DET-TRONICS

ADDENDUM

AUTOMATIC

X2200G, X5200G, X9800
NF-SSI Certified Flame Detectors

The information provided in this addendum describes the requirements met by the X2200G, X5200G, and X9800 Flame Detectors for conformity to NF EN 54-10 (see Table 1). For complete information regarding performance, installation, operation, maintenance, and specifications, refer to the appropriate manual listed below:

X2200G	95-8549
X5200G	95-8546
X9800	95-8554

Table 1—Flame Detector Settings and Corresponding Classification

The flame detectors are EN 54-10 approved for any combination of the following settings described for each Class for each model.

Model	Setting	Class 1 (25 m)	Class 2 (17 m)	Class 3 (12 m)
X2200G	UV Sensitivity	High or Very High	Medium, High, or Very High	Low, Medium, High, or Very High
	UV-Signal Processing Arc Rejection*	Low, Medium, High, or Very High	Low, Medium, High, or Very High	Low, Medium, High, or Very High
X9800	IR Sensitivity	High or Very High	Medium, High, or Very High	Low, Medium, High, or Very High
	Quick Fire**	On or Off	On or Off	On or Off
	TDSA**	On	On	On
X5200G	UV Sensitivity	High or Very High	Medium, High, or Very High	Low, Medium, High, or Very High
	UV-Signal Processing Arc Rejection*	Low, Medium, High, or Very High	Low, Medium, High, or Very High	Low, Medium, High, or Very High
	IR Sensitivity	High or Very High	Medium, High, or Very High	Low, Medium, High, or Very High
	Quick Fire**	On or Off	On or Off	On or Off
	TDSA**	On	On	On

* See the X2200G and X5200G instruction manuals for details.
** See the X5200G and X9800 instruction manuals for details.

SPECIFICATIONS

CONE OF VISION—

The installation of the flame detectors meet the directional dependence requirements of EN 54-10, Clause 5.4 for any ß angle when the α angle does not exceed ±30° (total field of view = 60°).

A maximum achievable horizontal α angle of ± 45° (total Horizontal field of view = 90°) was obtainable with a ß angle of 0° (unit mounted in the upright position).

NOTE

Detectors may have wider coverage depending on the Field of View (FOV). See Appendix A in each corresponding instruction manual for further details.

CERTIFICATIONS—

NF Identification No: LIR 011 A0.

PAR AFNOR CERTIFICATION
NF
SYSTÈME DE SÉCURITÉ INCENDIE (SSI)
www.marque-nf.com

CE

0832

Det-Tronics, Minneapolis, MN 55438, USA

0832-CPR-F1686:2016; DoP No. 2013–DEC1208 (X2200G UV)
0832-CPR-F1178:2015; DoP No. 2013–DEC1208 (X5200G UVIR)
0832-CPR-F1688:2016; DoP No. 2013–DEC1208 (X9800 IR)

EN 54-10
Flame Detectors - Point Detectors
X2200G UV, X5200G UVIR, X9800 IR
Technical data: see Doc. 95-6549 (X2200G), 95-6546 (X5200G), 95-6554 (X9800) held by manufacturer.

ORDERING INFORMATION

When ordering, please specify:

X2200G UV Flame Detector
X5200G UVIR Flame Detector
X9800 IR Flame Detector

Refer to the X2200G, X5200G, X9800 Model Matrix for details.

X5200G, X9800, X2200G MODEL MATRIX

MODEL	DESCRIPTION
X2200G	UV Flame Detector with Kr^{85} Free Source Tube
X5200G	UVIR Flame Detector with Kr^{85} Free Source Tube
X9800	Single Frequency IR Flame Detector

TYPE	MATERIAL
A	Aluminum

TYPE	THREAD TYPE
4M	4 Port, Metric M25
4N	4 Port, 3/4" NPT

TYPE	OUTPUTS
11	Relay
13	Relay and 0-20 mA
23	HART, Relay and 0-20 mA

TYPE	APPROVALS*
E	ATEX/IECEx
W	FM/CSA/ATEX/IECEx
T	SIL/FM/CSA/ATEX/IECEx
S	SIL

TYPE	CLASSIFICATION
1	Division/Zone Ex d e
2	Division/Zone Ex d

* Type Approvals can use one or more letters to designate the approvals of the product.

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