

CERTIFICATE OF COMPLIANCE

Certificate Number MH10808
Report Reference MH10808-20201027
Date 2023-January-19

Issued to: Fireye Inc
3 Manchester Rd
Derry NH, 03038-3031 US

**This is to certify that
representative samples of** SPECIALTY HEATING AND HEATING-COOLING
APPLIANCE ACCESSORIES
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: See Addendum

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Investigated to Listed products investigated to EN/IEC 61508, Parts 1 - 7 (2010)

Model No.	Safety Function	Safety Rating	SFF	PFH	HFT	Beta Factor	PFD _{avg}	MTTF _d	Diagnostic Coverage	Category	CCF
Primary Safety Controls											
<i>InSight 4 Series</i>	Flame Scanner	SIL 3	>99% High	1.71 x 10 ⁻⁸	0	-	-	-	-	-	-
<i>InSight II Series</i>	Flame Scanner	SIL 3	>99% High	2.10 x 10 ⁻⁸	0	-	-	-	-	-	-
<i>Phoenix Flame Sensor</i>	Flame Scanner	SIL 3	>99% High	-	0	-	1.70 x 10 ⁻⁴	-	-	-	-
<i>Turbine Flame Scanner (Operating Control), Model VFS-2000, NED-GEAC-2000</i>	Flame Scanner	SIL 3	>90% Medium	7.65 x 10 ⁻⁹	0	-	3.35 x 10 ⁻⁵	-	Low	-	-

Standard(s) for Safety:

IEC 61508-1, Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems. Pt. 1, General Requirements.

IEC 61508-2, Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems. Pt. 2 - Requirements for Electrical/Electronic/Programmable Electronic Safety-Related Systems.

IEC 61508-3, Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems. Pt. 3 – Software Requirements.

IEC 61508-4, Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems. Pt. 4, Definitions and Abbreviations.

IEC 61508-5, Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems. Pt. 5 - Examples of Methods for the Determination of Safety Integrity Levels.

IEC 61508-6 Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems. Pt. 6, Guidelines on the Application of IEC 61508-2 and IEC 61508-3

IEC 61508-7 Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems. Pt. 7 - Overview of Techniques and Measures.

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