



Applus+ Certified Product

LGAI Technological Center S.A. (APPLUS), certifies that the product:

APPLICANT

Carrier Fire & Security B.V.

Kelvinstraat, 7
6003 DH Weert (The Netherlands)

Produced in the manufacturing plant

Kelvinstraat, 7
6003 DH Weert (The Netherlands)

PRODUCT

2X-A Series ARITECH PROTOCOL & Kidde Excellence protocol

APPLICABLE REGULATION

EN 54-13:2005, EN 54-13:2017+A1:2019 "Fire detection and fire alarm systems.
Part 13: compatibility assessment of system components"

LGAI has performed the product initial tests, the initial assessment of the production process and management system. Periodically, the entity does follow-up by testing samples from production and assessment of the production process and management system.

This document is not valid without its technical annex; whose number coincides with that of the certificate.

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Check the status
of this certificate

Certificate

Technical Annex

Fire panels					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Addressable fire panel	KIDDE Commercial	2X-AT-F2-S	1	54-2 54-4	v05.03.20 (LCU 04.00.21)
Addressable fire panel	KIDDE Commercial	2X-AT-F2	1	54-2 54-4	v05.03.20 (LCU 04.00.21)
Addressable fire panel	KIDDE Commercial	2X-AT-F2-FB	1	54-2 54-4	v05.03.20 (LCU 04.00.21)
Addressable fire panel	KIDDE Commercial	2X-AT-F2-FB-S	1	54-2 54-4	v05.03.20 (LCU 04.00.21)
Addressable fire panel	KIDDE Commercial	2X-AT-F2-P	1	54-2 54-4	v05.03.20 (LCU 04.00.21)
Addressable fire panel	KIDDE Commercial	2X-AT-F2-FB-P	1	54-2 54-4	v05.03.20 (LCU 04.00.21)
Addressable fire panel	KIDDE Commercial	2X-AF2-FB	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF1-S	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF1-FB-S	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF1-SCFB-S	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-S	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-FB-S	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-SCFB-S	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AE1	1	54-2 54-4 54-21	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF1	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF1-FB	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF1-SCFB	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AE2	1	54-2 54-4 54-21	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2	1	54-2 54-4 54-21	V04.01.03

Addressable fire panel	KIDDE Commercial	2X-AF2-PRT	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-FB-PRT	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-SCFB	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AE2-P	1	54-2 54-4 54-21	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-P	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-PRT-P	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-FB-P	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-FB-PRT-P	1	54-2 54-4 54-21	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AF2-SCFB-P	1	54-2 54-4 54-21	V04.01.03
Repeaters					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Addressable fire panel repeater	KIDDE Commercial	2X-AFR-SCFB-C	2	54-2	MCU(05.01.02) NB(02.03.08) UIC(03.01.14)
Addressable fire panel repeater	KIDDE Commercial	2X-AFR-FB-C	2	54-2	MCU(05.01.02) NB(02.03.08) UIC(03.01.14)
Addressable fire panel repeater	KIDDE Commercial	2X-AFR-D-C	2	54-2	MCU(05.01.02) NB(02.03.08) UIC(03.01.14)
Addressable fire panel repeater	KIDDE Commercial	2X-AFR-C	2	54-2	MCU(05.01.02) NB(02.03.08) UIC(03.01.14)
Addressable fire panel repeater	KIDDE Commercial	2X-AER-C	2	54-2	MCU(05.01.02) NB(02.03.08) UIC(03.01.14)
Addressable fire panel	ARITECH	1X-F8	1	54-2 54-4	2.03.05
Addressable fire panel	ARITECH	2X-FR	1	54-2 54-4	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AT-FR-S	1	54-2 54-4	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AFR-S	1	54-2 54-4	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AFR-FB-S	1	54-2 54-4	V04.01.03
Addressable fire panel	KIDDE Commercial	2X-AFR	1	54-2 54-4	V04.01.03
Addressable fire panel	KIDDE	2X-AFR-FB	1	54-2	V04.01.03

	Commercial			54-4	
Addressable fire panel	KIDDE Commercial	2X-AT-FR	1	54-2 54-4	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-FR-FB	1	54-2 54-4	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-FR-FB-S	1	54-2 54-4	v05.00.09 (LCU 04.00.15)
Addressable detectors					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Addressable dual optical detector with isolator	KIDDE Commercial	KE-DP3120W	1	54-7 54-17	0.5.4
Addressable dual optical detector	KIDDE Commercial	KE-DP3020W	1	54-7	0.5.4
Addressable dual optical/heat detector with isolator	KIDDE Commercial	KE-DP3121W	1	54-5 54-7 54-17	0.5.4
Addressable dual optical/heat detector	KIDDE Commercial	KE-DP3021W	1	54-5 54-7	0.5.4
Addressable dual optical/heat detector with isolator	KIDDE Commercial	KE-DP3121B	1	54-5 54-7 54-17	0.5.4
Addressable dual optical/heat detector	KIDDE Commercial	KE-DP3021B	1	54-5 54-7	0.5.4
Addressable class A/B heat detector with isolator	KIDDE Commercial	KE-DT3101W-HAB	1	54-5 54-17	0.5.4
Addressable class A/B heat detector	KIDDE Commercial	KE-DT3001W-HAB	1	54-5	0.5.4
Addressable optical smoke detector	ARITECH	DP2061N	1	EN54-7	FW DP2061N V01
Addressable multisensor fire detector	ARITECH	DP2061T	1	EN54-7	FW DP2061T V2.01
Addressable Heat Detector	ARITECH	DT2063N	1	EN54-5	FW DT2063N v1.1
Addressable reflective beam detector	ARITECH	FD2705R	1	EN54-12	0765-01 Checksum 88C3
Excellence intelligent addressable isolated dual optical/heat detector w/ sounder & VAD	KIDDE Commercial	KE-DP3121W-SNV	1	EN 54-3 EN 54-5 EN 54-7 EN 54-17 EN 54-23	1.0.17.11
Excellence intelligent addressable isolated dual optical/heat detector w/ sounder & VAD (Black color)	KIDDE Commercial	KE-DP3121B-SNV	1	EN 54-3 EN 54-5 EN 54-7 EN 54-17 EN 54-23	1.0.17.11
Excellence intelligent addressable isolated dual optical/heat detector w/ sounder	KIDDE Commercial	KE-DP3121W-SN	1	EN 54-3 EN 54-5 EN 54-7 EN 54-17 EN 54-23	1.0.17.11
Excellence intelligent addressable isolated dual optical smoke detector w/ sounder & VAD	KIDDE Commercial	KE-DP3120W-SNV	1	EN 54-3 EN 54-7 EN 54-17 EN 54-23	1.0.17.11

Excellence intelligent addressable isolated dual optical smoke detector w/ sounder	KIDDE Commercial	KE-DP3120W-SN	1	EN 54-3 EN 54-7 EN 54-17	1.0.17.11
Aspirating smoke detection					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Stratos Modulaser, Detector module	AirSense	9-307883	1	54-20	1.4.0
AutroSense Cascade, Detector module	Autronica	116-5861-018.2803	1	54-20	1.4.0
LaserSense Modulaser, Detector module	Edwards	FHSD8330	1	54-20	1.4.0
Mistral Modul, Detector module	Finsecur	ACC0008-001-A	1	54-20	1.4.0
Senator Modulaser, Detector module	KIDDE	9-30783-KID	1	54-20	1.4.0
Stratos Modulaser, Detector module-Chinese	Airsense	9-30783-CHI	1	54-20	1.4.0
Stratos Modulaser, Detector module	Airsense	9-30783-FRA	1	54-20	1.4.0
Addressable manual call points					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Addressable Manual Call Point	ARITECH	DM2010	1	EN54-11	83201005 V1.0
2000 Series Addressable MCP, RED, Surface Mount w/ Glass - POLISH	ARITECH	DM2010-18	1	EN54-11	83201005 V1.0
Addressable Manual Call Point	ARITECH	DM2010E	1	EN54-11	83201005 V1.0
2000 Series Addressable MCP, RED, Surface Mount w/ Glass - POLISH	ARITECH	DM2010E-18	1	EN54-11	83201005 V1.0
2000 Series Addressable MCP w/ Isolator - BLUE - Hausalarm	ARITECH	DM2080BI-N	2	EN54-11 EN54-17	83201005 V1.0
Addressable MCP w/ Isolator - RED	ARITECH	DM2080I-N	1	EN54-11 EN54-17	83201005 V1.0
2000 SERIES ADDRESSABLE MCP W/ ISOLATOR - YELLOW - LOSCHANLAGE	ARITECH	DM2080YI-N	2	EN54-11 EN54-17	83201005 V1.0
Addressable Manual Call Point	KIDDE Commercial	DM3000	1	EN54-11	1.2.4.
Addressable Manual Call Point	KIDDE Commercial	DM3000E	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof Swedish Aritech (Red)	KIDDE Commercial	DM3000ES06	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof Polish Aritech (Red)	KIDDE Commercial	DM3000ES18	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Aritech (Green)	KIDDE Commercial	DM3000G	2	EN54-11	1.2.4.
INT ADDR MCP - EN ARI (ORANGE)	KIDDE Commercial	DM3000O	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Swedish Aritech (Red)	KIDDE Commercial	DM3000S06	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Polish Aritech (Red)	KIDDE Commercial	DM3000S18	1	EN54-11	1.2.4.

Intelligent Addressable Manual Call Point - Evacuation Alarm - Aritech (Blue)	KIDDE Commercial	DM3000U	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Abort Extinguishing System - Aritech (White)	KIDDE Commercial	DM3000WS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Handversie het Dovende Systeem - Aritech (Yellow)	KIDDE Commercial	DM3000YS01	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Déclencheur Manuel Système D'Extinction - Aritech (Yellow)	KIDDE Commercial	DM3000YS02	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Manual Release Extinguishing System - Aritech (Yellow)	KIDDE Commercial	DM3000YS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (Green)	KIDDE Commercial	KE-DM3010G	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof (Green)	KIDDE Commercial	KE-DM3010G-IP	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (Orange)	KIDDE Commercial	KE-DM3010OS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (Red)	KIDDE Commercial	KE-DM3010R	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof (Red)	KIDDE Commercial	KE-DM3010R-IP	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Swedish (Red)	KIDDE Commercial	KE-DM3010RS06	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Polish (Red)	KIDDE Commercial	KE-DM3010RS18	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof Polish (Red)	KIDDE Commercial	KE-DM3010RS18-IP	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - English (Red)	KIDDE Commercial	KE-DM3010RS27	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof Polish (Red)	KIDDE Commercial	KE-DM3010RS27-IP	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Chubb (Red)	KIDDE Commercial	KE-DM3010RSCH	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Clymac (Red)	KIDDE Commercial	KE-DM3010RSCL	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (Blue)	KIDDE Commercial	KE-DM3010US99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (White)	KIDDE Commercial	KE-DM3010W	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Dutch (Yellow)	KIDDE Commercial	KE-DM3010YS01	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - French (Yellow)	KIDDE Commercial	KE-DM3010YS02	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - English (Yellow)	KIDDE Commercial	KE-DM3010YS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Green)	KIDDE Commercial	KE-DM3110G	2	EN54-11	1.2.4.

Intelligent Addressable Manual Call Point w/ ISO - Weatherproof (Green)	KIDDE Commercial	KE-DM3110G-IP	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Orange)	KIDDE Commercial	KE-DM3110OS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Red)	KIDDE Commercial	KE-DM3110R	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Weatherproof (Red)	KIDDE Commercial	KE-DM3110R-IP	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Swedish (Red)	KIDDE Commercial	KE-DM3110RS06	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Polish (Red)	KIDDE Commercial	KE-DM3110RS18	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Weatherproof Polish (Red)	KIDDE Commercial	KE-DM3110RS18-IP	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Red)	KIDDE Commercial	KE-DM3110RS27	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Weatherproof English (Red)	KIDDE Commercial	KE-DM3110RS27-IP	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Chubb (Red)	KIDDE Commercial	KE-DM3110RSCH	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Clymac (Red)	KIDDE Commercial	KE-DM3110RSCL	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Blue)	KIDDE Commercial	KE-DM3110US99	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (White)	KIDDE Commercial	KE-DM3110W	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - English (White)	KIDDE Commercial	KE-DM3110WS99	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Dutch (Yellow)	KIDDE Commercial	KE-DM3110YS01	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - French (Yellow)	KIDDE Commercial	KE-DM3110YS02	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - English (Yellow)	KIDDE Commercial	KE-DM3110YS99	2	EN54-11 EN54-17	1.2.4.
Addressable modules					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Addressable Input/Output unit with isolator – 2 INPUT/OUTPUT	KIDDE Commercial	KE-IO3122	1	54-18 54-17	1.1.6
Addressable Input/Output unit with isolator – 4 INPUT/OUTPUT	KIDDE Commercial	KE-IO3144	1	54-18 54-17	1.1.6
Addressable Input/Output unit with isolator – 1 ZONE MONITORING UNIT	KIDDE Commercial	KE-IU3111-ZME	1	54-18 54-17	1.1.7 1.1.4
Aritech Addressable Protocol Interface Card (APIC)	AIRSENSE	9-30441	1	54-17 54-18	1.5.7
Addressable Single Input Module	KIDDE Commercial	KE-IU3110	1	54-17 54-18	1.1.0
Addressable Single Output Module	KIDDE Commercial	KE-IO3101	1	54-17 54-18	1.1.0

Addressable High Voltage Relay Module	KIDDE Commercial	KE-IO3101-M	1	54-17 54-18	1.1.0
4 input and 4 output module	ARITECH	IO2034NC	1/2*	EN54-18	FW IO2034NC 0.1.2
Single Input Module	ARITECH	IU2050NC	1/2*	EN54-18	FW IU2050NC v1
Conventional Zone Monitor Unit	ARITECH	IU2055NC OBS (1)	1/2*	EN54-18	FW IU2055NC 0.1.1
Series IO Unit 1 Out/Indicating Circuit Controller	ARITECH	IU2080NC	1/2*	EN54-18	FW IU2080NC 1.0.10
Addressable sounders and beacons					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Powered Sounder	ARITECH	AS2363	1	EN54-3	Iss.1
Powered Sounder	ARITECH	AS2363W	1	EN54-3	Iss.1
Powered Sounder	ARITECH	AS2364	1	EN54-3	Iss.1
Powered Sounder	ARITECH	AS2364W	1	EN54-3	Iss.1
Sounder & Red flash	ARITECH	ASC2366	1	EN54-3 EN54-23	Fir-0057-1.0.0
Sounder & Red flash	ARITECH	ASC2367	1	EN54-3 EN54-23	Fir-0057-1.0.0
Sounder & Red flash	ARITECH	ASC2367W	1	EN54-3 EN54-23	Fir-0048-1.0.0
Sounder & Red flash	ARITECH	ASW2366	1	EN54-3 EN54-23	Fir-0057-1.0.0
Sounder & Red flash	ARITECH	ASW2367	1	EN54-3 EN54-23	Fir-0057-1.0.0
Sounder & Red flash	ARITECH	ASW2367W	1	EN54-3 EN54-23	Fir-0048-1.0.0
Sounder base with isolator	ARITECH	DB2368IAS-R	1	EN54-3 EN54-17	Iss.1
Sounder base with isolator	ARITECH	DB2368IAS-W	1	EN54-3 EN54-17	Iss.1
Conventional Manual call point					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Addressable Manual Call Point	ARITECH	DM2010G	2	None (EN54-11)	83201005 V1.0
Addressable indoor extinguishing manual call point	ARITECH	DM2010Y	2	None (EN54-11)	83201005 V1.0
Conventional sounders and beacons					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Powered Dual Indicator	ARITECH	AI2672 OBS (1)	2	None/EN5 4-1	---
Conventional Ceiling Mount Sounder/VAD, Multi Tone, Shallow Base - Red Flash	EDWARDS	ASC366	1	EN 54-3 EN 54-23	FIR0048-1.1
Conventional Ceiling Mount Sounder/VAD, Multi Tone, Shallow Base - Red Flash	EDWARDS	ASC367	1	EN 54-3 EN 54-23	FIR0048-1.1
SOUNDER/BEACON, MULTI TONE, SHALLOW BASE, WALL MOUNT, RED FLASH	EDWARDS	ASW366	1	EN 54-3 EN 54-23	FIR0048-1.1
SOUNDER/BEACON, MULTI TONE, DEEP BASE, WALL MOUNT, RED FLASH	EDWARDS	ASW367	1	EN 54-3 EN 54-23	FIR0048-1.1
Conventional fire sounder, multi tone with shallow base	EDWARDS	AS363	1	EN 54-3	FIR0094-13

Conventional fire sounder, multi tone with deep base	EDWARDS	AS364	1	EN 54-3	FIR0094-13
Isolator					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Isolator Module w/ CPD Housing	ARITECH	ISM-95	1	EN54-17	---
Isolators bases					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Base with isolator	ARITECH	DB2016	1	EN54-17	--
Supplementary information:					
For IO2034NC, IU2050NC, IU2055NC and IU2080NC devices see acceptability conditions. OBS (1): The equipment's IU2055NC and AI2672 only complies partially the standard 54-13, between the working voltages range 21 to 28 V and 20 to 30 V respectively. Notes: [1] All firmware versions in this document are according to customer declaration. [2] Customer declares equipment as type 1 or type 2 in their documentation.					