



Certificate of Compliance to IEC 61508

FM Approvals
Certifies herewith that the

UV/IR Flame Detector
 Model FL3100H
 (Safety Manual [MANFL31SAFETY])

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	λ_s	λ_{DD}	λ_{DU}
FL3100H	3, 2, 1	0	>99%	3.91×10^{-5}	3.92×10^{-6}	2.61×10^{-6}	2.65×10^{-8}

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

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

18 May 2015

 Date



Member of the FM Global Group

General Monitors Inc
 26776 Simpatica Cr
 Lake Forest, CA 92630
 United States