AJAX

EN54 LINE

Wireless commercial fire detection and alarm system



FULLY WIRELESS FIRE ALARM SYSTEM FOR COMMERCIAL AND MUNICIPAL BUILDINGS

EN 54 CERTIFIED

EN54 FireProtect (Heat) Jeweller
Wireless point heat detector
Colors:



5-year battery lifespan for detectors

85 dB buzzer

EN54 FireProtect (Smoke) Jeweller
Wireless point smoke detector
Colors:



EN54 FireProtect (Heat/Sounder) Jeweller
Colors:

Wireless point heat detector combined with a fire alarm sounder



EN54 ReX Jeweller
Wireless radio signal range extender for a fire alarm system, supporting intrusion protection devices
Colors:

CIE features
40 zones with LED indication
200 addressable devices
5 range extenders

CIE built-in communicator
Proprietary radio protocol
Ethernet
Wi-Fi
2 × SIM 2G/4G(LTE)

CIE power supply
240 V~ mains
24 or 72-hour battery backup

Built-in radio communicators with a range of up to 1,800 m



EN54 Fire Hub Jeweller
Wireless control and indicating equipment (CIE) for a fire alarm system, supporting intrusion protection devices
Colors:

EN54 FireProtect (VAD) Jeweller
Wireless visual fire alarm device (VAD)
Colors:



EN54 FireProtect (Smoke/Sounder) Jeweller
Colors:

Wireless point smoke detector combined with a fire alarm sounder

Router

5-year battery lifespan for sounders and VADs

Wide coverage range extender can be connected to a CIE via Jeweller radio protocol and Ethernet

EN54 FireProtect (Sounder) Jeweller
Wireless fire alarm sounder
Colors:



100 dB buzzer

EN54 FireProtect (Sounder/VAD) Jeweller
Colors:

Wireless fire alarm sounder combined with a visual alarm device (VAD)



EN54 ReX Jeweller
Wireless radio signal range extender for a fire alarm system, supporting intrusion protection devices
Colors:



ManualCallPoint (Red) Jeweller
Wireless resettable button for manual fire alarm activation featuring programmable scenarios
Colors:



EN54 I/O Module (2X2) Jeweller
Colors:

Wireless module with two inputs and two outputs for a fire alarm system



Up to **5 range extenders** within one system

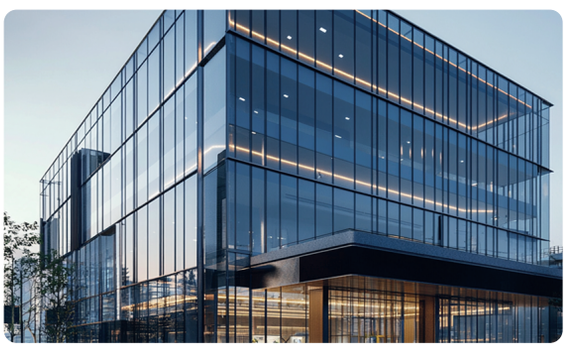
Control and automatic activation
Electric locks
Elevator access control systems
LED emergency evacuation signs
PAVA & VACIE voice evacuation systems

Next-gen solution for all-around protection

EN54 Line is a fully wireless integrated fire detection and alarm system that brings unmatched reliability to commercial and municipal spaces. This solution is quick to deploy, even for large-scale projects. Free mobile and desktop Ajax apps ensure easy setup, management, and remote monitoring — crucial features for effective business.
The touchscreen CIE shows informative fire alarm notifications and, along with the devices, is equipped with built-in communicators. The CIE brings a unique opportunity to combine EN 54 fire detection with EN 50131 intruder alarm, automation, and video surveillance in one system — forever changing the way installation and alarm monitoring businesses can work.

Covering a wide range of sites

- Restaurants and hotels
- Apartment buildings
- Schools and kindergartens
- Offices and business centers
- Shops and boutiques
- Municipal buildings
- Healthcare facilities
- Historical sites



Navigating challenges

- Combining fire alarm, intrusion protection, and video surveillance into a single system
- Compliance with regulatory authorities and insurance requirements
- Limited time for deployment and commissioning
- Installation on leased or temporary sites
- Preservation of historically or culturally significant interiors
- Complicated cable routing or existing infrastructure limitations
- Need for flexibility in system redesign or reconfiguration
- Installation on asbestos-based walls or ceilings







Reliability you can trust. Simplicity you'll love.

Certification

EN 54
fire detection and alarm system

EN 50131 (Grade 2)
intrusion protection system

Wireless range of up to 2,000 m
reliable two-way communication via the Jeweller proprietary protocol

Addressability of each system device
provides real-time device status with detailed updates

EN 54-13 compliance
ensures all components function as one reliable, fault-tolerant system



Touchscreen CIE
large display featuring an intuitive interface for fire alarm and event management

Advanced connectivity with built-in communicators

CIE always stays online via Ethernet, Wi-Fi, and two SIM cards 2G/4G(LTE)

All system devices seamlessly transmit data via a proprietary radio protocol

Quick and tool-free battery swap
no need to fully disassemble the enclosure or unpair the device for battery change

Tamper alarm
to alert when the device is detached or its enclosure is damaged

5-year battery lifespan
pre-installed batteries provide long-term autonomy for detectors, sounders, and VADs

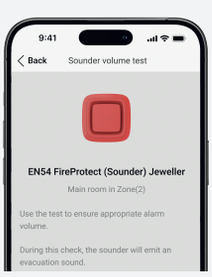
Over-the-air software updates
the system updates automatically to ensure peak performance and instant access to new features

Fast installation
just 5 min per device, no extra tools required

Breaking old ways with powerful apps

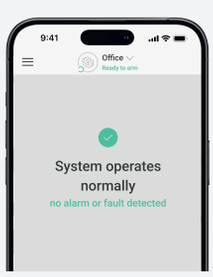
Ajax devices work in synergy with free mobile and desktop apps that seamlessly integrate into your workflow. No programming, no outdated configuration tools — just an intuitive interface for faster installations, easier facility management, and efficient remote service.

Ajax PRO: Tool for Engineers



For installers
Connect, configure, and test devices remotely and on-site

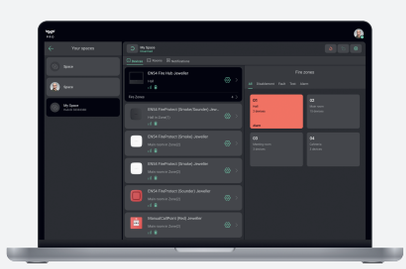
Ajax Security System



For fire officers
Stay informed with instant fire alarms and maintenance notifications

For facility owners
Get instant fire and intrusion alarms wherever you are

Ajax PRO Desktop



For service providers
Administer Ajax systems, monitor alarms, and confirm them using a visual verification feature

macOS iOS Windows Android

System control made easy

Colors:



EN54 Fire Hub Jeweller

Wireless control and indicating equipment (CIE) for a fire alarm system, supporting intrusion protection devices

Introducing EN54 Fire Hub Jeweller, the Ajax's touchscreen CIE designed for all-around management of a fire safety system. Built-in communicators and a fully wireless device connection allow the system to be quickly deployed and connected to monitoring stations through Ajax apps. With its large touch screen and intuitive interface, the CIE provides detailed system status and alarm notifications, ensuring that staff are immediately aware of any situation.
The CIE also supports EN 50131 (Grade 2) intrusion protection, video surveillance, and automation devices, making it a unified solution for commercial and municipal sites. Each alarm can be supported by visual verification, helping guide the facility staff on responding to the emergency.

Extended compliance EN 54-2, EN 54-4, EN 54-13, EN 54-21, EN 54-25, and EN 50131 (Grade 2)	**Jeweller wireless technology** communication with system devices at a distance of up to 1,800 m
Built-in communicators provides radio communication with system devices and internet connection via Ethernet, Wi-Fi, and two SIM cards 2G/4G(LTE)	**40 fire zones with LED indication** **25 intrusion groups** **200 addressable devices** **64 automation scenarios**
Comprehensive protection support for fire, intrusion, and automation devices	**Alarm and event transmission to ARC** via SurGard (Contact ID) and SIA (DC-09) protocols
Big touchscreen with an intuitive interface a 10.1" display with a resolution of 1024 × 600 px	**Support for 5 range extenders** connectable via Jeweller radio protocol and Ethernet
240 V~ mains power supply backed up by a 24 or 72-hour battery	**Compact enclosure size** 277 × 267 × 65 mm
Built-in 60 dB buzzer	**IP20 enclosure protection**
Interface available in all system languages	**Operating temperature ranges from –10 °C to +40 °C**

GlandBox

Wiring accessory for EN54 Fire Hub Jeweller, providing lateral wire entry via cable glands

Colors:





Patented detection technology and record autonomy

EN 54 heat and smoke detectors

EN54 FireProtect (Heat) Jeweller	Wireless point heat detector	EN 54-5 EN 54-25
EN54 FireProtect (Heat/ Sounder) Jeweller	Wireless point heat detector combined with a fire alarm sounder	EN 54-3 EN 54-5 EN 54-25
EN54 FireProtect (Smoke) Jeweller	Wireless point smoke detector	EN 54-7 EN 54-25
EN54 FireProtect (Smoke/ Sounder) Jeweller	Wireless point smoke detector combined with a fire alarm sounder	EN 54-3 EN 54-7 EN 54-25

Colors:



Patented smoke chamber featuring dual-spectrum optical sensor

Two A1R/A1S/BR/BS/CS and fixed temperature thermistors

Built-in radio communicators

Built-in sounder with a 85 dB volume at a distance of 1 m

5-year battery lifespan

IP21C enclosure, 124 × 124 × 48 mm in size

Operating temperature ranges from 0 °C to +50 °C

EN 54 sounders and VADs

EN54 FireProtect (Sounder) Jeweller	Wireless fire alarm sounder	EN 54-3 EN 54-25
EN54 FireProtect (Sounder/ VAD) Jeweller	Wireless fire alarm sounder combined with a visual alarm device (VAD)	EN 54-3 EN 54-23 EN 54-25
EN54 FireProtect (VAD) Jeweller	Wireless visual fire alarm device (VAD)	EN 54-23 EN 54-25

Colors:



100 dB volume and 32 selectable alarm patterns

Visual indication: W-2.4-8.2 / C-3-8

Built-in radio communicators

5-year battery lifespan

IP54 enclosure, 145 × 145 × 51 mm in size

Operating temperature ranges from –10 °C to +50 °C

Lightning-fast commands at critical moments

ManualCallPoint Jeweller

Wireless resettable button for manual fire alarm activation featuring programmable scenarios

Colors:



EN 54-11

EN 54-25

- Failproof button-press mechanism that cannot get stuck
- EN 54 certified (applies to the red-colored version only)
- Up to 7 years of autonomous operation
- Transparent front lid to prevent accidental alarm activation
- Built-in radio communicators
- 102 × 104 × 39 mm enclosure with an operating temperature range from 0 °C to +50 °C

Powerful add-ons for expanded system capabilities

EN54 Fire ReX Jeweller

Wireless radio signal range extender for a fire alarm system, supporting intrusion protection devices

Colors:



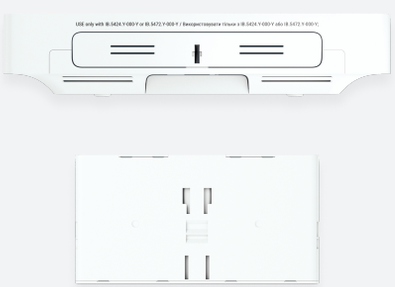
EN 54-4 | EN 54-18 | EN 54-25 | EN 50131 (Grade 2)

- Up to 1,800 m of added communication range via Jeweller radio protocol and Ethernet
- Expanded system coverage with 5 range extenders per CIE
- Support for any device combinations within CIE limits
- 240 V~ mains power supply featuring 24 or 72-hour battery backup
- Support for fire, intrusion, and automation devices
- IP20 enclosure, 226 × 239 × 53.5 mm in size
- Operating temperature ranges from –10 °C to +40 °C

EN54 Internal Battery

Rechargeable Li-ion batteries to install into EN54 Fire Hub Jeweller or EN54 Fire ReX Jeweller

Colors:



Models available:

- **EN54 Internal Battery (24h)**
  a 7.4 V battery with the capacity of 5 Ah
- **EN54 Internal Battery (72h)**
  a 7.4 V battery with the capacity of 10 Ah

EN54 I/O Module (2X2) Jeweller

Wireless module with two inputs and two outputs for a fire alarm system

Colors:



EN 54-18 | EN 54-25

- 2 inputs supporting NO, NC, EOL, 2EOL, and 3EOL to receive alarms
- 2 outputs to control third-party devices
- Up to 5 years of autonomous operation
- Thought-out design for easy wiring
- Built-in radio communicators
- IP21C enclosure, 116 × 180 × 62 mm in size
- Operating temperature ranges from 0 °C to +50 °C

EN54 Line devices

Device name	Device description	Certification	
EN54 Fire Hub Jeweller	Wireless control and indicating equipment (CIE) for a fire alarm system, supporting intrusion protection devices	EU CPR: EN 54-2 EN 54-4 EN 54-13 EN 54-21 EN 54-25	EN 50131 (Grade 2) Directive 2014/53/EU (RED)
GlandBox	Wiring accessory for a control and indicating equipment (CIE)	–	
EN54 Fire ReX Jeweller	Wireless radio signal range extender for a fire alarm system, supporting intrusion protection devices	EU CPR: EN 54-4 EN 54-18 EN 54-25	EN 50131 (Grade 2) Directive 2014/53/EU (RED)
EN54 Internal Battery (24h)	Rechargeable Li-ion battery (7.4 V/5 Ah) to install into EN54 Fire Hub Jeweller or EN54 Fire ReX Jeweller		Directive 2006/66/EC Regulation (EU) 2023/1542
EN54 Internal Battery (72h)	Rechargeable Li-ion battery (7.4 V/10 Ah) to install into EN54 Fire Hub Jeweller or EN54 Fire ReX Jeweller		Directive 2006/66/EC Regulation (EU) 2023/1542
EN54 FireProtect (Heat) Jeweller	Wireless point heat detector	EU CPR: EN 54-5 EN 54-25	Directive 2014/53/EU (RED)
EN54 FireProtect (Heat/Sounder) Jeweller	Wireless point heat detector combined with a fire alarm sounder	EU CPR: EN 54-3 EN 54-5 EN 54-25	Directive 2014/53/EU (RED)
EN54 FireProtect (Smoke) Jeweller	Wireless point smoke detector	EU CPR: EN 54-7 EN 54-25	Directive 2014/53/EU (RED)
EN54 FireProtect (Smoke/Sounder) Jeweller	Wireless point smoke detector combined with a fire alarm sounder	EU CPR: EN 54-3 EN 54-7 EN 54-25	Directive 2014/53/EU (RED)
EN54 FireProtect (Sounder) Jeweller	Wireless fire alarm sounder	EU CPR: EN 54-3 EN 54-25	Directive 2014/53/EU (RED)
EN54 FireProtect (Sounder/VAD) Jeweller	Wireless fire alarm sounder combined with a visual alarm device (VAD)	EU CPR: EN 54-3 EN 54-23 EN 54-25	Directive 2014/53/EU (RED)
EN54 FireProtect (VAD) Jeweller	Wireless visual fire alarm device (VAD)	EU CPR: EN 54-23 EN 54-25	Directive 2014/53/EU (RED)
EN54 I/O Module (2X2) Jeweller	Wireless module with two inputs and two outputs for a fire alarm system	EU CPR: EN 54-18 EN 54-25	Directive 2014/53/EU (RED)
ManualCallPoint (Red) Jeweller	Wireless resettable button for manual fire alarm activation featuring programmable scenarios. Red-colored version.	EU CPR: EN 54-11 EN 54-25	Directive 2014/53/EU (RED)
ManualCallPoint (Blue) Jeweller	Wireless resettable button featuring programmable scenarios. Blue-colored version.		Directive 2014/53/EU (RED)
ManualCallPoint (Green) Jeweller	Wireless resettable button featuring programmable scenarios. Green-colored version.		Directive 2014/53/EU (RED)
ManualCallPoint (Yellow) Jeweller	Wireless resettable button featuring programmable scenarios. Yellow-colored version.		Directive 2014/53/EU (RED)
ManualCallPoint (White) Jeweller	Wireless resettable button featuring programmable scenarios. White-colored version.		Directive 2014/53/EU (RED)

Partner with Ajax Systems

ajax.systems/partner-form

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