modular

M

The powerful and networkable Integral EvoxX M control panels are particularly suitable for protecting large systems and buildings, such as industrial plants, office buildings, airports, hospitals, shopping centres. Additionally, the modular system offers the basis for a standard-compliant modernisation of old systems.

- Modular, decentralised system
- Up to 16 loops – max. 4000 elements per control panel
- TCP/IP interface
- Can be networked
- Hardware and software redundancy
- MMI- and EPI-bus interface
- Modernisation of existing systems
- Wall-mounted and floor-standing cabinet compatible module rack
- Multi-zone extinguishing control panel

MF / ME

Fire alarm control panel and/or extinguishing control panel

Wall-mounted cabinet

19'' module rack wall/floor-standing cabinet

Modules for M control panels

B8-DXI2A
For connecting two loops with the associated detectors and modules of the Integral X-LINE. To connect up to eight stub lines with corresponding Integral X-LINE detectors and modules. Alternatively, a loop and two stub lines, or a maximum of four stub lines, can be connected.

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

B8-SXI8
To connect up to eight stub lines with corresponding Integral X-LINE detectors and modules. Particularly suitable for modernising existing stub lines from older control panel generations.

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-OM8
Eight monitored outputs for activation 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 optionally be planned as detector zones or as monitored inputs (e.g. VdS extinguishing interface).

B8-BAF
To connect external operating panels (MMI-bus), transmission equipment (main alarm output), alarm systems (sirens), and for activation of relay bus.

B8-MRI16
16 bistable, freely programmable 30 V/3 A relay contacts that can be configured as normally open or normally closed contacts with optional fail-safe position. The module also contains an interface for activating the relay bus.

B3-REL10
Ten bistable, freely programmable 250 V/3 A relay contacts that can be configured as normally open or normally closed contacts with optional fail-safe position. The module can only be operated on the relay bus.

B3-REL16(E)
16 bistable, freely programmable 30 V/3 A relay contacts that can be configured as normally open or normally closed contacts with an optional fail-safe position.

The B3-REL16E module corresponds to the function and technical data of the B3-REL16 module, but has jumpers for the monitoring resistors that can be activated for use as a VdS interface for extinguishing and also a fuse to protect the contact circuit. The modules can only be operated on the relay bus.

B8-NET2-FX4
Two RS-485 interfaces with line redundancy, four fibre optic connections with pluggable SFP optical modules and two 10/100Base-TX interfaces with port redundancy for control panel networking via redundant optical fibre cables and for connecting digital applications.

B8-NET-FX8
Eight fibre optic connections with pluggable SFP optical modules and two 10/100Base-TX interfaces with port redundancy for control panel networking via redundant optical fibres and for connecting digital applications.

B8-USI4
Four RS-485/422 interfaces (two of the four interfaces can also be operated as RS-232) for serial data connection of external devices (operation control systems, pager systems, voice alarm systems, etc.) via various protocols.

Modernisation modules

B8-MTI8
For connecting up to eight stub lines, which can be configured either as detector zones in monologue technology or as monitored inputs. For approval reasons, the module may only be used for renovation purposes.

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

compact

C

The compact and networkable Integral EvoxX C control panels protect medium-sized systems, such as residential complexes, large supermarkets and hotels.

- Compact, decentralised structure
- Up to four loops – max. 1000 elements per control panel
- TCP/IP interface
- Can be networked
- Software redundancy
- MMI- and EPI-bus interface
- Single-zone extinguishing control panel

CF / CE

Fire alarm control panel and/or extinguishing control panel

Modules for C control panels

B9-DXI2
Extension for two Integral X-LINE loops. Alternatively, one loop and two to max. four stub lines can be connected.

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

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.

basic

B

The powerful Integral EvoxX B control panels have been specially developed for the protection of smaller properties and protect, for example, unmanned technical facilities, underground car parks, catering establishments, supermarkets, retail chains, guest houses, gas stations, schools.

- Compact control panel
- One loop – max. 250 elements
- TCP/IP interface
- Can be networked via TCP/IP
- Software redundancy
- EPI-bus interface
- Single-zone extinguishing control panel

BF / BE

Fire alarm control panel and/or extinguishing control panel

External operating & indication devices

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

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

In the type designations of the devices, the letters MMI and EPI indicate to which bus the devices can be connected.

B8-MMI-OB + B8-OB-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

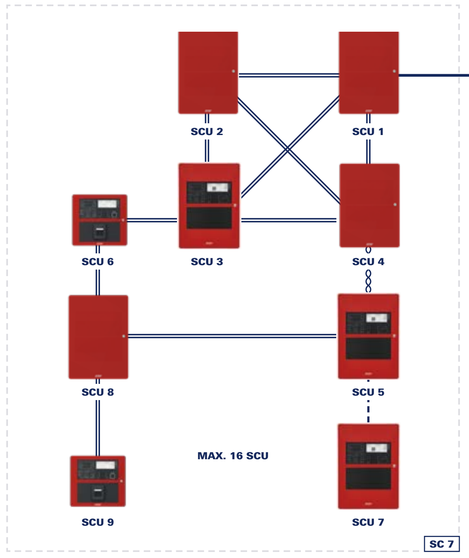
B8-MMI-FPA & B8-EPI-FPA
Fire brigade operating panel Austria

B5-MMI-FPS/N/F & B5-EPI-FPS/N
Fire brigade operating panel Sweden/Norway/Finland

B5-MMI-IPS
Intervention Panel Sweden

B3-MMI-UIO
Universal Input/Output module

Integral LAN

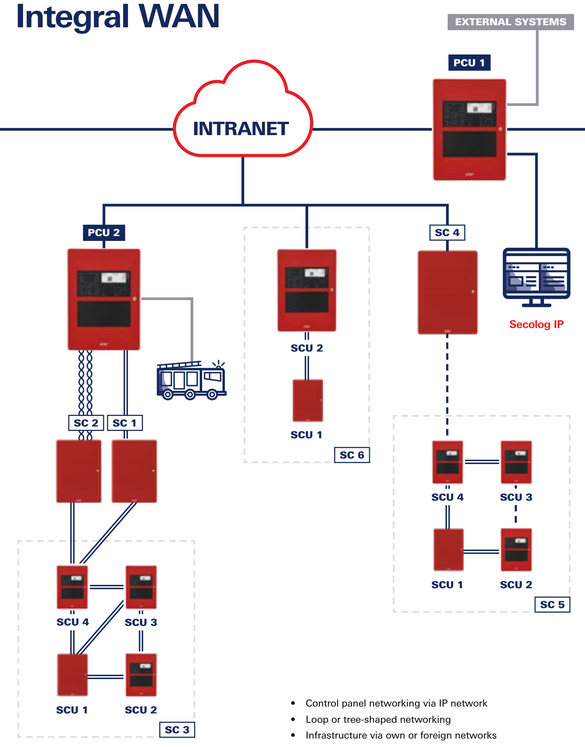


HZ x Primary control unit
UZ x Secondary control unit
TZ x Sub-control unit

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

- Stub, loop or mesh-shaped networking of up to 16 control units to form one logical control panel with joint 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 unit.
- All information is equally available on all 16 centres.
- It is possible to link elements across sub-centres (2-detector dependency, outputs, etc.).
- Centralised downloads and software updates are possible from one location.

Integral WAN



- Control panel networking via IP network
- Loop or tree-shaped 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

Digital applications

Secolog IP
Multi-user capable fire alarm operation control system according to ÖNORM F 3003. For convenient operation and digital logging and indication of fire alarm system events.

Integral Message
Multi-user capable central event logging (such as alarms, faults). Active event indication and management of one or more fire alarm control panels. Use the operating panel **Integral Desktop** to indcate the current status of the fire alarm system and to perform operations remotely.

Integral Application Center IAC
Service tool for programming and planning the entire Integral system family.

Service Platform
Permanent collection and analysis of data from the fire alarm system via the online platform. Enables the identification of effective measures and provides support in every phase of the system's life cycle.

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

Integral Mobile
Indication, operation and real-time notification from Integral EvoxX control panel via smartphone or tablet.

SCHRACK SECONET

Integral EvoxX

System overview

EN

FIRE ALARM

Special fire alarm systems

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

Aspirating smoke detectors
The ASD 535, ASD 532 and ASD 531 aspirating smoke detectors are among the most reliable early fire warning systems: They are robust, durable and highly sensitive to incipient fires. They are equally suitable for fire protection in high rooms and halls and for protecting areas that are difficult to access for structural or operational reasons. They also provide the ideal solution for monitoring the installation of electrical cabinets, production machinery or computer systems. The Pipeflow software always guarantees safe planning in accordance with EN 54-20 for asymmetric installation.

Line-type heat detector
In extreme ambient conditions, such as heat, humidity, dust, vapour or gas formation, 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 detector such as foundries or drying ovens, the areas of application also include areas with extreme temperature fluctuations, from underground car parks to industrial kitchens, as well as dairies, recycling plants and paint shops. With the ADW 535 HDx, an additional product is available for monitoring hazardous areas.

LIST sensor cable
The addressable line-type heat detector is characterised by precise detection, high reaction speed, easy installation and commissioning. Various sensor intervals, branches in the sensor cable and individual temperature sensors enable 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 between 10 and 200 or 10 and 150 m. For use in areas with increased dust concentration or vapour, both systems are also available in the ILIA DUST version.

BX-OI3*

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

BX-OI3*

UV/IR flame detector for industrial applications
Flame detectors are used to detect smokeless liquid and gas fires as well as smoky open fires in hazardous areas (zones 1, 2, 21 and 22). UV/IR flame detectors can recognise hydrogen fires as well as hydrocarbon and metal fires. This makes them particularly suitable for monitoring areas of alternative energy such as battery rooms or wind turbines

BX-OI3*

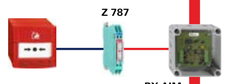
Triple infrared flame detector FMX 5000 IR
For detection of smokeless liquid and gas fires, as well as smoke-forming, open fires. Suitable for indoor and outdoor applications.

BX-OI3*

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

BX-MDI8*

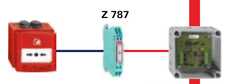
MCP 1A Ex-manual call point
To manually trigger a fire alarm in hazardous areas, according to EN 54-11 (Type A), available for surface or flush mounting in interior rooms.



Z 787

BX-AIM

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



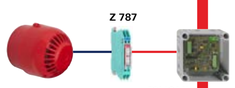
Z 787

BX-AIM

Ex-manual call point DC 31
For manual triggering of a fire alarm in hazardous areas of zone II, category 2 GD (zones 1, 2, 21 and 22), according to EN 54-11 (Type B).

BX-AIM

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



Z 787

BX-IOM*

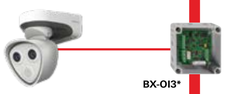
Flashlight V6 EX
Robust, pressure-encapsulated flashlight with protection class IP 66, suitable and approved for use in hazardous areas.

BX-IOM*

Radio fire detector
Wireless radio fire detector for extension of fire alarm systems in areas where structural aspects or special operating procedures do not allow the installation of cables (e.g. in historical buildings, hotels, museums).

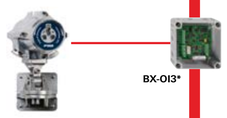
BX-WGW

Radiometric dual camera MX-M73 TR
The pixel-precise temperature measurement method can detect incipient heat sources before smoke develops. For use in outdoor areas or more extreme environments, for example, where other detectors are not suitable. Options for fire verification using the video image sensor.



BX-OI3*

IR3 - flame detector for industrial applications
IR3 flame detectors are used to detect smokeless liquid and gas fires as well as smoky open fires in hazardous areas (zones 1, 2, 21 and 22) that occur, for example, when burning oil products, gases, wood or plastics. Typical areas of application include large industrial warehouses, aircraft hangars, chemical plants, oil refineries, machine rooms, power stations and printing works.



BX-OI3*

* Power supply required
(external or internal)

Multi sensor detector 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.

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

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

BX-REL4
Four potential-free bistable relay outputs with a programmable fail-safe position.

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

BX-IOM*
One monitored output and one monitored input for querying potential-free contacts. An external supply voltage is mandatory for operation.

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

BX-ESL
Limit switch for use in sprinkler monitoring and disabled devices. The module contains a photoelectric sensor that measures the movement of an actuating plunger.

BX-MDI8*
For connection of up to eight stub lines, which can be freely planned either as detector zones or as monitored inputs (e.g. a VdS extinguishing interface etc.). An external supply voltage is mandatory for operation; if necessary, this can also be designed redundantly.

BX-I2
One monitored input for query potential-free contacts and one optocoupler input for monitoring an external voltage.

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

Integral EvoxX

The evolution of fire protection.

Smart technology.
Simply more flexibility.
Thanks to easy integration of new product features, and outstanding 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 in every X-LINE device without exception, the Integral X-LINE can be wired and planned across fire zones and functions.

If a wire break should occur, it will be detected and the loop will be continued automatically in the form of two stub lines.

After a short circuit, the loop is automatically rebuilt from both sides, the short circuit is isolated and the two stub lines continue to function without restriction. In any case, the fault is detected and indicated as a fault.

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

BX-MDH
Holding magnet for automatic closing of fire prevention doors in alarm state.

BX-AIM

Z 787

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

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

MCP 535X & MCP 545X
Manual call point for manual triggering of a fire alarm in accordance with EN 54-11 in various designs and degrees of protection.

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

BX-FOL
Adressable flashlight in white or red for visual signalling of a fire alarm in indoor areas. 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.

Sonos S
Siren in red or white for the acoustic signalling of a fire alarm indoors, in accordance with EN 54-3. The keys and volume are set using DIP and rotary switches.

Sonos
Signal device for wall or ceiling mounting, for either visual or visual/acoustic indoor fire alarm indication in accordance with EN 54-23. The flashing frequency, volume and tones can be set using DIP switches.

Solex 10
Flashlight for optical indication of a fire alarm in surface-mounted design.

BX-IOM*

BX-IOM*

BX-IOM*

Activation of single and multi-zone extinguishing systems

MCP 535X-7
Stop device for manually interrupting the extinguishing process in accordance with EN 12094-3. After pressing the operating element, it does not lock into place.

MTD 533X

MTD 533X

Systems

Water
- Spray water
- Sprinkler

Gas
- CO_2 high-pressure
- CO_2 low-pressure
- chemical extinguishing agent
- Inert gas

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

BX-ESL

BX-IM4

BX-IOM*

ASD 535

BX-OI3

* Power supply required
(external or internal)

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

USB 502-20
Detector base with illuminated 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 testing device

STB 01X
X-LINE testing device

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