



Maxon-A Honeywell Company  
 201 E18<sup>th</sup> Street  
 Muncie, IN  
 United States

# Certificate of Compliance to IEC 61508

FM Approvals  
 Certifies herewith that the

U2-101xS Flame Scanner

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  
 1oo1 Low Demand SAFETY APPLICATION

Models	SIL	HFT	SFF	PFD	$\lambda_s$	$\lambda_{DD}$	$\lambda_{DU}$
U2-1010S U2-1010S-PF	3	0	99.96%	$1.20 \times 10^{-4}$	$1.23 \times 10^{-5}$	$3.34 \times 10^{-7}$	$5.38 \times 10^{-9}$
U2-1012S U2-1012S-PF	3	0	99.68%	$1.16 \times 10^{-4}$	$1.64 \times 10^{-6}$	$1.77 \times 10^{-9}$	$5.32 \times 10^{-9}$
U2-1016S U2-1016S-PF	3	0	99.95%	$1.15 \times 10^{-4}$	$1.06 \times 10^{-5}$	$1.74 \times 10^{-9}$	$5.27 \times 10^{-9}$
U2-1018S U2-1018S-PF	3	0	99.95%	$1.16 \times 10^{-4}$	$1.16 \times 10^{-5}$	$1.77 \times 10^{-9}$	$5.32 \times 10^{-9}$

*This certificate is subject to conditions of use presented in FM Approval Report  
 Project ID 0003055071*

15 June 2015

  
 J.E. Marquedant  
 Manager of Electrical Systems  
 FM Approvals  
 1151 Boston-Providence Turnpike,  
 Norwood MA, 02062 USA

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 Date

