

**NO EXCUSES!**

# FE-5000

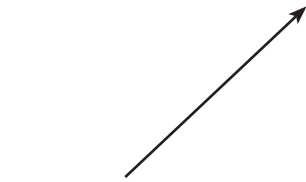
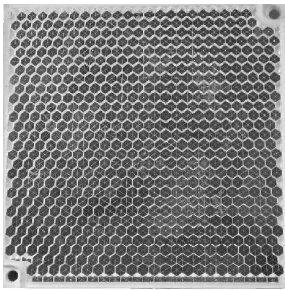
## GY'Z!5`][b]b[ 'FYÚYWh] jY' 6YU a



The Fireray 5000 System is an auto-aligning infrared beam smoke detector. Once the detector head is installed, using the ^æ•^, cÁ { [ ~ } cá } \*Á•^•c^ { ÉÁæ } Áä } c^\*!æ|ŠŒÛÖÜÁ&æ } Áà^Áæ&cäçæc^äÉÁ V@ä•Áæ|| [ , •Ác@^Á!^ ^&cäç^Á ] !ä• { Ác [ Áà^Á ] [ &æc^äÁ ~ ä&\|^Áæ } äÁ , äc@Á& [ ] , ä^ } &^ÉÁV@^ÁŒ~cU ] cá { ä•^!Áà^æ { Áæ|ä\* } { ^ } cÁ•^•c^ { Á then takes over and automatically steers and maintains the beam in the optimum position for reliable performance. The •ä\* } æ|Á^ } ^!æc^äÁä } Ác@^Ác!æ } • { äcc^!Á^|^ { ^ } cÁæ } äÁ!^ ^&c^äÁ^Á the prism back to the receiver element is analyzed for the presence of smoke. The internal microprocessor determines an alarm condition when a predetermined level of obscuration is reached. The system is designed to be mounted so the beam will project between 1ft. (0.31m) and 2ft. (0.61m) below and parallel to the ceiling. Lateral detection may be up to 30ft. (9.144m) on either side of the beam, providing a maximum c [ cæ|Á& [ ç^!æ\*^Áæ!^æÁ [ -Á~ ] Ác [ ÁFJÉ!€€Á•~æ!^Á•^cÁç!€-cÉÁçÁHHE-cÉÁ or 18.29m x 100m).

### GhUbXUfX' : YUh i fYg.

- ~Á Range of 26.25 ft. to 330 ft. (8m to 100m)
- ~Á AutoOptimiser beam alignment system
- ~Á Ground Level System Controller
- ~Á LASER Assisted Prism Mounting
- ~Á AutoOptimise Beam Alignment
- ~Á Electronic Obscuration Test
- ~Á Contamination Compensation
- ~Á Building Shift Compensation
- ~Á Separate alarm and trouble contacts
- ~Á Remote display and control unit with LCD backlight
- ~Á Password protected settings
- ~Á Programmable obscuration thresholds: 10% - 60% in 1% increments
- ~Á Programmable Fault and Alarm Timing: 2—30 Seconds
- ~Á 3 Year Warranty



1 Prism included for 15 - 160 Foot installations.  
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 Use the FE-5000-004 Long Range Kit.



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## GdYWJÜWUh]cbg.

The projected beam type smoke detector shall be a 4-wire 24 VDC device to be used with a Nationally Recognized Testing Laboratory's Listed separately supplied 4-wire control panel. Unit shall be listed to U.L. 268 and shall consist of an integrated transmitter/receiver and a remote control unit. The detector shall operate between a range of 26.25 ft. to 330 ft. (8m to 100m). The UL Listed temperature range of the beam shall be 32°F to 100°F (0°C to 37.8°C). The beam detector shall feature automatic gain control which will compensate for gradual signal deterioration from dirt

feature to ensure the unit is always receiving the maximum signal available, and shall be able to compensate for building shift. The unit shall include a wall mounting remote display and control unit with LCD backlight.

## 9`YWhf]WU`GdYWJÜWUh]cbg.

Primary Input Power:  
14 to 28 VDC

Standby Current:  
Low Current Mode: 12mA @  
24VDC  
High Current Mode: 52mA  
@24VDC

Alarm Current:  
52 mA @ 24 VDC

Relay Contacts:  
1A at 30 VDC Resistive

Reset Time:  
5 Seconds maximum

Start Up Time:  
45 Seconds

Optical Wavelength:  
850nm.

Temperature Rating:  
-22°F to 131°F (-20°C to 55°C)  
32°F to 100°F (0°C to 37.8°C) UL

Relative Humidity:  
0% to 93% RH non-condensing

Range:  
26.25ft. to 330ft. (8m to 100m)

Cableing Between Detector & Controller:  
24—14 AWG 1—Pair Shielded

Sensitivity:  
10% - 60% (35% Default)

Dimensions:  
Head:  
5.28" H x 5.31" L x 5.28" W  
(135mm H x 134mm L x 132mm W)

Controller:  
2.80" H x 9.25" L x 7.87" W  
(71mm H x 235mm L x 200mm W)

Prism:  
0.37" H x 4.13" L x 3.94" W  
(9.5mm H x 105mm L x 100mm W)

Unit ship weight 5.75 lbs.

## 5ddfc jU`g.

UL	UROX.S3417
ULC	UROXC.S3417
MEA	22-08-E
CSFM	7260-1508:104

This Product Manufactured by  
Fire Fighting Enterprises

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Part #	Description
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