



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

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.

Bellaterra, 23rd December 2022




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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TYPE OF DEVICE	BRAND	MODEL	TYPE	EN 54 PART ¹	FW VERSION
Addressable fire panel	Aritech	2X-AF2-FB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF1-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF1-FB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF1-SCFB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-FB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-SCFB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AFR-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AFR-FB-S	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AE1	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF1	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF1-FB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF1-SCFB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AE2	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-PRT	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-FB-PRT	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-SCFB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AFR	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AFR-FB	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AE2-P	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-P	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-PRT-P	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-FB-P	1	54-2 54-4	V04.00.18 V04.00.19
Addressable fire panel	Aritech	2X-AF2-FB-PRT-P	1	54-2 54-4	V04.00.18 V04.00.19

¹ the components conform to either with the requirements of EN54 or with a manufacturer's specification where there is no EN54 standard

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Addressable fire panel	Aritech	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	Aritech	1X-F8	1	54-2 54-4	2.01.04
Addressable fire panel	Aritech	ZP2-F1	1	54-2 54-4	3.08.16
Addressable detectors					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Addressable optical smoke detector	Carrier	DP2061N	1	EN54-7	FW DP2061N V01
Addressable multisensor fire detector	Carrier	DP2061T	1	EN54-7	FW DP2061T V2.01
Addressable Heat Detector	Carrier	DT2063N	1	EN54-5	FW DT2063N v1.1
Addressable reflective beam detector	Carrier	FD2705R	1	EN54-12	0765-01 Checksum 88C3
Addressable manual call points					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Addressable Manual Call Point	Carrier	DM2010	1	EN54-11	83201005 V1.0
2000 Series Addressable MCP, RED, Surface Mount w/ Glass - POLISH	Carrier	DM2010-18	1	EN54-11	83201005 V1.0
Addressable Manual Call Point	Carrier	DM2010E	1	EN54-11	83201005 V1.0
2000 Series Addressable MCP, RED, Surface Mount w/ Glass - POLISH	Carrier	DM2010E-18	1	EN54-11	83201005 V1.0
2000 Series Addressable MCP w/ Isolator - BLUE - Hausalarm	Carrier	DM2080BI-N	2	EN54-11 EN54-17	83201005 V1.0
Addressable MCP w/ Isolator - RED	Carrier	DM2080I-N	1	EN54-11 EN54-17	83201005 V1.0
2000 SERIES ADDRESSABLE MCP W/ ISOLATOR - YELLOW - LOSCHANLAGE	Carrier	DM2080YI-N	2	EN54-11 EN54-17	83201005 V1.0
Addressable Manual Call Point	Carrier	DM3000	1	EN54-11	1.2.4.
Addressable Manual Call Point	Carrier	DM3000E	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof Swedish Aritech (Red)	Carrier	DM3000ES06	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof Polish Aritech (Red)	Carrier	DM3000ES18	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Aritech (Green)	Carrier	DM3000G	2	EN54-11	1.2.4.
INT ADDR MCP - EN ARI (ORANGE)	Carrier	DM3000O	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Swedish Aritech (Red)	Carrier	DM3000S06	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Polish Aritech (Red)	Carrier	DM3000S18	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Evacuation Alarm - Aritech (Blue)	Carrier	DM3000U	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Abort Extinguishing System - Aritech (White)	Carrier	DM3000WS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Handversie het Dovende Systeem - Aritech (Yellow)	Carrier	DM3000YS01	2	EN54-11	1.2.4.

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TYPE OF DEVICE	BRAND	MODEL	TYPE	EN 54 PART ¹	FW VERSION
Intelligent Addressable Manual Call Point - Déclencheur Manuel Système D'Extinction - Aritech (Yellow)	Carrier	DM3000YS02	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Manual Release Extinguishing System - Aritech (Yellow)	Carrier	DM3000YS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (Green)	Carrier	DM3010G	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof (Green)	Carrier	DM3010G-IP	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (Orange)	Carrier	DM3010OS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (Red)	Carrier	DM3010R	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof (Red)	Carrier	DM3010R-IP	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Swedish (Red)	Carrier	DM3010RS06	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Polish (Red)	Carrier	DM3010RS18	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof Polish (Red)	Carrier	DM3010RS18-IP	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - English (Red)	Carrier	DM3010RS27	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Weatherproof Polish (Red)	Carrier	DM3010RS27-IP	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Chubb (Red)	Carrier	DM3010RSCH	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Clymac (Red)	Carrier	DM3010RSCL	1	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (Blue)	Carrier	DM3010US99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - (White)	Carrier	DM3010W	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - Dutch (Yellow)	Carrier	DM3010YS01	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - French (Yellow)	Carrier	DM3010YS02	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point - English (Yellow)	Carrier	DM3010YS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Green)	Carrier	DM3110G	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Weatherproof (Green)	Carrier	DM3110G-IP	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Orange)	Carrier	DM3110OS99	2	EN54-11	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Red)	Carrier	DM3110R	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Weatherproof (Red)	Carrier	DM3110R-IP	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Swedish (Red)	Carrier	DM3110RS06	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Polish (Red)	Carrier	DM3110RS18	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Weatherproof Polish (Red)	Carrier	DM3110RS18-IP	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Red)	Carrier	DM3110RS27	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Weatherproof English (Red)	Carrier	DM3110RS27-IP	1	EN54-11 EN54-17	1.2.4.

TYPE OF DEVICE	BRAND	MODEL	TYPE	EN 54 PART ¹	FW VERSION
Intelligent Addressable Manual Call Point w/ ISO - Chubb (Red)	Carrier	DM3110RSCH	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Clymac (Red)	Carrier	DM3110RSCL	1	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (Blue)	Carrier	DM3110US99	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - (White)	Carrier	DM3110W	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - English (White)	Carrier	DM3110WS99	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - Dutch (Yellow)	Carrier	DM3110YS01	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - French (Yellow)	Carrier	DM3110YS02	2	EN54-11 EN54-17	1.2.4.
Intelligent Addressable Manual Call Point w/ ISO - English (Yellow)	Carrier	DM3110YS99	2	EN54-11 EN54-17	1.2.4.
Addressable modules					
Type of Device	Brand	Model	Type	EN54 Part	FW version
4 input and 4 output module	Carrier Aritech	IO2034NC	1/2*	EN54-18	FW IO2034NC 0.1.2
Single Input Module	Carrier Aritech	IU2050NC	1/2*	EN54-18	FW IU2050NC v1
Conventional Zone Monitor Unit	Carrier Aritech	IU2055NC OBS (1)	1/2*	EN54-18	FW IU2055NC 0.1.1
Series IO Unit 1 Out/Indicating Circuit Controller	Carrier 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	Carrier	AS2363	1	EN54-3	Iss.1
Powered Sounder	Carrier	AS2363W	1	EN54-3	Iss.1
Powered Sounder	Carrier	AS2364	1	EN54-3	Iss.1
Powered Sounder	Carrier	AS2364W	1	EN54-3	Iss.1
Sounder & Red flash	Carrier	ASC2366	1	EN54-3 EN54-23	Fir-0057-1.0.0
Sounder & Red flash	Carrier	ASC2367	1	EN54-3 EN54-23	Fir-0057-1.0.0
Sounder & Red flash	Carrier	ASC2367W	1	EN54-3 EN54-23	Fir-0048-1.0.0
Sounder & Red flash	Carrier	ASW2366	1	EN54-3 EN54-23	Fir-0057-1.0.0
Sounder & Red flash	Carrier	ASW2367	1	EN54-3 EN54-23	Fir-0057-1.0.0
Sounder & Red flash	Carrier	ASW2367W	1	EN54-3 EN54-23	Fir-0048-1.0.0
Sounder base with isolator	Carrier	DB2368IAS-R	1	EN54-3 EN54-17	Iss.1
Sounder base with isolator	Carrier	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	Carrier	DM2010G	2	None (EN54-11)	83201005 V1.0
Addressable indoor extinguishing manual call point	Carrier	DM2010Y	2	None (EN54-11)	83201005 V1.0

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TYPE OF DEVICE	BRAND	MODEL	TYPE	EN 54 PART ¹	FW VERSION
Conventional sounders and beacons					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Powered Dual Indicator	Aritech Carrier	AI2672 OBS (1)	2	None/EN54-1	---
Isolator					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Isolator Module w/ CPD Housing	Carrier Aritech	ISM-95	1	EN54-17	---
Isolators bases					
Type of Device	Brand	Model	Type	EN54 Part	FW version
Base with isolator	Carrier	DB2016	1	EN54-17	---

*For IO2034NC, IU2050NC, IU2055NC and IU2080NC devices see acceptability conditions. OBS (1): The equipments 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.