



APPROVED

Certificate of Compliance

FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

Firearay 5000 Reflective Beam Detector

Approval Guide Listing: Category: FIRE PROTECTION – ELECTRICAL SIGNALING, ALARM SIGNAL INITIATING DEVICES, FIRE DETECTION, SMOKE ACTUATED

Firearay 5000 Reflective Beam Detector

Beam Type Smoke Detector Model Firearay 5000. Consists of a detector (transmitter/receiver) in one unit aimed at a reflector and connected to a system controller. The system controller operates at 14 to 28 V dc. 10 mA (Low Current Mode) or 50 mA (High Current Mode). The detector must be connected to an FM Approved 4-wire control providing separate circuits for power and alarm signaling. The detector threshold sensitivity (the alarm level) is field selectable at 10% to 60% total beam obscuration. Suitable for indoor use where ambient temperatures are between -22°F and 131°F (-30°C to 55°C). The beam length can be from 27 to 330 ft (8 to 100 m). Alarm and trouble relay contacts are rated 1.0 A at 30 Vdc.

Approved for:

Fire Fighting Enterprises Ltd.
9 Hunting Gate
Hitchin, Hertfordshire, SG4 0TJ, United Kingdom

This certifies that the equipment described has been found to comply with the applicable requirements of the following FM Approval Standards and other documents:

Approval Standards
Class Number 3230-3250 Date 1976

Other Standards
Organization, Designation
ANSI/NFPA 72 Date 2002
ANSI/UL 268 5th Ed. (Para. 39-40, Fire/Smoldering Tests) 2006

Original Project Identification: 3037125

Approval Granted: June 7, 2010

Subsequent Revisions: This certificate reflects the present Approval of the product as described in the original Approval Project and the following subsequent report:

FM Approvals

James Marquedant
Group Manager, Electrical

June 7, 2010
Date



Member of the FM Global Group

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