



APPLUS - LGAI as CertAlarm CCB and RTL

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Annex A1: Fire & Life Safety Alarm Systems Products / EN standards

Standard	Title / Product	CCB status	RTL status
		operational	operational
EN 54-2:1997 + AC:1999 + A1:2006	Control and indicating equipment		
EN 54-3:2001 + A1:2002 + A2:2006	Fire alarm devices - Sounders		
EN 54-4:1997 + AC:1999 + A1:2002 + A2:2006	Power supply equipment		
EN 54-5:2000 + A1:2002	Heat detectors – point detectors		
EN 54-7:2000 + A1:2002 + A2:2006	Smoke detectors – point detectors using scattered light, transmitted light or ionization		
EN 54-10:2002 + A1:2005	Flame detectors – point detectors		
EN 54-11:2001 + A1:2005	Manual call points		
EN 54-12:2015	Smoke detectors – line detectors using an optical beam		
EN 54-16:2008	Voice alarm control and indicating equipment		
EN 54-17:2005 + AC:2007	Short-circuit isolators		
EN 54-18:2005 + AC:2007	Input/Output devices		
EN 54-20:2006 + AC:2008	Aspirating smoke detectors		
EN 54-21:2006	Fire alarm transmission systems and fault warning routing equipment		
EN 54-22:2015	Resettable line-type heat detectors		
EN 54-23:2010	Visual alarm devices		
EN 54-24:2008	Components of voice alarm systems - loudspeakers		
EN 54-25:2008 + AC:2012	Components using radio links		
EN 54-26:2015	Carbon monoxide detectors - Point detectors		
EN 54-27:2015	Duct smoke detectors		
EN 54-29:2015	Multi-sensor fire detectors - Point detectors using a combination of smoke and heat sensors		
EN 54-30:2015	Multi-sensor fire detectors - Point detectors using a combination of carbon monoxide and heat sensors		
EN 54-31:2014 + A1:2016	Multi sensor fire detectors – Point detectors using a combination of smoke, carbon monoxide and optionally heat detectors		
EN 14604:2005 + AC:2008	Smoke alarm devices		
EN 12094-1:2003	Components for gas extinguishing systems – electrical automatic control and delay device		

EN 12094-3:2003	Components for gas extinguishing systems – manual triggering and stop devices		
EN 50291-1:2010 + A1:2012	CO detectors for domestic premises		
EN 50291-2:2010	CO detectors for recreational vehicles		

Annex A2: Fire & Life Safety Alarm Systems Products / ISO standards

Standard	Title / Product	CCB status	RTL status
		operational	operational
ISO 7240-2:2003	Part 2: Control and indicating equipment		
ISO 7240-3:2010	Part 3: Audible alarm devices		
ISO 7240-4:2003	Part 4: Power supply equipment		
ISO 7240-5:2012	Part 5: Point-type heat detectors		
ISO 7240-6:2011	Part 6: Carbon monoxide fire detectors using electro-chemical cells		
ISO 7240-7:2011	Part 7: Point-type smoke detectors using scattered light, transmitted light or ionization		
ISO 7240-8:2014	Part 8: Point-type fire detectors using a carbon monoxide sensor in combination with a heat sensor		
ISO 7240-10:2012	Part 10: Point-type flame detectors		
ISO 7240-11:2011	Part 11: Manual call points		
ISO 7240-12:2014	Part 12: Line type smoke detectors using a transmitted optical beam		
ISO 7240-15:2014	Part 15: Point-type fire detectors using smoke and heat sensors		
ISO 7240-16:2007	Part 16: Sound system control and indicating equipment		
ISO 7240-17:2009	Part 17: Short-circuit isolators		
ISO 7240-18:2009	Part 18: Input/output devices		
ISO 7240-20:2010	Part 20: Aspirating smoke detectors		
ISO 7240-21:2005	Part 21: Routing equipment		
ISO 7240-22:2007	Part 22: Smoke-detection equipment for ducts		
ISO 7240-23:2013	Part 23: Visual alarm devices		
ISO 7240-24:2016	Part 24: Sound-system loudspeakers		
ISO 7240-25:2010	Part 25: Components using radio transmission paths		
ISO 7240-27:2009	Part 27: Point-type fire detectors using a scattered-light, transmitted-light or ionization smoke sensor, an electrochemical-cell carbon-monoxide sensor and a heat sensor		
ISO 7240-28:2014	Part 28: Fire protection control equipment		
ISO 12239:2010	Smoke alarms using scattered light, transmitted light or ionization		

Annex A3: Fire & Life Safety Alarm Systems / EN standard or specification

Standard	Title / Product	CCB status	RTL status
		operational	operational
EN 54-13:2005	Fire detection and fire alarm systems (compatibility assessment of system components)		

Annex A4: CLC/TC79: Alarm Systems - Intrusion & Hold-up Alarm Systems

Standard	Title / Product	CCB status	RTL status
		operational	operational
EN 50130-4:2011/A1:2014	Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems		
EN 50130-5:2011	Alarm systems - Part 5: Environmental test methods		
EN 50131-1:2006/prA2:2015	Intrusion and hold-up systems - Part 1: Systems Requirements		
EN 50131-2-2:2008/IS1:2014	Intrusion and hold-up systems - Part 2-2: Intrusion detectors - Passive infrared detectors		
EN 50131-2-3:2008/IS1:2014	Intrusion and hold-up systems - Part 2-3: Requirements for Microwave detectors		
EN 50131-2-4:2008/IS1:2014	Alarm systems - Intrusion and hold-up systems - Part 2-4: Requirements for combined passive infrared and microwave detectors		
EN 50131-2-5:2008/IS1:2014	Intrusion and hold-up systems - Part 2-5: Requirements for combined passive infrared and ultrasonic detectors		
EN 50131-2-6:2008/IS1:2014	Intrusion and hold-up systems - Part 2-6: Opening contacts (magnetic)		
EN 50131-2-7-1:2012/A2:2016	Intrusion and hold-up systems - Part 2-7-1: Intrusion detectors - Glass break detectors (acoustic)		
EN 50131-2-7-2:2012/A2:2016	Intrusion and hold-up systems - Part 2-7-2: Intrusion detectors - Glass break detectors (passive)		
EN 50131-2-7-3:2012/A2:2016	Intrusion and hold-up systems - Part 2-7-3: Intrusion detectors - Glass break detectors (active)		
TS 50131-2-8:2012/IS1:2014	Intrusion and hold-up systems - Part 2-8: Intrusion detectors - Shock detectors		
CLC/FprTS 50131-2-9:2013	Alarm systems - Intrusion and hold-up systems - Part 2-9: Intrusion detectors - Active infrared beam detectors		
TS 50131-2-10:2014	Intrusion and hold-up systems - Part 2-10: Intrusion detectors - Lock state contacts (magnetic)		
EN 50131-3:2009	Intrusion and hold-up systems - Part 3: Control and indicating equipment		
EN 50131-4:2009	Intrusion and hold-up systems - Part 4: Warning devices		
CLC/FprTS 50131-5-1	Alarm systems - Intrusion systems - Part 5-1: Interconnections - Requirements for wired Interconnection for I&HAS equipments located in supervised premises		

prEN 50131-5-3:2015	Intrusion systems - Part 5-3: Requirements for interconnections equipment using radio frequency techniques		
EN 50131-6:2008/A1:2014	Intrusion and hold-up systems - Part 6: Power supplies		
TS 50131-7:2010	Intrusion and hold-up systems - Part 7: Applications guidelines		
EN 50131-8:2009	Security fog devices and systems		
TS 50131-9:2014	Intrusion and hold-up systems - Part 9: Alarm verification - Methods and principles		
EN 50131-10: 2014	Application specific requirements for Supervised Premises Transceiver (SPT)		
TS 50131-11:2012/IS1:2014	Intrusion and hold-up systems - Part 11: Hold-up devices		

Annex A5: IEC/TC79: Alarm and electronic security systems

Standard	Title / Product	CCB status	RTL status
		operational	operational
IEC /TC79 / Alarm Transmission Systems			
IEC 60839-5-1:2014	Alarm and electronic security systems - Part 5-1: Alarm transmission systems - General requirements		
IEC 60839-5-2:2016	Alarm and electronic security systems - Part 5-2: Alarm transmission systems - Requirements for supervised premises		
IEC 60839-5-3:2016	Alarm and electronic security systems - Part 5-3: Alarm transmission systems - Requirements for receiving centre transceiver		
IEC /TC79 / Electronic Acces Control Systems			
IEC 60839-11-1:2013	Alarm and electronic security systems - Part 11-1: Electronic access control systems - System and components requirements		
IEC 60839-11-2:2014	Alarm and electronic security systems - Part 11-2: Electronic access control systems - Application guidelines		
IEC /TC79 / Enviromental test methods			
IEC 62599-1:2010	Alarm systems - Part 1: Environmental test methods		
IEC 62599-2:2010	Alarm systems - Part 2: Electromagnetic compatibility - Immunity requirements for components of fire and security alarm		
IEC /TC79 / Intrusion & Hold-up systems			
IEC 62642-1:2010	Alarm systems - Intrusion and hold-up systems - Part 1: System requirements		
IEC 62642-2-2:2010	Alarm systems - Intrusion and hold-up systems - Part 2-2: Intrusion detectors - Passive infrared detectors		
IEC 62642-2-3:2010	Alarm systems - Intrusion and hold-up systems - Part 2-3: Intrusion detectors - Microwave detectors		
IEC 62642-2-4:2010	Alarm systems - Intrusion and hold-up systems - Part 2-4: Intrusion detectors - Combined passive infrared / Microwave		
IEC 62642-2-5:2010	Alarm systems - Intrusion and hold-up systems - Part 2-5: Intrusion detectors - Combined passive infrared / Ultrasonic		
IEC 62642-2-6:2010	Alarm systems - Intrusion and hold-up systems - Part 2-6: Intrusion detectors - Opening contacts (magnetic)		
IEC 62642-2-71:2015	Alarm systems - Intrusion and hold-up systems - Part 2-71: Intrusion detectors - Glass break detectors (acoustic)		
IEC 62642-2-72:2015	Alarm systems - Intrusion and hold-up systems - Part 2-72: Intrusion detectors - Glass break detectors (passive)		
IEC 62642-2-73:2015	Alarm systems - Intrusion and hold-up systems - Part 2-73: Intrusion detectors - Glass break detectors (active)		

IEC 62642-3:2010	Alarm systems - Intrusion and hold-up systems - Part 3: Control and indicating equipment		
IEC 62642-4:2010	Alarm systems - Intrusion and hold-up systems - Part 4: Warning devices		
IEC 62642-5-3:2010	Alarm systems - Intrusion and hold-up systems - Part 5-3: Interconnections - Requirements for equipment using radio		
IEC 62642-6:2011	Alarm systems - Intrusion and hold-up systems - Part 6: Power supplies		
IEC TS 62642-7:2011	Alarm systems - Intrusion and hold-up systems - Part 7: Application guidelines		
IEC 62642-8:2011	Alarm systems - Intrusion and hold-up systems - Part 8: Security fog device/systems		
IEC /TC79 / Video Surveillance			
IEC 62676-1-1:2013	Video surveillance systems for use in security applications - Part 1-1: System requirements - General	YES ('EN' STANDARD)	
IEC 62676-1-2:2013	Video surveillance systems for use in security applications - Part 1-2: System requirements - Performance requirements for		
IEC 62676-2-1:2013	Video surveillance systems for use in security applications - Part 2-1: Video transmission protocols - General		
IEC 62676-2-2:2013	Video surveillance systems for use in security applications - Part 2-2: Video transmission protocols - IP interoperability		
IEC 62676-2-3:2013	Video surveillance systems for use in security applications - Part 2-3: Video transmission protocols - IP interoperability		
IEC 62676-3:2013	Video surveillance systems for use in security applications - Part 3: Analog and digital video interfaces		
IEC 62676-4:2014	Video surveillance systems for use in security applications - Part 4: Application guidelines		
IEC /TC79 / Social Alarms			
IEC 62851-1:2014	Alarm and electronic security systems - Social alarm systems - Part 1: System requirements		
IEC 62851-2:2014	Alarm and electronic security systems - Social alarm systems - Part 2: Trigger devices		
IEC 62851-3:2014	Alarm and electronic security systems - Social alarm systems - Part 3: Local unit and controller		
IEC 62851-5:2014	Alarm and electronic security systems - Social alarm systems - Part 5: Interconnections and communications		

Annex A6: CLC/TC79: Alarm Systems / Social Alarm Systems

Standard	Title / Product	CCB status	RTL status
		operational	operational
EN 50134-1:2002	Alarm systems - Social alarm systems - Part 1: System requirements		
EN 50134-2:1999	Alarm systems - Social alarm systems - Part 2: Trigger devices		
EN 50134-3:2012/AC:2015	Alarm systems - Social alarm systems - Part 3: Local unit and controller		
EN 50134-5:2004	Alarm systems - Social alarm systems - Part 5: Interconnections and communications		
FprEN 50134-7	Alarm systems - Social alarm systems - Part 7: Application guidelines		

Annex A7: CLC/ TC79: Alarm and electronic security systems / Standards for Electronic Access Control Systems

Standard	Title / Product	CCB status	RTL status
		operational	operational
EN 60839-11-1:2013/AC:2015	Alarm and electronic security systems - Part 11-1: Electronic access control systems - System and components requirements		
EN 60839-11-2:2015/AC:2015	Alarm and electronic security systems - Part 11-2: Electronic access control systems - Application guidelines		
FprEN 60839-11-31:2015	Alarm and electronic security systems - Part 11-31: Electronic access control systems - IP interoperability implementation based on Web services - Core specification		
FprEN 60839-11-32:2015	Alarm and electronic security systems - Part 11-32: Electronic access control systems - IP interoperability implementation based on Web services - Access control specification		

Annex A8: CLC/TC79 : Standards for Video Surveillance Systems for use in Security Applications

Standard	Title / Product	CCB status	RTL status
		operational	operational
EN 62676-1-1:2014/AC:2014	Video surveillance systems for use in security applications - Part 1-1: System requirements - General		
EN 62676-1-2:2014/AC:2015	Video surveillance systems for use in security applications - Part 1-2: System requirements – Performance requirements for video transmission		
EN 62676-2-1:2014	Video surveillance systems for use in security applications - Part 2-1: Video transmission protocols - General requirements		
EN 62676-2-2:2014	Video surveillance systems for use in security applications - Part 2-2: Video transmission protocols - IP interoperability implementation based on HTTP and REST services		
EN 62676-2-3:2014	Video surveillance systems for use in security applications - Part 2-3: Video transmission protocols - IP interoperability implementation based on Web services		
EN 62676-3:2015	Video surveillance systems for use in security applications - Part 3: Analog and digital video interfaces		
EN 62676-4:2015	Video surveillance systems for use in security applications - Part 4: Application guidelines		

Annex A9: CLC/ TC79: Security Intruder & Hold up Alarm System - Alarm Transmission Systems / Products covered by EN or TS

Standard	Title / Product	CCB status	RTL status
		operational	operational
EN 50136-1:2012	General requirements for alarm transmission systems		
EN 50136-2:2013	Requirements for Supervised Premises Transceiver (SPT)		
EN 50136-3:2013	Requirements for Receiving Centre Transceiver (RCT)		
CLC/TS 50136-4:2014	Alarm systems - Alarm transmission systems and equipment - Part 4: Annunciation equipment used in alarm receiving centres		
CLC/TS 50136-7:2004	Alarm systems - Alarm transmission systems and equipment - Part 7: Application guidelines		
CLC/TS 50136-9:2013	Alarm systems - Alarm transmission systems and equipment - Part 9: Requirements for common protocol for alarm transmission using the Internet protocol		
EN 54-21:2006	Fire alarm transmission systems and fault warning routing equipment		

**Annex A10: CLC/TC79: Alarm and Electronic System Systems /
Monitoring and Alarm Receiving Centre**

Standard	Title / Product	CCB status	RTL status
		operational	operational
EN 50518-3:2013	Monitoring and alarm receiving centre - Part 3: Procedures and requirements for operation		
EN 50518-2:2013	Monitoring and alarm receiving centre - Part 2: Technical requirements		
EN 50518-1:2013	Monitoring and alarm receiving centre - Part 1: Location and construction requirements		