

Engineering Specification for FIRERAY 3000 Multi Head Optical Beam Smoke Detector

The end-to-end Optical Beam Smoke Detector system shall be compliant with EN54:12 and the CPR, or listed to UL 268, and shall consist of up to two transmitters with two receivers connected to a single low-level remote-control unit with LCD display for set-up, reporting and testing in accordance with UL and FM requirements. The control unit shall be password protected.

The beam system shall operate between a range of 5m to 120m (16.5ft to 396 ft.).

The receiver shall have an integral laser pointer to assist in optimum alignment.

The beam system shall feature automatic gain control (AGC), which will compensate for gradual signal deterioration from dirt accumulation on the lenses.

The beam system shall be capable of sending separate fault and fire signals for each set of detector heads, shall be capable of programming alarm thresholds of 10% to 60% in 1% increments and shall be capable of programming 'delay to fault' and 'delay to alarm' from 2 seconds to 30 seconds, in 1 second increments.

The beam system shall also include the feature for powering the transmitter directly from the low-level control unit.

A full range of installation accessories shall be available for flexibility during installation. The End-to-End Projected beam type smoke detector shall be a Fireray 3000.

