



Reliable, simple, and
economical.

BC80A – innovative fire safety products from Siemens.





Vital for survival: protection against fire.

Fire safety is an important issue for the survival and success of your business. Fires must be detected the instant they occur, before lives or property are jeopardized. With BC80A, Siemens offers you a range of UL-certified and economical fire safety products – from fire detectors to control panels. They ensure reliable fire detection and alarm signaling, for effective protection of people, buildings, and assets.

Economical fire protection – genuine Siemens quality certified by UL.

■ Tested quality

BC80A is certified by the Underwriters Laboratories (UL). With the BC80A system, you receive Siemens quality based on in-depth research and development, state-of-the-art production technology and over 150 years of experience in fire protection.

■ Protection quickly ensured

BC80A systems are easily and quickly installed, networked, and put into service. You protect your premises within a very short time. BC80A provides polarity-free wiring; poles can no longer be accidentally reversed. Therefore, the networking of BC80A fire detectors, peripheral equipment, and BC80A control panels is rapid and accurate; essential signals always reach the mark. Maintenance costs are minimized, another plus for long-term protection.

■ A flexible solution for the future

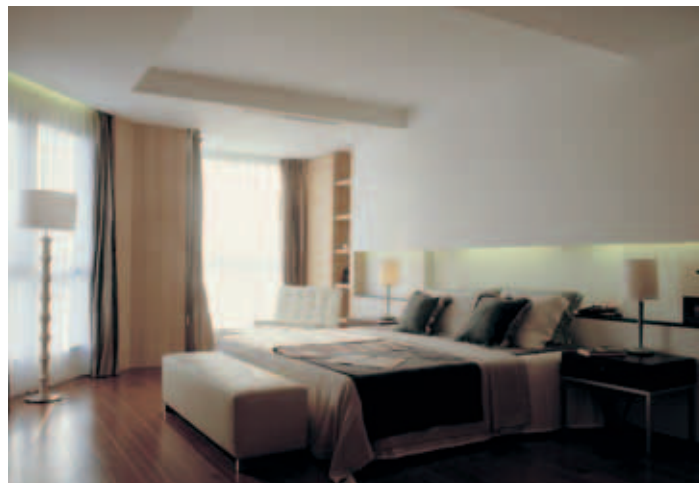
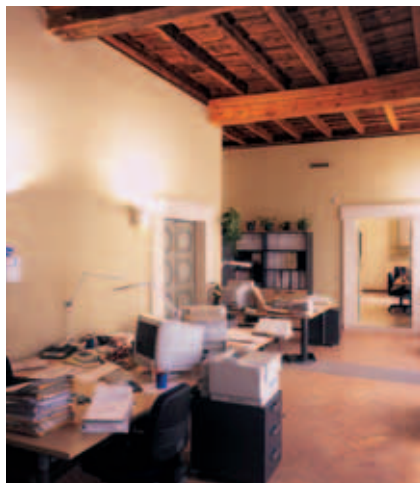
BC80A offers the flexibility you need, for system expansion, modernization and backwards-compatible innovations. Thanks to its open topology, the system is forward-looking – for easy adaptation to growth and changing requirements.

■ High cost-effectiveness

Moderate hardware costs make BC80A a manageable investment. The expandability and flexibility of the system also pay off. A BC80A installation can be aligned with your budget plan and follows your development.

BC80A – advantages at a glance:

- Tested and certified – according to the latest UL standard
- A flexible solution – expandable and compatible with future developments
- High cost-effectiveness – moderate investment, easy installation and commissioning, and manageable maintenance costs





Fire safety products for your protection.

■ Transparent product range

BC80A provides a compact and transparent range of UL-tested fire safety products to protect your building, comprising fire detectors as well as control panels and peripheral equipment such as input and output modules.

■ Various applications

BC80A is the dependable choice for applications large or small.

BC80A is suitable for example, for

- government buildings
- hotels
- commercial buildings
- retail stores
- residential complexes
- office buildings
- schools.

■ Advanced system technology

The BC80A system technology includes special patented process algorithms and ASICs. This increases immunity to environmental factors. For example, automatic drift compensation ensures that detector sensitivity remains constant, even if the atmosphere around the sensor is unclean.

■ Simple central operation

A clear user interface reduces the time your security personnel need to become familiar with the system. Rapid understanding ensures that they always react correctly. Both key-pad and menu are ergonomically designed for easy operation.

■ Flexible networking

A BC80A installation grows with you. When you extend or convert your building, the BC80A installation can be easily expanded. For example with new T-Branched in the cabling and expansion card in the control panel.

■ Automated safety procedures

BC80A can activate other building controls via special interfaces. This makes it possible to implement fire control systems that automatically activate initial fire protection measures, such as closing smoke protection flaps in air-conditioning ducts or switching off ventilation systems.

■ Connectable fire extinguishing control

In the event of a fire, an interface with the optional expansion card for BC80A control panels allows an external extinguishing control system to be accessed and activated automatically via B-Bus. This not only guarantees rapid fire detection, but also ensures that firefighting measures are initiated without delay*.

■ Built-in NAC for alarm and notification

BC80A provides a fully supervised, programmable Notification Appliance Circuit (NAC) for audible and visual appliances.

BC80A – advantages at a glance:

- Reliable fire detection – through state-of-the-art detector technology
- Correct reactions – thanks to user-friendly control panels
- Easy to expand and modify – due to open topology
- Greater safety – thanks to automatic fire protection measures
- Fast firefighting – thanks to automatic fire protection*
- Reliable alarming – through supervised NAC

*This application is technically possible but is not UL-approved.



A wide range of applications.

BC80A comprises an extensive product portfolio and can be installed in various building types. For instance, it is a perfect solution for:



Hotels



Commercial buildings



Residential complexes









Government buildings





Retail stores

Detectors and peripherals (Field devices BC80A system)

	Addressable detectors and bases			Manual call points
				
Type	BDS031A	BDS051A	BDS000A	BDS121A
Description	Heat detector	Photoelectric smoke detector	BC80A addressable detector base	Manual call point
Special features	Addressable rate-of-rise and fixed-temperature type heat detector	Addressable optical smoke detector with patented smoke chamber	Addressable base with no electronics element	Addressable manual call point with special testing tool
	Addressable modules			
				
Type	BDS132A		BDS221A	
Description	Input module		Output module	
Special features	Input module with open-/short-circuit detection		Output module with confirmation and open-/short-circuit detection	

Panels and systems

	Addressable stand-alone control panels			
				
Type	BC8001A	BC8001AE	BC8001AP	BC8001APE
Description	Compact controller	Compact controller	Compact controller	Compact controller
Lines	1	2	1	2
Devices	127	254	127	254
Printer	No	No	Yes	Yes
Special features	Built-in 32 bit microprocessor and USB upload/download of user data; with controller-powered NAC circuit for alarm signaling devices			

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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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