# modular

M

The powerful Integral EvoxX M control panels can be networked and are specially for the protection of large systems and buildings, such as industrial plants, office buildings, airports, hospitals, shopping centres. The modular system design also provides the basis for a standard-compliant modernisation of existing systems.

- Modular, decentralised structure
- Up to 16 Loops – max. 4000 elements per control panel
- TCP/IP interface
- Networkable
- Hardware and software redundancy
- MMI- and EPI-bus interface
- Modernisation of existing systems
- Floor-standing cabinet
- Multi-zone extinguishing control panel
- Wireless service interface

MF
Fire alarm control panel
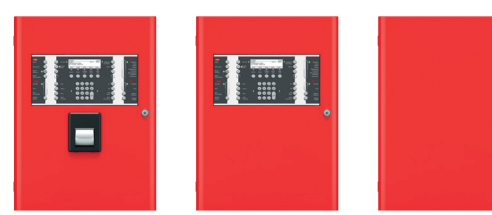
Floor-standing cabinet

ME
Extinguishing control panel
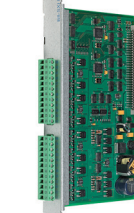
Modules for M control panels

B8-DXI2
For connecting two Integral X-LINE loops with the corresponding detectors and modules. Alternatively, both loops can also be operated in the form of four stub lines.

B8-SXI8
For connecting up to eight stub lines with corresponding Integral X-LINE detectors and modules. It is suitable for modernising existing stub lines from older control panel models.

B8-OM8
Eight monitored outputs for control of flashlights, sirens etc., each with a maximum current of 1.5 A. The primary line monitoring is carried out in accordance with EN 54-13.

B8-IM8
For connecting up to eight stub lines, which can be freely configured either as detector zones or as monitored inputs (e.g. a VdS extinguishing interface etc.).

B8-BAF
For connecting external operating panels (MMI-bus), transmission equipment (main detector output), alarm notification equipment (sirens), and for controlling the relay bus.

B8-MRI16
16 bistable freely programmable 30 V/3 A relay contacts that can be configured as NO or NC contacts with optional fail-safe position. The module also includes an interface for controlling the relay bus.

B3-REL10
Ten bistable freely programmable 250 V/3 A relay contacts that can be configured as NO or NC contacts with optional fail-safe position. The module can be operated only on the relay bus.

B3-REL16(E)
16 bistable freely programmable 30 V/3 A relay contacts that can be configured as NO or NC contacts with optional fail-safe position. The module B3-REL16E is equivalent in function and technical data to the module B3-REL16, but may be used for the VdS extinguishing interface via jumper cap activateable monitoring resistors and additionally via a fuse to protect the contact circuit. The modules can be operated only on the relay bus.

B8-NET2-485
Two RS-485 interfaces with line redundancy and two 10/100Base-TX interface with port redundancy for redundant control panel networking and for the connection of digital applications.

B8-NET4-485
Four RS-485 interfaces with line redundancy and two 10/100Base-TX interface with port redundancy for redundant control panel networking and for the connection of digital applications.

B8-NET2-FX4
Two RS-485 interfaces with line redundancy, four optical fibre ports for use with pluggable SFP modules and two 10/100Base-TX interfaces with port redundancy for control panel networking via redundant optical fibre cables, as well as for the connection of digital applications.

B8-NET-FX8
Eight optical fibre ports for use with pluggable SFP modules and two 10/100 Base-TX interfaces with port redundancy for control panel networking via redundant optical fibre cables, as well as for the connection of digital applications.
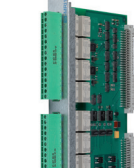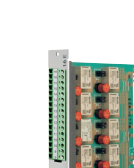
B8-USI4
Four RS-485/422 interfaces (two of the four interfaces can also be operated as RS-232) for data-serial connection of external devices (operation control system, paging systems, voice alarm systems etc.) via different protocols.

Modernisation modules

B8-MTI8
For connecting up to eight stub lines, which can either be configured as detector zones using monologue technology or as monitored inputs. The module may only be used for renovation purposes because of approval reasons.
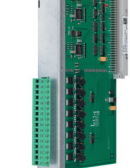
B8-DTI2
For connecting two loops or four stub lines with the corresponding detectors and modules from the CIE Maxima dialogue technology. The module may only be used for renovation purposes because of approval reasons.

B8-DCI6
For connecting six inputs that can be configured as either a detector zones in DC technology, as monitored inputs or as extinguishing inputs. The module may only be used for renovation purposes because of approval reasons.

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compact

C

The compact Integral EvoxX C control panels can be networked and protect medium-sized systems, such as residential buildings, large supermarkets, hotels.

- Compact, decentralised structure
- Up to four Loops – max. 1000 elements per control panel
- TCP/IP interface
- Networkable
- Software redundancy
- MMI- and EPI-bus interface
- Single-zone extinguishing control panel
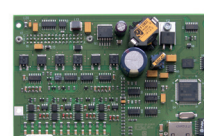- Wireless service interface

CF
Fire alarm control panel
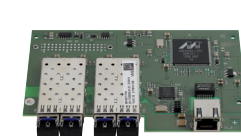
CE
**Extinguishing control panel**

Modules for C control panels

B6-LXI2
Extension module for two Integral X-LINE loops with integrated 10/100Base-TX interface.

B6-EIO
Ten inputs for connecting detector zones or monitored inputs and eight monitored outputs for connecting peripheral devices (signal devices etc.).

B4-USI
Two RS-485/422 interfaces (one interface can also be operated as RS-232) for data-serial connection of external devices (operation control system etc.).
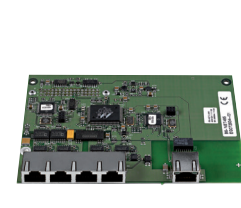
B9-NET-FX4
Four optical fibre ports for use with pluggable SFP modules and one 10/100Base-TX interface for control panel networking as well as for the connection of digital applications.
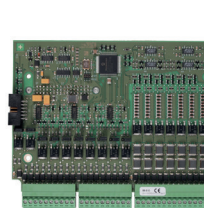
B6-NET2-485
Two RS-485 interfaces with line redundancy and one 10/100Base-TX interface for redundant control panel networking and for the connection of digital applications.
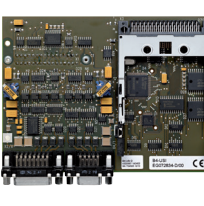
B6-NET2-FXM/FXS
One RS-485 interface with line redundancy, one 10/100Base-TX interface and two optical network connections for redundant control panel networking and for connection of digital applications.

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basic

B

The high performance Integral EvoxX B control panels have been specifically designed to protect small systems and protects e.g. unoccupied technical equipment, underground carparks, catering facilities, supermarkets, chain stores, inns, gas stations, schools.

- Compact control panel
- One loop – max. 250 elements
- TCP/IP interface
- Networkable via TCP/IP
- Software redundancy
- EPI-bus interface
- Wireless service interface

BF
Fire alarm control panel

External operating and indication devices

MMI-bus
Serial bus (max. 1200 m) for connecting up to 16 devices to Integral EvoxX M and C control panels.

EPI-bus
Serial bus (max. 1 m) for connecting up to three devices to all Integral EvoxX control panels.

To which bus the device may be connected is indicated in the type designation of the units by the letters MMI and EPI.

B8-MMI-CIP + B8-PRT
Language-neutral external operating panel with external log printer

B5-MMI-PIP
Indication panel

B5-EPI-PIC
LED & Keypad

B3-MMI-IPEL
LED indication panel for eight extinguishing zones

B3-MMI-EAT64
LED indication panel for 64 detector zones

B5-MMI-FPD & B5-EPI-FPD
Fire brigade operating panel Germany

B5-MMI-FPS & B5-EPI-FPS
Fire brigade operating panel Sweden

B5-MMI-IPS
Intervention panel Sweden

B5-MMI-FPF/FPN & B5-EPI-FPN
Fire brigade operating panel Finland/Norway

B5-EPI-FPCZ
Fire brigade operating panel Czech Republic

B3-MMI-UIO
Universal Input/Output module

Integral LAN

Symbol	Meaning
PCU x	Primary control unit
SC x	Secondary control unit
SCU x	Sub-control unit

LAN connection
TX Ethernet connection
FXS/M optical fibre
Highspeed RS-485 redundant

- Stub, loop or mesh-like networking of up to 16 control panels to create a logical control panel with common programming.
- The control panel can be directly integrated into the IT infrastructure of a building.
- Up to four high-speed RS-485, optical fibre or Ethernet connections per control panel.
- All information is equally available at all 16 control panels.
- Links of elements are possible across sub-control units (two-detector dependency, outputs etc.).
- Centralised download and software updates are possible from one location.

MAX. 16 SCU

Integral WAN

EXTERNAL SYSTEMS

INTRANET

- Control panel networking via IP network
- Loop or tree-like networking
- Infrastructure via own or foreign networks
- Logical hierarchy adjustable in the software

max. 32 primary control units (PCU)
max. 254 secondary control units (SC)
max. four ISP-IP interfaces per PCU

Secolog IP

Digital applications
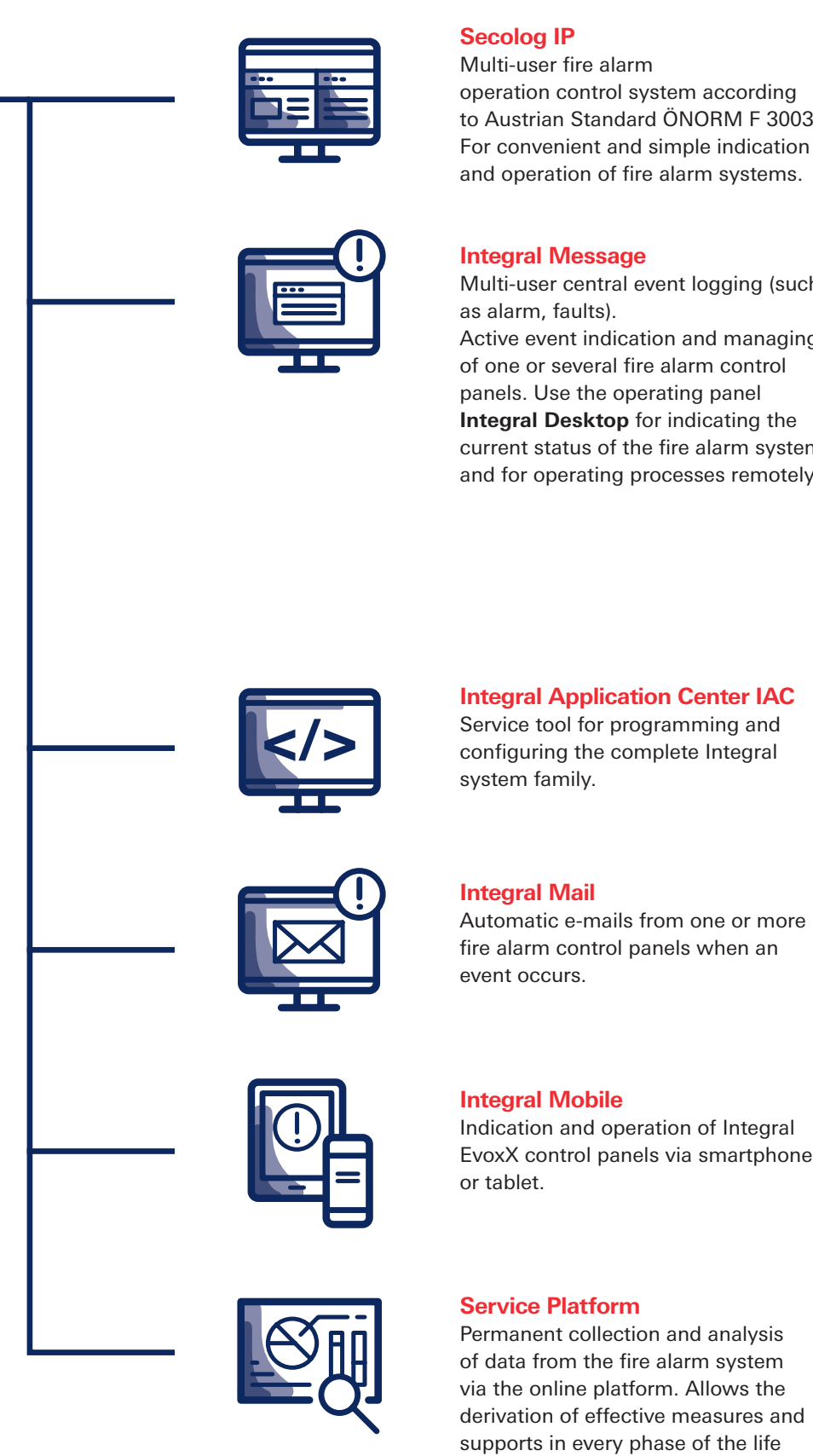
Secolog IP
Multi-user fire alarm operation control system according to Austrian Standard ÖNORM F 3003. For convenient and simple indication and operation of fire alarm systems.

Integral Message
Multi-user central event logging (such as alarm, faults). Active event indication and managing of one or several fire alarm control panels. Use the operating panel **Integral Desktop** for indicating the current status of the fire alarm system and for operating processes remotely.

Integral Application Center IAC
Service tool for programming and configuring the complete Integral system family.

Integral Mail
Automatic e-mails from one or more fire alarm control panels when an event occurs.

Integral Mobile
Indication and operation of Integral EvoxX control panels via smartphone or tablet.

Service Platform
Permanent collection and analysis of data from the fire alarm system via the online platform. Allows the derivation of effective measures and supports in every phase of the life cycle of the system.

Special fire alarm systems

The wide range of special fire alarm technology offers the right solution for every application.
Intelligent input and output modules provide optimal integration in the Integral X-LINE.

Aspirating smoke detectors
The aspirating smoke detectors ASD 535, ASD 532 and ASD 531 are among the most reliable early fire warning systems: they are robust, durable and highly sensitive to developing fires. They are equally suitable for fire protection in high rooms and halls and for securing areas that are difficult to access due to structural or operational reasons. In addition, they offer the ideal solution for facility monitoring around electric cabinets, machinery for manufacturing technology or computer systems. The software PipeFlow always guarantees a secure configuration according to EN 54-20, even with asymmetric routing.

Line-type heat detectors
In extreme ambient conditions, such as heat, humidity, dust and steam or gas development, the ADW 535 proves to be particularly reliable. Depending on the application, sensing tubes made of copper, stainless steel or PTFE (Teflon) are used. In addition to high-temperature applications, such as foundries or drying ovens, areas with extreme temperature fluctuations from the underground parking to the industrial kitchens or dairies, recycling and painting facilities are also among the areas of applications. With the ADW 535 HDx an additional device for monitoring hazardous areas is available.

LIST sensor cable
The addressable line-type heat detector is characterised by precise detection, high response speed, ease of installation and commissioning. Various sensor intervals, branches in the sensor cable and individual temperature sensors provide the perfect solution for every application.

Line-type smoke detector ILIA
Transmitter/receiver system ILIA S/E or transmitter/reflector system ILIA S/R with a monitoring length of between 10 and 200 or 10 and 150 m. For use in areas with high dust concentration or steam, both systems are available in a version ILIA DUST.

BX-OI3*

Line-type smoke detector Fireray One
Transmitter/reflector systems with a monitoring length between 5 and 50 m or with the Fireray Long Range Kit up to 120 m.

BX-OI3*

Infrared Ex-flame detector DF 1101Ex
For use in hazardous areas of zone 1 and 2. The detector is suitable for the detection of smokeless liquid and gas fires, as well as smoke-forming open fires that result from the combustion of carbonaceous materials and is suitable for indoor and outdoor use.

BX-AIM

3-sensor infrared flame detector FDF 241-9
For the detection of smokeless liquid and gas fires, as well as smoke-forming open fires. Suitable for indoor applications.

BX-AIM

Detector series 523
Automatic detectors and manual call points with group addressing for use on stub lines.

BX-MDI8*

Ex-manual call point MCP 1A
For manually triggering a fire alarm in hazardous areas, according to EN 54-11 (Type A), available for surface or flush mounting indoors.

Z 787

BX-AIM

Ex-manual call point WCP 1A
For manually triggering a fire alarm in hazardous areas, according to EN 54-11 (Type A) for surface mounting in indoor and outdoor areas.

Z 787

BX-AIM

Ex-manual call point DC 31
For manually triggering a fire alarm in hazardous areas of Group II, Category 2 GD (zone 1, 2, 21 and 22), in accordance with EN 54-11 (Type B).

BX-AIM

Sirene IS-S-02
Robust, intrinsically safe multi-signal siren with IP 66, suitable and approved for use in hazardous areas.

Z 787

BX-IOM*

Flashlight V6 EX
Robust, pressure-capsulated flashlight with IP 66, suitable and approved for use in hazardous areas.

BX-IOM*

Radio fire detector
Radio fire detector for the expansion of fire alarm systems in areas where structural aspects or specific operations do not permit wiring (e.g. in historic buildings, hotels, museums).

BX-WGW

Flame detector for hazardous areas
Flame detectors are used for the detection of smokeless liquid and gas fires, and smoke-intensive open fires in hazardous areas, for example, in the combustion of oil products, gases, wood or plastics occur (zones 1, 2, 21 and 22). Typical applications include large industrial warehouses, aircraft hangars, chemical plants, oil refineries, machine rooms, power stations, printing works etc.

BX-OI3*

BX-OI3
One potential-free bistable relay output with a programmable failsafe position, two monitored inputs for querying potential-free contacts and an optocoupler input for monitoring external voltages.

BX-O2I4/BX-O2I4-HP
Two potential-free bistable relay outputs with programmable failsafe position and four inputs for the monitored querying of potential-free contacts. Also available in high-power version.

BX-REL4
Four potential-free bistable relay outputs with programmable failsafe position.

BX-IM4
Four monitored inputs for querying potential-free contacts.

BX-IOM*
One monitored output and one monitored input for the querying of potential-free contacts. An external supply voltage must be provided to enable operation.

BX-AIM
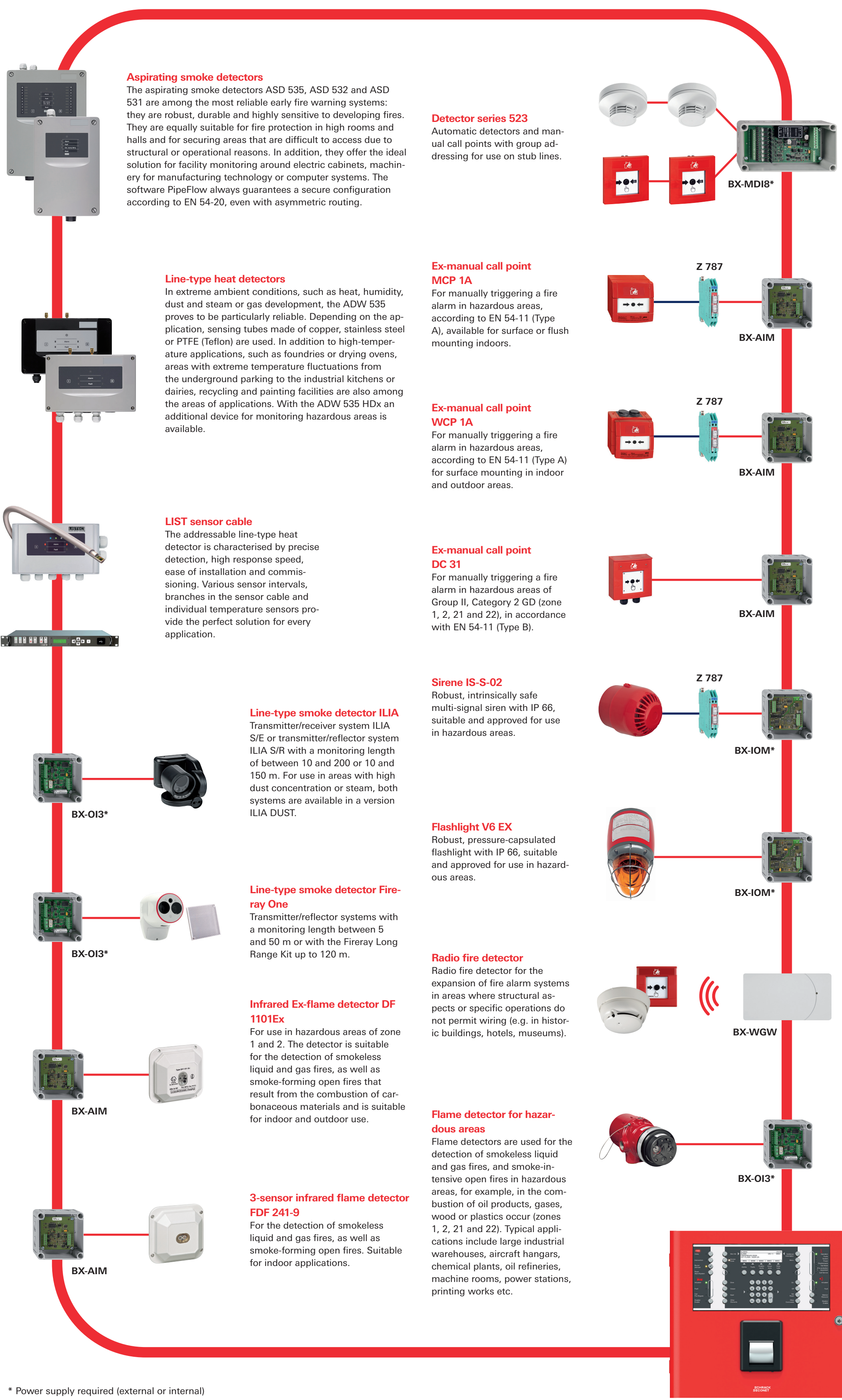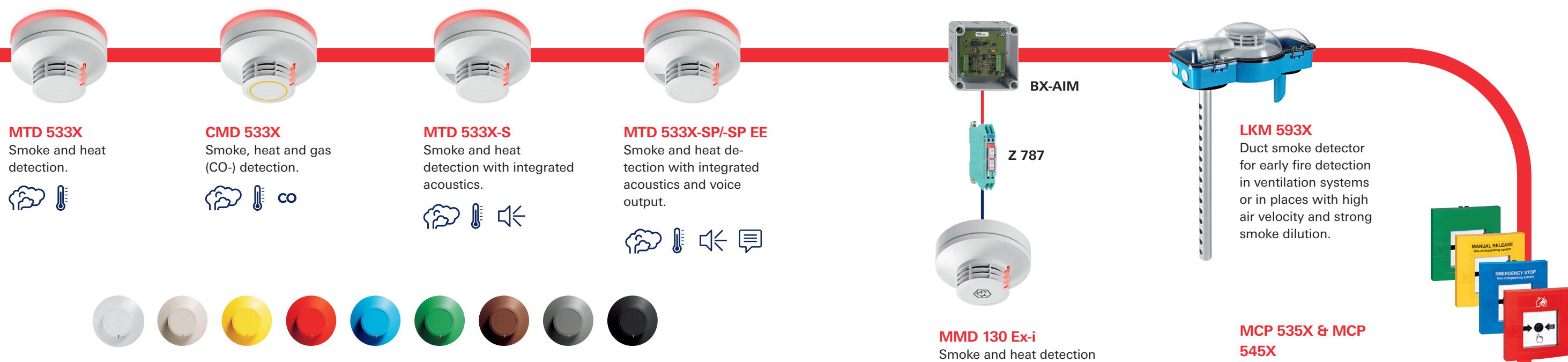DC branch line for connecting intrinsically safe or collectively addressable detector zones. The module can optionally be used as a monitored input to query potential-free contacts.

BX-ESL
End-position switch for use in the area of sprinkler monitoring and blocking device. The module contains an optical photoelectric sensor, which measures the movement of an actuating tappet.

BX-MDI8*
For connection of up to eight stub lines, which can be freely configured either as detector zones or as monitored inputs (e.g. a VdS extinguishing interface etc.). For the operation, an external supply voltage is absolutely necessary; these can also be redundantly carried out if necessary.

BX-I2
One monitored input for querying potential-free contacts and an optocoupler input for monitoring external voltages.

BX-O1
A potential-free bistable relay output with a programmable failsafe position.

BX-WGW
Communication interface between the fire alarm control panel, radio fire detectors and radio manual call points. Up to 30 radio devices can be connected to a radio gateway.

BX-MDH
Holding magnet for automatic closure of fire prevention doors in the event of an alarm.

Multiple sensor detectors with CUBUS levelling

Optionally with LED-ring detector base

MTD 533X
Smoke and heat detection.

CMD 533X
Smoke, heat and gas (CO-) detection.

MTD 533X-S
Smoke and heat detection with integrated acoustics.

MTD 533X-SP/-SP EE
Smoke and heat detection with integrated acoustics and voice output.

MMD 130 Ex-i
Smoke and heat detection in hazardous areas of zones 1 and 2.

BX-AIM

Z 787

LKM 593X
Duct smoke detector for early fire detection in ventilation systems or in places with high air velocity and strong smoke dilution.

MCP 535X & MCP 545X
Manual call points for manually triggering a fire alarm according to EN 54-11 in various designs and protection classes.

BX-SBL
Addressable platform siren in white or red for acoustic signalling of a fire alarm in interior spaces. Sound and volume are adjustable.

BX-FOL
Adressable flashlight in white or red for optical signalling of a fire alarm in interior spaces. The flash rate is adjustable.

BX-SOL
Addressable siren in white or red for acoustic signalling of a fire alarm in interior spaces. Sound and volume are adjustable.
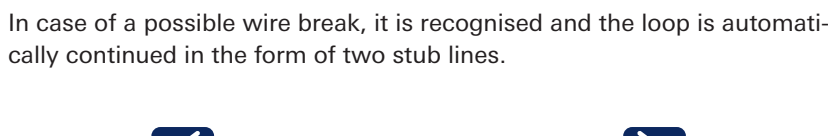
Integral EvoxX

The evolution of fire protection.

Smart technology. Simply more flexibility.
Thanks to easy integration of new product features and unique compatibility.

Smart technology. Simply higher quality.
Developed and produced in Austria and Germany.

Smart technology. Simply better service.
Through digital applications and partnership-based support.

Integral X-LINE

- Up to 250 elements, and up to 3500 m in length
- Combines detection and alarm notification perfectly
- Forward and backward compatibility
- Eliminates wire breaks and short circuits

Due to the short-circuit isolator integrated into every X-LINE device, the Integral X-LINE can be wired and configured across fire zones.

In case of a possible wire break, it is recognised and the loop is automatically continued in the form of two stub lines.

After a short circuit, the loop is re-established from both sides automatically, the short circuit is isolated and the two stubs work without restrictions.

In any case, the fault is detected and displayed as a fault.

Sonos S
Siren available in red or white for acoustic signalling of a fire alarm in interior spaces, according to EN 54-3. The setting of the tones and the volume is done via DIP and rotary switches.

Sonos
Signal device for wall or ceiling mounting, for optional optical or optical/acoustic indication of a fire alarm in interior areas in accordance with EN 54-23. The flashing frequency, volume and tones can be set using the DIP switches.

Solex 10
Flashlight for visual indication of a fire alarm in surface-mounting version.

BX-IOM* **BX-IOM*** **BX-IOM***

Controlling single and multi-zone extinguishing systems

MCP 535X-7
Stop device for manual interruption of an extinguishing process according to EN 12094-3. After pressing the button, it does not lock.

MTD 533X **MTD 533X**

BX-IOM*

Systems

Water
- Water spray
- Sprinkler

Gas
- CO_2-High-pressure
- CO_2-Low-pressure
- Chemical extinguishing
- Inert gas

ASD 535

MCP 535X-5
Manual actuation device for manual actuation of an extinguishing process with gaseous extinguishing agents as corresponding to EN 12094-3.

BX-ESL **BX-IM4**

BX-OI3

USB 502-1/-6
Standard detector base with or without base contact

USB 502-20
Detector base with LED-ring

USB 502-2
Detector base for suspended ceilings

USB 502-3
Detector base for wet rooms

USB 502-4
Detector base for concrete installation

USB 502-5
Detector base for intermediate floors

BX-UPI
Parallel indicator

TESTIFIRE 2001
Detector test device

STB 01X
Testing device for X-LINE

BE-PSE02
Power supply unit 24 V/1.6 A

BE-PSE03-P
Power supply unit 24 V/3 A

BE-PSU12-CF
Power supply unit 24 V/12 A