BOSEC

CERTIFICATE

N° TCC 2 – 907

We certify that the fire detection system ARITECH Series 2010-2 (2X) with the following components:

See annex N° 1, 2, 3, 4 & 5

comply with the following specifications :

General rules of the BOSEC brand and the Specific certification rules for products in the fire detection domain
EN 54-13: 2005 this includes the conformity of the components to the following :
Applicable Standards
EN 54-2/A1:2006, EN 54-4/A1/A2:2006, EN 54-5/A1:2002, EN 54-7/A1/A2:2006, EN 54-11/A1:2005, EN 54-12:2002, EN 54-17:2005, EN 54-18:2005/AC:2007, EN54-3/A1/A2:2006, EN54-23: 2010, EN 1155:1997/A1:2002

on the base of the report of the laboratories ANPI :

BFS/DE/S/009-2011.08.08, Corr. 1 - 2011.08.23, Add. 1-2011.08.24, Corr. 2 - 2011.08.25 & Add. 2- 2011.10.18

on the base of EC(CPD) Certificates of conformity :

0832-CPD-1544, 0832-CPD-1546, 1134-CPD-010, 1134-CPD-006, 1134-CPD-023, 0786-CPD-20317, 0786-CPD-20635, 0832-CPD-0753, 0832-CPD-0755, 0786-CPD-20454, 0832-CPD-0754, 0832-CPD-1342 to 1345, 0832-CPD-0552 to 0559, 0832-CPD-0607, 0086-CPD-534558, 0876-CPD-20225, 0876-CPD-20338, 0832-CPD-0809, 0832-CPD-0807, 0832-CPD-0762, 0832-CPD-0962, 0786-CPD-20730 to 20732, 0786-CPD-20693, 0786-CPD-20435, 0786-CPD-20249

This certificate is only valid if the components are provided with the mark **BOSEC.**

The company

UTC FIRE & SECURITY B.V
Kelvinstraat, 7
NL – 6003 DH WEERT
THE NETHERLANDS

is authorised to use the mark **BOSEC** *on the components.*

This certificate is granted subject to the **ANPI** *terms and conditions and is valid until*	*signed on behalf of* **ANPI** *Brussels, the 28th of October 2011*
27nd October 2014	*The General Secretary* *M. Vandendoren*

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ANNEX 1 TO THE CERTIFICATE N° TCC2 – 907

The certificate delivered on 28rd of October 2011 to the company:

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is composed of the following components:

CONTROL AND INDICATING EQUIPMENT ARITECH Series 2010-2 (2X)
Type 2X-F1 (1 loop with user interface)
Variants: 2X-F1-S (1 loop with user interface),
2X-F1-FB, 2X-F1-FB-S (1 loop with user interface and FB),
2X-F1-SC, 2X-F1-SC-S (1 loop with user interface, FB and SC)
Type 2X-F2 (2 loops with user interface)
Variants: 2X-F2-S (2 loops with user interface)
2X-F2-FB, 2X-F2-FB-S (2 loops with user interface and FB),
2X-F2-SC, 2X-F2-SC-S (2 loops with user interface, FB and SC)
Repeater type: 2X-FR (with user interface)
Variants: 2X-FR-S (with user interface)
2X-FR-FB, 2X-FR-FB-S (with user interface and FB),
2X-FR-SC, 2X-FR-SC-S (with user interface, FB and SC)

manufactered at:
Maitland (Rep. South Africa)

With integrated Power Supply Equipment (unit 4A) 2010-2-PS-40

Networksystem: mixed system of 2X and 1X panels (1X-F2,1X-F2-SC, 1X-F4, 1X-F4-NL, 1X-F4-SC, 1X-F8, 1X-F8-NL, 1X-F8-SC, 1X-E4, 1X-E4-NL)

Accessories:
LED Indicator 2X-ZI-20 (20 zone)
variants: 2X-ZI-24-S (only on small cabinet 24 zone), 2X-ZI-40 (40 zone)
Network PCB: 2010-2-NB
Expansion PCB: 2010-2-LB
Cable Mains pluggable 2010-2-PS-C2
Key & Lock component 2010-2-SK
S= Small cabinet variant   FB = Fire Brigade controls   SC = Scandinavian key   PCB = Printed Circuit Board
xx after each type = language code *see annex N°**8**

all these tested components are of type1 following the EN54-13 standard

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Brussels, 28th of October 2011
The General Secretary
M. Vandendoren

27nd October 2014

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ANNEX 2 TO THE CERTIFICATE N° TCC2 – 907

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And also of the following components:

Optical smoke detector
Aritech DP2061N Optical smoke detector (dual LED)   *manufactured at Shanghai (China)*
Variants:
Aritech DP2071 Optical smoke detector with seven segment display and remote output
Aritech DP2061 Optical smoke detector with remote LED output
Heat detector
Aritech DT2063 Heat detector with status LED and remote output   *manufactured at Shanghai (China)*
variant: Aritech DT2073 Heat detector with seven-segment display and remote output
Multisensor detector

Aritech DP2061T Dual detector (optical/heat)   *manufactured at Shanghai (China)*
Beam detector
Aritech FD2705R Reflective beam detector (50 m)   *manufactured at Herts (UK)*
Variant: Aritech FD2710R Reflective beam detector (100 m)
Bases

Aritech DB2002 Standard mounting base
Variants:
Aritech DB2002U Standard mounting base with earth terminal
Aritech DB2004 Deep mounting base   *manufactured at Ren Te'h Hsiang*
Aritech DB2016 Isolating base   *(Taiwan, China)*
Manual Call Points
Aritech DM2010 Red manual call point (surface mount)
variant: Aritech DM2010E Red manual call point for outdoor use (surface mount)   *manufactured at Worcestershire (UK)*

(*) Aritech DM2010G Green evacuation manual call point (surface mount)   *manufactured at Worcestershire (UK)*
(*) Aritech DM2010Y Yellow manual call point EN, NL,FR (surface mount)   *manufactured at Worcestershire (UK)*
variants:
(*) Aritech DM2010Y-3 Yellow manual call point LT, LV, ET (surface mount)
(*) Aritech DM2010Y-4 Yellow manual call point ES, PT, IT (surface mount)
Aritech DM2080I Red manual call point with isolator   *manufactured at Seefeld (Germany)*
(*) Aritech DM2080BI - Blue manual call point with isolator Blue=Hausealarm   *manufactured at Seefeld (Germany)*
Aritech DM201006-KIT Red manual call point for Sweden (surface mount)   *manufactured at Worcestershire (UK)*
 (*) Comply with EN 54-11 except for the clause 4.7.2.3. (colours)

all these tested components are of type1 following the EN54-13 standard

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ANNEX 3 TO THE CERTIFICATE N° TCC2 – 907

The certificate delivered on 28th of October 2011 to the company:

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And also of the following components:

Sounders

Aritech AS2363 Loop-powered red multitone sounder (shallow base)	*manufactured at Lancashire (UK)*
variant: Aritech AS2363W Loop-powered white multitone sounder (shallow base)	
Aritech AS2364 Loop-powered red multitone sounder with (deep base)	*manufactured at Lancashire (UK)*
variant: Aritech AS2364W Loop-powered white multitone sounder (deep base)	
Aritech AS2366 Loop-powered red multitone sounder beacon (shallow base)	*manufactured at Lancashire (UK)*
variant:	
Aritech AS2366W Loop-powered white multitone sounder beacon (shallow base)	
Aritech AS2366WY Loop-powered white/amber multitone sounder beacon (shallow base)	
Aritech AS2367 Loop-powered red multitone sounder beacon (deep base)	*manufactured at Lancashire (UK)*
variant:	
Aritech AS2367W White multitone sounder beacon (deep base)	
Aritech AS2367WY White/amber multitone sounder beacon (deep base)	

Sounders and bells

Edwards AS363 Red multitone sounder (shallow base)	*manufactured at Lancashire (UK)*
variant: Edwards AS363W White multitone sounder (shallow base)	
Edwards AS364 Red multitone sounder with (deep base)	*manufactured at Lancashire (UK)*
variant: Edwards AS364W White multitone sounder (deep base)	
Edwards AS366 Red multitone sounder beacon (shallow base)	*manufactured at Oldham (UK)*
variant: Edwards AS366W White multitone sounder beacon (shallow base)	
Edwards AS367 Red multitone sounder beacon (deep base)	*manufactured at Lancashire (UK)*
variant: Edwards AS367W White multitone sounder beacon (deep base)	
Edwards AS368 Red multitone sounder base	*manufactured at Shenzhen (China)*
variant: Edwards AS368W White multitone sounder base	
Edwards AS371 Red sounder beacon for outdoor use (high output, English)	*manufactured at Oldham (UK)*
variants:	
Edwards AS371-09 Red sounder beacon for outdoor use (high output, Spanish)	
Edwards AS371-21 Red sounder and beacon for outdoor use (high output, Portuguese)	
Edwards BExS110D (UTC reference. AS374)	*manufactured at London (UK)*
Red multitone horn sounder for hazardous areas	
Edwards IS-mA1 (UTC reference. AS372) Intrinsically safe red multitone sounder	*manufactured at London (UK)*
Edwards AS376 Red multitone sounder (high output)	*manufactured at Lancashire (UK)*
Edwards AS377 Red multitone sounder beacon (high output)	*manufactured at Lancashire (UK)*
Edwards AB360 6" fire bell for indoor use (24 VDC)	*manufactured at Shenzhen (China)*
variant: Edwards AB360-06 Fire bell for indoor use (24VDC, Swedish)	*manufactured at Shenzhen (China)*
Edwards AB380E 8" fire bell for outdoor use (24 VDC)	*manufactured at Shenzhen (China)*

all these tested components are of type1 following the EN54-13 standard

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M. Vandendoren

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ANNEX 4 TO THE CERTIFICATE N° TCC2 – 907

The certificate delivered on 28th of October 2011 to the company:

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And also of the following components:

Conventional Beacons
Edwards FA350 Xenon beacon (shallow base, red lens)   *manufactured at Haslingden (UK)*
variants:
Edwards FA350WRC LED beacon (shallow white base, red flash, clear lens)
Edwards FA350WY shallow white base, yellow lens
Edwards FA350Y LED beacon (shalow red base, yellow lens)
Edwards FA355 LED beacon (deep red base, red lens)   *manufactured at Haslingden (UK)*
variants:
Edwards FA355WRC LED beacon (deep white base, red flash, clear lens)
Edwards FA355WY LED beacon (deep white base, yellow lens)
Modules
Aritech IO2014C Input module with IO-2BOX (4 inputs)   *manufactured at Shanghai (China)*
Aritech IO2031C I/O module with IO-2BOX (2 inputs, 1 output)
variant: Aritech IO2032C I/O module with IO-2BOX (2 inputs, 2 outputs)   *manufactured at Shanghai (China)*
Aritech IO2034C I/O module with IO-2BOX (4 inputs, 4 output)   *manufactured at Shanghai (China)*
Aritech IU2050C Single input module with protective housing   *manufactured at Shanghai (China)*
Aritech IU2055C Zone monitor unit with IO-2BOX (1 zone)   *manufactured at Shanghai (China)*
Aritech IU2080C Sounder module with IO-2BOX   *manufactured at Shanghai (China)*
Aritech ISM-95 Standalone loop isolator-module ICC   *manufactured at Seefeld (Germany)*

all these tested components are of type 1 following the EN54-13 standard

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Brussels, 28ᵗʰ of October 2011

The General Secretary
M. Vandendoren

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ANNEX 5 TO THE CERTIFICATE N° TCC2 – 907

The certificate delivered on 28th of October 2011 to the company:

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And also of the following components:

Other Products-ICC

Aritech AI672 Optical Remote Indicator	*manufactured at Tainan (Taiwan, China)*
Aritech AI673 Optical and Acoustic Remote Indicator	*manufactured at Tainan (Taiwan, China)*

Door Holders

Edwards GTR048000A01 (UTC reference FE235) door holder (square base)	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A03 (UTC reference FE240) door holder (flush mount)	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A06 (UTC reference FE245) door holder with release button (wall mount)	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A07(UTC reference FE230) door holder with release button (surface mount)	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A10 X 176 (UTC reference FE260-175) door holder with universal adjustable tube and release button 175 mm)	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A10 X 323 (UTC reference FE260-325) door holder with universal adjustable tube and release button 325 mm	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A10 X 473 (UTC reference FE260-475) door holder with universal adjustable tube and release button 475 mm	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A12 (UTC reference FE250) door holder with release button (floor mount)	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A13 (UTC reference FE280) door holder magnet	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A14 (UTC reference FE285) door holder magnet	*manufactured at Inzigkofen (Germany)*
Edwards GTR048000A08 (UTC reference FE290) door holder, surface mount, , mains powered	*manufactured at Inzigkofen (Germany)*
Edwards GT050R005-200 (UTC reference FE527) standard Anchorplate for FE500 series magnets	*manufactured at Inzigkofen (Germany)*
Edwards GT050R007-200 (UTC reference FE528) door holder magnet	*manufactured at Inzigkofen (Germany)*
Edwards GT050R006-200 (UTC reference FE529) Swivel anchorplate for FE500 series doormagnets	*manufactured at Inzigkofen (Germany)*
Edwards GT050R002.01 (UTC reference FE531) door magnet with Gound Plate	*manufactured at Inzigkofen (Germany)*
Edwards GT050R060.01 (UTC reference FE550) door-magnet, Floormount	*manufactured at Inzigkofen (Germany)*
Edwards GT050R079.01 (UTC reference FE570) universal door magnet, Adjustable	*manufactured at Inzigkofen (Germany)*
Edwards GT050R080.01 (UTC reference FE560) door holder, universal adjustable tube, VDS magnet	*manufactured at Inzigkofen (Germany)*

all these tested components are of type 2 following the EN54-13 standard

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Brussels, 28th of October 2011

The General Secretary
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ANNEX 6 TO THE CERTIFICATE N° TCC2 – 907

The certificate delivered on the 28th of October 2011 to the company:

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take into account for the CONTROL AND INDICATING EQUIPMENT ARITECH SERIES 2010-2 *with the optional functions of the EN54-2/A1:2006 (options with requirements)*:
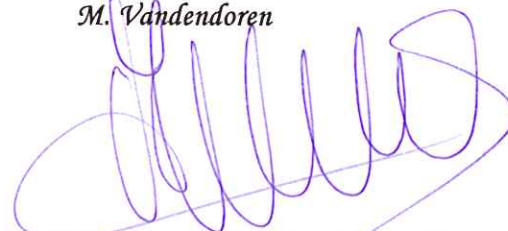
Options with requirements for types:	2X-F1, 2X-F1-S, 2X-F2, 2X-F2-S
7.8	Output to fire alarm devices (output to C)
7.11	Delays to outputs
7.12.1	Dependencies on more than one alarm signal (type A)
7.12.2	Dependencies on more than one alarm signal (type B)
7.12.3	Dependencies on more than one alarm signal (type C)
7.13	Alarm counter
8.4	Total loss of the power supply
8.9	Output to fault warning routing equipment (output to J)
9.5	Disablement of addressable points
10.	Test conditions
10.1	General requirements
10.2	Indication of the test condition
10.3	Indication of zones in the test state

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Brussels, the 28th of October 2011

27nd of October 2014

The General Secretary
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ANNEX 7 TO THE CERTIFICATE N° TCC2 – 907

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take into account for the CONTROL AND INDICATING EQUIPMENT ARITECH SERIES 2010-2 *with the optional functions of the EN54-2/A1:2006 (options with requirements):*

Options with requirements for types: 2X-F1-FB, 2X-F1-FB-S , 2X-F1-SC, 2X-F1-SC-S, 2X-F2-FB, 2X-F2-FB-S, 2X-F2-SC, 2X-F2-SC-S	
7.8	Output to fire alarm devices (output to C)
7.9.1	Output to fire alarm routing equipment (output to E)
7.9.2	Alarm confirmation input from fire alarm routing equipment (input to E)
7.10.1	Output to fire protection equipment (output G - type A)
7.10.2	Output to fire protection equipment (output G - type B)
7.10.3	Output to fire protection equipment (output G -type C)
7.11	Delays to outputs
7.12.1	Dependencies on more than one alarm signal (type A)
7.12.2	Dependencies on more than one alarm signal (type B)
7.12.3	Dependencies on more than one alarm signal (type C)
7.13	Alarm counter
8.4	Total loss of the power supply
8.9	Output to fault warning routing equipment (output to J)
9.5	Disablement of addressable points
10.	Test conditions
10.1	General requirements
10.2	Indication of the test condition
10.3	Indication of zones in the test state

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ANNEX 8 TO THE CERTIFICATE N° TCC2 – 907

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take into account for the CONTROL AND INDICATING EQUIPMENT ARITECH SERIES 2010-2 *with the optional functions of the EN54-2/A1:2006 (options with requirements):*

Options with requirements for repeaters to connect in a network with above mentioned control and indicating equipment types. Repeater types: **2X-FR, 2X-FR-FB, 2X-FR-SC, 2X-FR-S, 2X-FR-FB-S, 2X-FR-SC-S**	
7.13	*Alarm counter*
8.4	*Total loss of the power supply*
8.9	*Output to fault warning routing equipment (output to J)*

(*) Available with the following language kits see 2-digits after each modeltype:
Dutch (Holland) 01, French 02, English 03, German 04, Norwegian 05, Swedish 06, Danish 07, Spanish 09, Italian 10, Dutch (Belgium) 11, Greek 14, Arabic 15, Polish 18, Turkish 19, Czech 20, Portuguese 21, Hungarian 22, Icelandic 23, Slovakian 24, Russian 25, Lithuanian 27, Finish 28, Estonian 30, Latvian 31, French (Belgium) 32, French (International) 36, Bulgarian 40, Serbian (Latin) 44, Romanian 45, German (International) 46, Croatian 48, Slovene 50, Hebrew 51, Catalan 71, English (International) 99

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