



# Certificate of Compliance to IEC 61508

**FM Approvals**  
Certifies herewith that the

*Multi-Spectral Infrared Flame Detector*  
Model FL4000H  
(Safety Manual [MANFL4SAFETY])

**Complies with the relevant requirements of standards listed below:**

Standards	Description	Compliance
IEC 61508-1 2010	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- General Requirements	Part 1
IEC 61508-2 2010	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems	Part 2
IEC 61508-3-2010	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- Software Requirements	Part 3

And therefore

**IS DECLARED "FIT FOR USE" IN A SIL 3, 2 or 1  
1oo1 Low Demand SAFETY APPLICATION**

Models	SIL	HFT	SFF	PFD	$\lambda_s$	$\lambda_{DD}$	$\lambda_{DU}$
FL4000H	3, 2, 1	0	>99%	$2.4 \times 10^{-5}$	$2.41 \times 10^{-6}$	$2.5 \times 10^{-6}$	$1.28 \times 10^{-8}$

*This certificate is subject to conditions of use presented in FM Approval Report  
Project ID 3037588, 3055292*

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Date

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