



APPLUS+ CERTIFIED PRODUCT

No.

PR-2015/064

CARRIER FIRE & SECURITY B.V.

KELVINSTRAAT, 7
6003 DH WEERT, THE NETHERLANDS

Produced in the manufacturing plant:

CARRIER FIRE & SECURITY B.V.

KELVINSTRAAT, 7
6003 DH WEERT, THE NETHERLANDS

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

2X-A Series ARITECH PROTOCOL & Kidde Excellence protocol

Is in accordance with the standard:

EN 54-13:2005; EN 54-13:2017+A1:2019 "FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 13: COMPATIBILITY AND CONNECTABILITY 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 certificate is valid until 23rd December 2026, provided that the conditions laid down in the contract are maintained.

Modification of the initial certificate issued on 23rd December 2022

Bellaterra, 21st June 2024


Applus+
LGAI Technological Center, S.A.

Xavier Ruiz Peña
Managing Director, Product Conformity B.U.



This document is not valid without the technical annex, whose number matches the certificate.

The validity of this certificate can be checked on our website: www.appluslaboratories.com/certified_products

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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 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-F2	1	54-2 54-4 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-F2-FB	1	54-2 54-4 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-F2-FB-S	1	54-2 54-4 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-F2-P	1	54-2 54-4 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-F2-FB-P	1	54-2 54-4 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AF2-FB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF1-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF1-FB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF1-SCFB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-FB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-SCFB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AFR-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AFR-FB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AE1	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF1	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF1-FB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF1-SCFB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AE2	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-PRT	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-FB-PRT	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-SCFB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AFR	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AFR-FB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AE2-P	1	54-2 54-4	V04.00.18 V04.00.19

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Addressable fire panel	KIDDE Commercial	2X-AF2-P	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-PRT-P	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-FB-P	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-FB-PRT-P	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	KIDDE Commercial	2X-AF2-SCFB-P	1	54-2 54-4	V04.00.18 V04.00.19
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	2.01.04
Addressable fire panel	ZITON	ZP2-F1	1	54-2 54-4	3.08.16
Addressable fire panel	KIDDE Commercial	2X-AT-FR-S	1	54-2 54-4 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-FR	1	54-2 54-4 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-FR-FB	1	54-2 54-4 54-21	v05.00.09 (LCU 04.00.15)
Addressable fire panel	KIDDE Commercial	2X-AT-FR-FB-S	1	54-2 54-4 54-21	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

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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
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.

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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.

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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

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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/EN54-1	---
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	--

For IO2034NC, IU2050NC, IU2055NC and IU2080NC devices see acceptability conditions.

OBS (1): The equipment 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.