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# Certificate of Compliance to IEC 61508

**FM Approvals**  
 Certifies herewith that the

IRIS Models P522AC, P522DC Flame Scanners  
 (Safety Manual [66-2067])

Complies with the relevant requirements of standards listed below:

Standards	Description	Compliance
IEC 61508-1 1997	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- General Requirements	Part 1
IEC 61508-2 2000	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems	Part 2
IEC 61508-3-2000	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- Software Requirements	Part 3

And therefore

**IS DECLARED "FIT FOR USE" IN A  
 1001 Low Demand SAFETY APPLICATION**

Models	SIL	HFT	SFF	PFD	$\lambda_s$	$\lambda_{DP}$	$\lambda_{DU}$
P522AC	3	0	>99%	2.03E-4	4.49E-6	8.33E-9	9.28E-9
P522DC	3	0	>99%	2.03E-4	4.49E-6	8.33E-9	9.28E-9

*This certificate is subject to conditions of use presented in FM Approval Report  
 Project ID # 0003050024*

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*19 August 2014*  
 Approval Granted

3050024-P522