



Applus+ Certified Product

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

APPLICANT

Detnov Security, S.L.

C/ De la Ciència, 30
08840 Viladecans (Barcelona) Spain

Produced at the manufacturing plant

C/ De la Ciència, 30
08840 Viladecans (Barcelona) Spain

PRODUCT

CAD-150 Addressable fire alarm control and indication system

APPLICABLE REGULATION

EN 54-13:2005 "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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Conformity Assessment

Applus+
certification

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Certificate

Technical Annex

Components description list for system CAD-150 EN 54-13					
Type of device	Brand	Model	Type	EN 54 Part	FW version
1 loop addressable control panel	DETNOV	CAD-150-1-MINI	1	EN 54-2, EN 54-4	CAD_151_V2
1 loop addressable control panel	DETNOV	CAD-150-1	1	EN 54-2, EN 54-4	CAD_151_V2
2 loops addressable control panel	DETNOV	CAD-150-2	1	EN 54-2, EN 54-4	CAD_151_V2
Bidirectional addressable repeater	DETNOV	CAD-150-R	1	EN 54-2, EN 54-4	CAD_151_V2
2 loops addressable control panel	DETNOV	CAD-150-2-MB	1	EN 54-2, EN 54-4	CAD_151_V2
2 loops addressable control panel with printer	DETNOV	CAD-150-2-MB-P	1	EN 54-2, EN 54-4	CAD_151_V2
4 loops addressable control panel	DETNOV	CAD-150-4	1	EN 54-2, EN 54-4	CAD_152_V2
4 loops addressable control panel	DETNOV	CAD-150-4-P	1	EN 54-2, EN 54-4	CAD_152_V2
4 loops addressable control panel	DETNOV	CAD-150-4-RACK	1	EN 54-2, EN 54-4	CAD_152_V2
4 loops addressable control panel with printer	DETNOV	CAD-150-4-RACK-P	1	EN 54-2, EN 54-4	CAD_152_V2
4 up to 8 loops addressable control panel	DETNOV	CAD-150-8	1	EN 54-2, EN 54-4	CAD_152_V2
4 up to 8 loops addressable control panel	DETNOV	CAD-150-8-P	1	EN 54-2, EN 54-4	CAD_152_V2
4 up to 8 loops addressable control panel	DETNOV	CAD-150-8-PLUS	1	EN 54-2, EN 54-4	CAD_152_V2
4 up to 8 loops addressable control panel with printer	DETNOV	CAD-150-8-PLUS-P	1	EN 54-2, EN 54-4	CAD_152_V2
2 loops expansion card	DETNOV	TBUD-150	1	EN 54-2, EN 54-4	-
Addressable smoke detector	DETNOV	DOD-220A	1	EN 54-7	OPT_V1
Addressable heat detector	DETNOV	DTD-210A	1	EN 54-5	HEAT_V1
Addressable heat detector	DETNOV	DTD-215A	1	EN 54-5	HIGH_HEAT_V1
Addressable smoke and heat detector	DETNOV	DOTD-230A	1	EN 54-5, EN 54-7	OPT_HEAT_V1
Addressable input/output devices	DETNOV	MAD-401	1	EN 54-18	ONE_INPUT_V1
Addressable input/output devices	DETNOV	MAD-402	1	EN 54-18	TWO_INPUT_V1
Addressable input/output devices	DETNOV	MAD-411	1	EN 54-18	ONE_OUTPUT_V1
Addressable input/output devices	DETNOV	MAD-412	1	EN 54-18	TWO_OUTPUT_V1
Addressable input/output devices	DETNOV	MAD-421	1	EN 54-18	ONE_INPUT_ ONE_OUTPUT_V1
Addressable input/output devices	DETNOV	MAD-422	1	EN 54-18	TWO_INPUT_ TWO_OUTPUT_V1
Addressable input/output devices	DETNOV	MAD-431	1	EN 54-18	ONE_SOUNDER_V1
Addressable input/output devices	DETNOV	MAD-432	1	EN 54-18	TWO_SOUNDER_V1

Components description list for system CAD-150 EN 54-13					
Type of device	Brand	Model	Type	EN 54 Part	FW version
Addressable input/output devices	DETNOV	MAD-441	1	EN 54-18	TWO_ZONE_V1
Addressable input/output devices	DETNOV	MAD-442	1	EN 54-18	ONE_ZONE_V1
Addressable Short circuit isolator	DETNOV	MAD-490	1	EN 54-17	-
Addressable manual call point	DETNOV	MAD-450	1	EN 54-11	MCP_V1
Addressable sounder	DETNOV	MAD-472	1	EN 54-3	SOUNDER_FLAS H_V1
Addressable sounder and beacon	DETNOV	MAD-473	1	EN 54-3	SOUNDER_FLAS H_V1
Addressable smoke detector with short circuit isolator	DETNOV	DOD-220A-I	1	EN 54-7, EN 54-17	OPT_ISO_V1
Addressable heat detector with short circuit isolator	DETNOV	DTD-210A-I	1	EN 54-5, EN 54-17	HEAT_ISO_V1
Addressable heat detector with short circuit isolator	DETNOV	DTD-215A-I	1	EN 54-5, EN 54-17	HIGH_HEAT_I SO_V1
Addressable smoke and heat detector with short circuit isolator	DETNOV	DOTD-230A-I	1	EN 54-5, EN 54-7, EN 54-17	OPT_HEAT_IS O_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-401-I	1	EN 54-17, EN 54-18	ONE_INPUT_I SO_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-402-I	1	EN 54-17, EN 54-18	TWO_INPUT_ISO _V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-411-I	1	EN 54-17, EN 54-18	ONE_OUTPUT_IS O_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-412-I	1	EN 54-17, EN 54-18	TWO_OUTPUT_IS O_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-421-I	1	EN 54-17, EN 54-18	ONE_INPUT_ONE _V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-422-I	1	EN 54-17, EN 54-18	TWO_INPUT_TW O_OUTPUT_ISO _V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-431-I	1	EN 54-17, EN 54-18	ONE_SOUNDER_I SO_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-432-I	1	EN 54-17, EN 54-18	TWO_SOUNDER_ ISO_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-441-I	1	EN 54-17, EN 54-18	TWO_ZONE_ISO_ V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-442-I	1	EN 54-17, EN 54-18	ONE_ZONE_ISO_ V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-429-I	1	EN 54-17, EN 54-18	MAD-429-I_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-425-I	1	EN 54-17, EN 54-18	MAD-425-I_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-409-I	1	EN 54-17, EN 54-18	MAD-409-I_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-419-I	1	EN 54-17, EN 54-18	MAD-419-I_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-405-I	1	EN 54-17, EN 54-18	MAD-405-I_V1
Addressable input/output devices with short circuit isolator	DETNOV	MAD-415-I	1	EN 54-17, EN 54-18	MAD-415-I_V1
Addressable manual call point with short circuit isolator	DETNOV	MAD-450-I	1	EN 54-11, EN 54-17	MCP_ISO_V1
Addressable manual call point with short circuit isolator	DETNOV	MAD-451-I	1	EN 54-11, EN 54-17	MAD-451-I_V1

Components description list for system CAD-150 EN 54-13					
Type of device	Brand	Model	Type	EN 54 Part	FW version
Addressable sounder with short circuit isolator	DETNOV	MAD-461-I	1	EN 54-3, EN 54-17	SOUNDER_FLAS H_ISO_V1
Addressable sounder with short circuit isolator	DETNOV	MAD-464-I	1	EN 54-3, EN 54-17	SOUNDER_FLAS H_ISO_V1
Addressable sounder and beacon with short circuit isolator	DETNOV	MAD-465-I	1	EN 54-3, EN 54-17	SOUNDER_FLAS H_ISO_V1
Connection base	DETNOV	Z-200	1		-
Connection base	DETNOV	Z-200-H	2		-
Connection base	DETNOV	STD-200	1		-
Net & printer card for control panel	DETNOV	TRED-150	2		-
Net card / RS485 ModBus	DETNOV	TMB-151	2		-
Fiber optic network communication and Modbus output card for networking	DETNOV	TMBFI-151	2		-
Net card / RS485 ModBus	DETNOV	TMB-251	2		-
Fiber optic network communication and Modbus output card for networking	DETNOV	TMBFI-251	2		-
Communication card for control panel	DETNOV	TED-151-CL	2		-
Addressable loop gateway for conventional panel	DETNOV	TPLD-100	2		-
Bidirectional addressable repeater	DETNOV	RAD-150	2		-
Graphical addressable repeater	DETNOV	RTD-150W	2		-
Graphical addressable repeater	DETNOV	RTD-150T	2		-
Graphical addressable repeater	DETNOV	RTD-150E	2		-
Addressable and standalone gas detectors	DETNOV	DGD-600	2		-
Addressable and standalone gas detectors	DETNOV	DGD-620	2		-
Addressable and standalone gas detectors	DETNOV	DGD-600-AC	2		-
Addressable and standalone gas detectors	DETNOV	DGD-620-AC	2		-
Conventional control panel with 2 zones	DETNOV	CCD-102	1	EN 54-2, EN 54-4	CNV_02Z_V2
Conventional Extinguishant control panel	DETNOV	CCD-103	1	EN 54-2, EN 54-4, EN 12094-1	CNV_03Z_V1
Conventional control panel with 4 zones	DETNOV	CCD-104	1	EN 54-2, EN 54-4	CNV_04Z_V2
Conventional control panel with 8 zones	DETNOV	CCD-108	1	EN 54-2, EN 54-4	CNV_08Z_V2
Conventional control panel with 12 zones	DETNOV	CCD-112	1	EN 54-2, EN 54-4	CNV_12Z_V2
Conventional smoke detector	DETNOV	DOD-220	1	EN 54-7	OPT_CVN_V1
Conventional heat detector	DETNOV	DTD-210	1	EN 54-5	-
Conventional heat detector	DETNOV	DTD-215	1	EN 54-5	-
Conventional smoke and heat detector	DETNOV	DOTD-230	1	EN 54-5, EN 54-7	OPT_HEAT_CNV_ V1
Conventional sounder	DETNOV	SCD-100	1	EN 54-3	-

Components description list for system CAD-150 EN 54-13					
Type of device	Brand	Model	Type	EN 54 Part	FW version
Conventional manual call point	DETNOV	PCD-100	1	EN 54-11	-
Conventional light beam detector	THE FIRE BEAM	FIREBEAM PLUS	1	EN 54-12	-
Connection base	DETNOV	Z-200-R	1		-
Conventional sounder	DETNOV	SCD-200 (VTG-32E-SB-R)	1	EN 54-3	-
Conventional sounder	DETNOV	SCD-210 (VTG-32E-DB-R)	1	EN 54-3	-
Conventional sounder	DETNOV	SFD-220 (VTB-32E-SB RB-RL)	1	EN 54-3	-
Conventional sounder	DETNOV	SFD-230 (VTB-32E-DB-RB/RL)	1	EN 54-3	-
Conventional sounder and beacon	DETNOV	SFD-221C (VTB-32EVAD C SB RB WF)	1	EN 54-3, EN 54-23	-
Conventional sounder and beacon	DETNOV	SFD-231C (VTB-32EVAD C DB RB WF)	1	EN 54-3, EN 54-23	-
Conventional sounder and beacon	DETNOV	SFD-221W (VTB-32EVAD W SB RB WF)	1	EN 54-3, EN 54-23	-
Conventional sounder and beacon	DETNOV	SFD-231W (VTB-32EVAD W DB RB WF)	1	EN 54-3, EN 54-23	-
Conventional beacon	DETNOV	PED-221C (VXB-1EVAD C SB RB WF)	1	EN 54-23	-
Conventional beacon	DETNOV	PED-231C (VXB-1EVAD C DB RB WF)	1	EN 54-23	-
Conventional beacon	DETNOV	PED-221W (VXB-1EVAD W SB RB WF)	1	EN 54-23	-
Conventional beacon	DETNOV	PED-231W (VXB-1EVAD W DB RB WF)	1	EN 54-23	-
Conventional alarm bell 6"	VIMPEX	MBF-6EV-24	1	EN 54-3	-
Conventional alarm bell 6"	VIMPEX	MBF-6EV-BBX4	1	EN 54-3	-
Conventional light indicator w/sounder	AVOTEC	DOA FJ/CPD	1	EN 54-3	-
Conventional light indicator w/sounder	AVOTEC	DOA K	1	EN 54-3, EN 54-23	-
Conventional light indicator w/sounder	AVOTEC	DOA K/WP	1	EN 54-3, EN 54-23	-
Remote indicator	DETNOV	PAD-10	2		-
Electromagnetic holder surface mounting	KENDRION	RED-100 (GTR048000A07)	2		-
Electromagnetic holder surface mounting	KENDRION	RED-110 (GTR048000A01)	2		-
Electromagnetic holder flush mounting	KENDRION	RED-120 (GTR048000A03)	2		-
Electromagnetic holder surface mounting	KENDRION	RED-130 (GTR048000A06)	2		-
Electromagnetic holder floor mounting	KENDRION	RED-140 (GTR048000A07 + SOP)	2		-
Electromagnetic holder wall mounting	KENDRION	RED-150 (GTR048000A10)	2		-

Components description list for system CAD-150 EN 54-13					
Type of device	Brand	Model	Type	EN 54 Part	FW version
Electromagnetic lock	OPENERS & CLOSERS	MEX-400	2		-
Electromagnetic lock	OPENERS & CLOSERS	MEX-430	2		-
Electromagnetic lock	OPENERS & CLOSERS	MEX-530	2		-
Electromagnetic lock	OPENERS & CLOSERS	MEX-500	2		-
Power supply	VENITEM	TUL373 EN	1	EN 54-4	-
Power supply	VENITEM	TUL375 EN	1	EN 54-4	-
Buzzer for addressable connection base	DETNOV	BUD-200	2		-
Wireless module	ARGUS	SGCWE	1	EN 54-18, EN 54-25	-
Wireless amplifier module	ARGUS	SGWE	1	EN 54-18, EN 54-25	-
Wireless smoke detector	ARGUS	SG100	1	EN 54-7, EN 54-25	-
Wireless heat and smoke detector	ARGUS	SG200	1	EN 54-5, EN 54-7, EN 54-25	-
Wireless heat detector	ARGUS	SG350	1	EN 54-5, EN 54-25	-
Wireless manual call point	ARGUS	SGCP100	1	EN 54-11, EN 54-25	-
Wireless input module	ARGUS	SGMI200	1	EN 54-18, EN 54-25	-
Wireless output module	ARGUS	SGMCB200	1	EN 54-18, EN 54-25	-
Wireless sounder base	ARGUS	SGRBS100	1	EN 54-3, EN 54-25	-
Wireless sounder base w/flash	ARGUS	SGRBS100-AV	1	EN 54-3, EN 54-25	-
Wireless sounder base	ARGUS	KIT SCW100	1	EN 54-3	-
Wireless sounder base w/flash	ARGUS	KIT SCW100-AV	1	EN 54-3, EN 54-23	-
Wireless remote indicator	ARGUS	SGFI200-S	1		-
Camera for ventilation duct detectors installation	DETNOV	DCON-DC700 (FDD-710)	2		-
Conventional flame detector	TALENTUM	DLL-IR2 (16581)	2	EN 54-10	-
Conventional flame detector	TALENTUM	DLL-IR2IS (16571)	1	EN 54-10	-
Conventional flame detector	TALENTUM	DLL-IR2EX (16511)	1	EN 54-10	-
Conventional flame detector	TALENTUM	DLL-IR3 (16589)	1	EN 54-10	-
Conventional flame detector	TALENTUM	DLL-IR3IS (16579)	1	EN 54-10	-
Conventional flame detector	TALENTUM	DLL-IR3EX (16519)	1	EN 54-10	-
Conventional flame detector	TALENTUM	DLL-UVIR (16591)	1	EN 54-10	-
Conventional flame detector	TALENTUM	DLL-UVIREX (16521)	1	EN 54-10	-
Aspiration smoke detector	SECURITON	ASD-531	1	EN 54-20	-

**Components description list for system
 CAD-150 EN 54-13**

Type of device	Brand	Model	Type	EN 54 Part	FW version
Aspiration smoke detector	SECURITON	ASD-532	1	EN 54-20	-
Aspiration smoke detector	SECURITON	ASD-535-1	1	EN 54-20	-
Aspiration smoke detector	SECURITON	ASD-535-2	1	EN 54-20	-
Aspiration smoke detector	SECURITON	ASD-535-3	1	EN 54-20	-
Aspiration smoke detector	SECURITON	ASD-535-4	1	EN 54-20	-
Conventional light beam detector	FIRERAY	FIRERAY ONE	1	EN 54-12	-
Conventional light beam detector	FIRERAY	F5000R	1	EN 54-12	-
Conventional light beam detector	FIRERAY	F3000R	1	EN 54-12	-
Conventional light beam detector	FIRERAY	F3000-EXD	1	EN 54-12	-
Conventional flame detector	TALENTUM	DCH-IR (16580)	1	EN 54-10	-
Conventional flame detector	TALENTUM	DCH-IRIS (16570)	1	EN 54-10	-