



Maxon – A Honeywell Company  
 201 E. 18<sup>th</sup> St.  
 Muncie, IN 47302

Distributed by:



888.858.3647 | relevantsolutions.com



# Certificate of Compliance to IEC 61508

**FM Approvals**  
 Certifies herewith that the

IRIS Model Uniscan2 Flame Monitoring System  
 (Safety Manual [66-2071])

**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  
 Low Demand SAFETY APPLICATION**

Models	SIL	HFT	SFF	PFD	$\lambda_s$	$\lambda_{DD}$	$\lambda_{DU}$
1010/1010PF	3	0	>99%	$1.54 \times 10^{-4}$	$1.08 \times 10^{-5}$	$7.22 \times 10^{-9}$	$6.95 \times 10^{-9}$
1012/1012PF	3	0	>99%	$1.45 \times 10^{-4}$	$8.19 \times 10^{-7}$	$7.22 \times 10^{-9}$	$6.62 \times 10^{-9}$
1016/1016PF	3	0	>99%	$7.55 \times 10^{-5}$	$1.08 \times 10^{-5}$	$1.97 \times 10^{-9}$	$3.45 \times 10^{-9}$
1018/1018PF	3	0	>99%	$1.54 \times 10^{-4}$	$1.08 \times 10^{-5}$	$7.22 \times 10^{-9}$	$6.95 \times 10^{-9}$

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

*J.E. Marquedant*  
 James E. Marquedant  
 Group Manager, Electrical  
 FM Approvals  
 1151 Boston-Providence Turnpike  
 Norwood, MA 02062

July 19, 2013  
 Approval Granted

0003050024 IRIS Uniscan2