

Certificate of Compliance to IEC 61508

FM Approvals
Certifies herewith that the

UV/IR Flame Detector
(Safety Manual [FL500 UV/IR Flame Detector])

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
Low Demand SAFETY APPLICATION

Models	SIL	HFT	SFF	PFD	λ_s	λ_{DD}	λ_{DU}
Analog Output	3	0	99%	1.78E-06	6.04E-07	4.34E-07	3.72E-11
Relay Output	2	0	98%	2.71E-05	7.19E-07	6.15E-07	2.24E-08

** $PFD_{avg1001}$ assumes a 4-hour repair time and 90-day proof test interval.

*This certificate is subject to conditions of use presented in FM Approval Report
Project ID # PR449249*



Member of the FM Global Group

Handwritten signature of James E. Marquedant.

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17 December 2019

Date