, receiver and controller
- Multiple cable gland knockouts for ease of wiring
- Optional transmitter powering from controller
- Working optical path for detector alignment



Fireray® 3000 Accessories