

PRODUCT CATALOGUE



CONSILIUM SAFETY GROUP





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INTRODUCTION

UniPOS is a high-tech manufacturer of a full range of fire alarm solutions for commercial and industrial applications. Our products are designed to save lives and protect property from the risk of fire.

Based in Bulgaria since 1995, **UniPOS** has built a worldwide reputation for innovation, quality and reliability. Today we continue to create, research and realize new ideas for better fire security products, becoming a synonym of high professionalism, flexibility and constant pursuit of renovations.

UniPOS holds its own modern production facilities, testing laboratory and a specialized area for technological check-up, where highly qualified specialists perform tests on the production.

Innovation drives the company's product development program, with continuous exploration of new technologies helping to deliver leading-edge fire detection solutions. We created a few generations of distinct ranges and offer analogue addressable and conventional fire detection devices, as well as a host of ancillary products such as sounders, visual indicators, manual call points and software applications for control and diagnostics.

UniPOS efforts are dedicated to the customers. We accept them mainly as a partners in a high responsible activity and strongly believe that our success would never be so valuable without such cooperation.

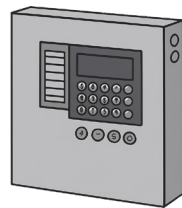
Each purchased product goes with an effective Customer Service by facilitating:

- Requests processed upon receiving;
- Help desk for customer technical support;
- Training courses & consultancy - In-house, On site, Online training platform.

UniPOS holds in excess a number of product approvals worldwide.

With a network of partners and distributors on four continents, **UniPOS** can deliver tailored, local solutions for its fire detection partners wherever they are in the world.

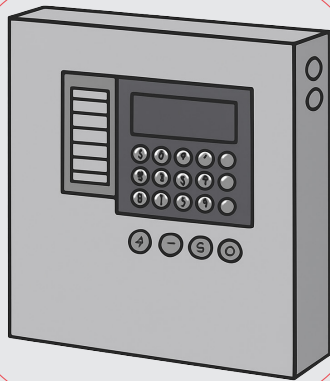
From 2021 **UniPOS** has become a part of **Consilium Safety Group**, aspiring to become global leader in SafetyTech.



CONVENTIONAL SYSTEMS

CONVENTIONAL SYSTEMS

FS4000



UniPOS conventional fire alarm systems offers a good basic system, ideal for small applications, or projects on a tight budget.

The Conventional System FS4000 has been designed to operate with Conventional Fire Detectors and Manual Call Points. The System has outputs for external executive devices.

UniPOS conventional fire alarm systems stand out with:

- Best in class cost efficiency
- Simple setup, no configuration required
- Wide range of compatibility with other conventional devices and sounders

FS4000

CONVENTIONAL FIRE ALARM PANELS

UniPOS Conventional System comes in three variants.

FS4000 SYSTEM OVERVIEW

The Fire Control Panel [FS4000] is designed to operate with conventional automatic fire detectors and manual call points. The panel has outputs provided for external executive devices.

| Fire Control Panel | Part Number |
|--------------------|-------------|
| 2 Fire Alarm Lines | FS4000/2 |
| 4 Fire Alarm Lines | FS4000/4 |
| 8 Fire Alarm Lines | FS4000/8 |



EVPU[®] EN54-2
EN54-4

+ FS4000/2 - 2 ZONES

- Conventional Fire Control panel with 2 fire alarm lines; 2 monitored outputs; 2 relay outputs for fire; 1 relay output for fault.
- The Fire Control Panel [FS4000] is designed to operate with conventional automatic fire detectors and manual call points.
- The panel has outputs provided for external devices.



EVPU[®] EN54-2
EN54-4

+ FS4000/4 - 4 ZONES

- Conventional Fire Control panel with 4 fire alarm lines; 2 monitored outputs; 2 relay output for fire; 1 relay output for fault.
- The Fire Control Panel [FS4000] is designed to operate with conventional automatic fire detectors and manual call points.
- The panel has outputs provided for external executive devices.



EVPU[®] EN54-2
EN54-4

+ FS4000/8 - 8 ZONES

- Conventional Fire Control panel with 8 fire alarm lines; 2 monitored outputs; 2 relay outputs for fire; 1 relay output for fault.
- The Fire Control Panel [FS4000] is designed to operate with conventional automatic fire detectors and manual call points.
- The panel has outputs provided for external devices.

FS4000

PLATFORM OVERVIEW

Technical Features

| | |
|--|---|
| <u>Fire Detection Lines</u> | |
| Maximum number of Fire Detectors in a Line | 32 pcs. |
| Type of the installation | Two-wire |
| Maximum Resistance of a Line | 100Ω (ohm) |
| <u>Thresholds Current Values</u> | |
| Fault condition | 0-6 mA |
| Duty mode | 6-16 mA |
| Fire condition | 16-80 mA |
| Short circuit | > 80 mA |
| <u>Monitores Fire Alarm Outputs (EN54-2, Type C)</u> | |
| Number | 2 pcs |
| Type | Potential, relay with independent control |
| Electrical characteristics | (19-27.5)V DC / 1A |
| <u>Common Fault Warning Relay Outputs</u> | |
| Number | 1 pcs |
| Type | Potential-free, switching |
| Electrical characteristics | 3A / 125V AC, 3A / 30V DC |
| <u>Indication of Registered Events</u> | |
| Light indication | LED |
| Sound | Built-in buzzer |
| <u>Power Supply</u> | |
| Voltage | (187-252)V AC |
| Frequency | 50/60 Hz |
| <u>Backup Batteries</u> | |
| Battery type *not included | Valve regulated lead-acid (VRLA) |
| Number of batteries | 2 pcs |
| Nominal voltage of the backup battery | 12V |
| Nominal capacity C20 | (7.0) Ah |
| Charge voltage | 28V DC |

Operation in Duty Mode Upon Interruption in Main Power Supply

| | 24V / 7.0 Ah* | 24V / 4.5 Ah* | 24V / 1.2 Ah* |
|---------|---------------|---------------|---------------|
| 2 Lines | 163 h | 104 h | 27 h |
| 4 Lines | 118 h | 76 h | 20 h |
| 8 Lines | 77 h | 50 h | 13 h |

Consumption on Backup Batteries Supply

Configuration of 2 Lines < 43mA at 24V DC

Configuration of 4 Lines < 59mA at 24V DC

Configuration of 8 Lines < 90mA at 24V DC

Power Supply to External Devices

Voltage (19-27)V DC

Maximum current value (including current of controller inputs) 1.2 A

Fuses

Main supply 230V - replaceable 4.0 A

Dimensions 304mm x 222mm x 94mm

Weight (backup batteries not included) 0.98kg

*Recommended battery capacity

CONVENTIONAL DEVICES



CONVENTIONAL DEVICES AND BASES

The intelligent conventional fire detectors of series 8000 are remarkable for their low profile state-of-art design that makes them suitable for the most demanding and prestigious interior.

The indication for a Fire condition provides 360° angle visibility by means of the two diametrically situated LEDs.

The bases designed and manufactured with care for the installers allow easy installation and provide interchangeability of all detector types of the 8000 series.

Higher reliability of the base electrical connection with the fire detector and with the installation wires is provided by nickel plated double contact spring system.

The additional conformal coating of the electronic components contributes to the normal operation of the fire detectors in aggressive environment.

The base is provided with a terminal for connection with a remote indicator. A lock-up mechanism provides protection against theft to the fire detectors installed in the premises.



EN54-5

+ FD8020R CONVENTIONAL HEAT DETECTOR

Fire condition on a rate of rise of the temperature.

Suitable for premises with normal ambient temperature, without possible sudden changes.

Temperature class in compliance with EN54-5 A2R.



EN54-5

+ FD8020S CONVENTIONAL HEAT DETECTOR

Fire condition on reaching a fixed temperature threshold.

Suitable for premises with high ambient temperature, with possible sudden changes.

Temperature class in compliance with EN54-5 A2S.



EN54-7

+ FD8030 OPTICAL SMOKE DETECTOR

Fire condition on reaching a fixed threshold smoke concentration.

Suitable for premises where smoke is not expected. Faulty fires signaling are reduced with the aid of build-in self compensation algorithm.

Smoke sensitivity in compliance with EN54-7.



EN54-5
EN54-7

+ FD8060 CONVENTIONAL COMBINED SMOKE/HEAT

DETECTOR

Fire condition on fixed threshold smoke concentration, or rate of rise of the temperature, or fixed temperature threshold.

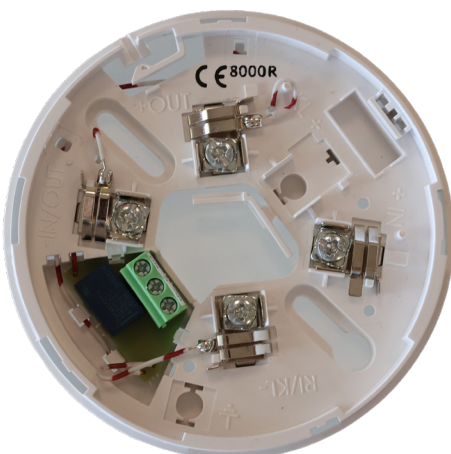
Suitable for premises where a combination of fire scenarios are expected, it combines the advantages of FD8020 Heat and FD8030 smoke detectors.

Temperature class in compliance to EN54-5, smoke sensitivity in compliance to EN54-7.



+ DB8000 DETECTOR BASE

A common base, applicable for the standard alarm installations.



+ DB8000R DETECTOR BASE WITH RELAY OUTPUT

Trigger base with built-in relay output, applicable for burglar fire alarm systems.



- + DB8000D DETECTOR BASE WITH SCHOTTKY DIODE**
Further improvement of the operation reliability through the built-in diode for removed fire detector application.



- + DB8000DR DETECTOR BASE WITH SCHOTTKY DIODE AND RESISTOR**
Combined current threshold base and build-in diode base for reliability improvement and compatibility.



- + DB8000L DETECTOR BASE WITH RESISTOR**
Current treshold base for the UniPOS 8000 series compatibility with 3rd party equipment.





EN54-11

+ FD3050 MANUAL CALL POINT

The Manual Call Point FD3050 is designed to release a signal for a fire condition to the Fire Control Panel upon manual activation on the place signed with arrows.

It can be reset by a special key.

It satisfies the requirements of the European Standard EN54-11 for an indoor use manual call point.



+ RI31 REMOTE INDICATOR

Remote indicator has been designed to duplicate the alarm signal for fire condition, given by the fire detectors.

Remote indicator RI 31 gives out a light signal, RI 31S gives out a sound signal. The devices can be used independently for light and sound signaling when included in other systems.



EN54-3

+ 8204 INDOOR SOUNDER

Indoor siren – 90dB, 24VDC.

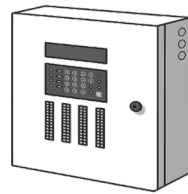
The Conventional Sounder [FD8204] provides a penetrating sound to alert the building occupants that a fire condition is in operation.

The low profile sounder is applicable to a wide range of environments, it is connected to the Control and Indicating equipment by two-wire cable that has cable connections that allow for the units to be daisy chained on the sounder circuit.

It provides a pulsed output to distinguish it from other alarm signals that might be present in the building.

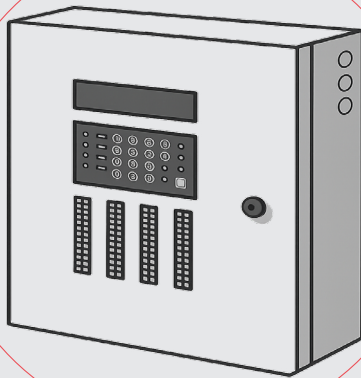
Technical Features (applicable for 8204)

| | |
|-------------------------------|--|
| Supply voltage | (15-30)V DC |
| Sounding current | 50mA / 24 V DC |
| Terminals | For wires with cross section (0.5 - 1.5) mm ² degree of protection: IP21C |
| Operational temperature range | Minus 10°C - plus 50°C |
| Relative humidity resistance | (93±3)% at 40°C |
| Sensitivity | In accordance with EN54-3 |
| Mounting | Direct fixing to building substrate |
| Dimensions, base included | H 134mm x W 112mm x D 36mm |
| Casing material | Polycarbonate plastics, red |
| Weight, base included | 0.115kg |



ADDRESSABLE SYSTEMS

ADDRESSABLE MODULAR SYSTEMS **7000M**



The Addressable Modular Fire Alarm System 7000M is designed for early detection and alarm of a fire condition, indicating the exact location of the fire or fault event. A wide range of system components are available - Addressable Fire Control Panel, Repeater panel for remote indication and control, Automatic fire detectors and Manual Call Points, additional DIN Modules for functionality expansion compliment the systems capabilities. The variety of 7000M Systems components makes it suitable for various demanding and simple applications (residential buildings, schools, hotels, administrative buildings, etc.).

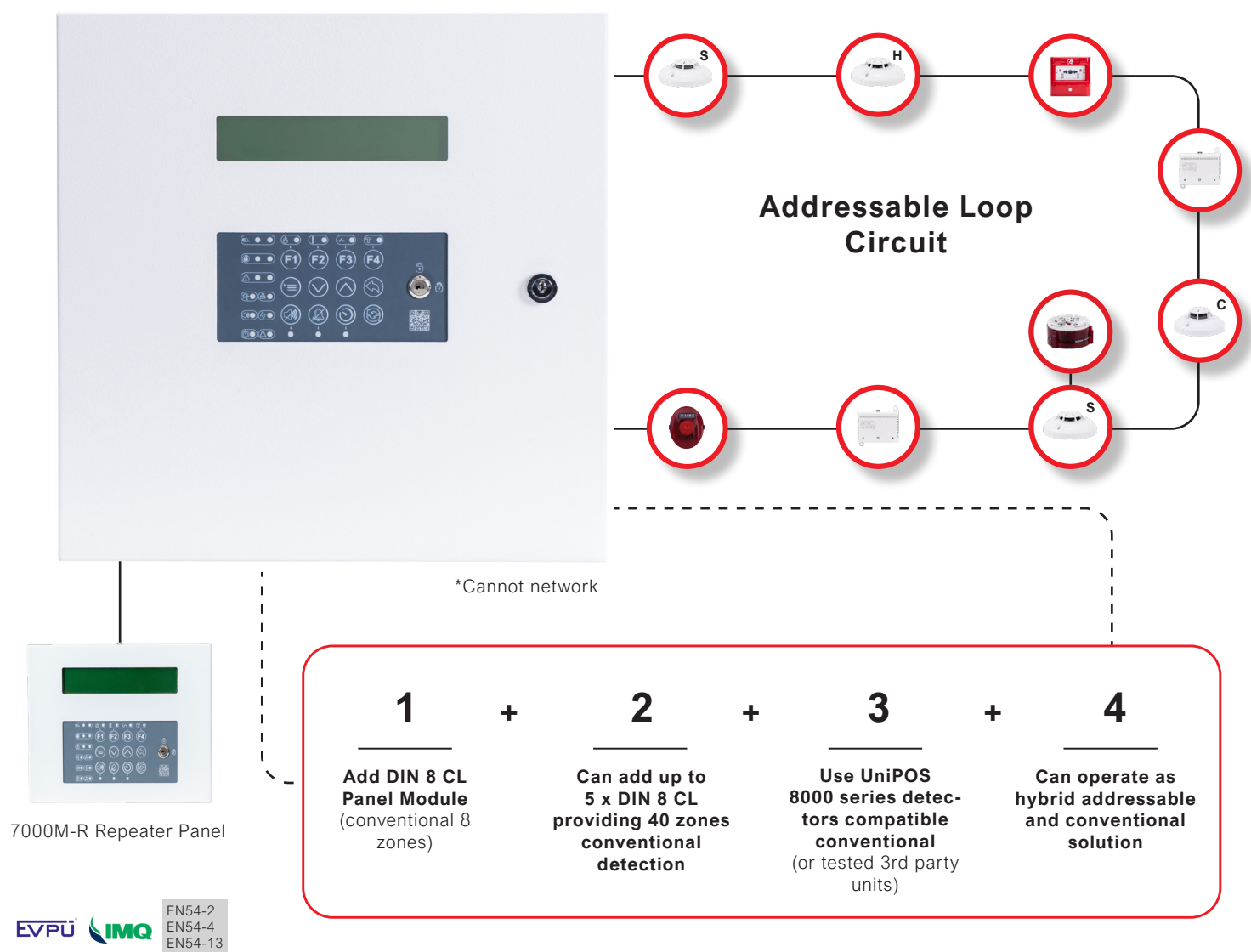
The Compact metal cabinets construction with multiple cable entries makes it ideal for installation works.

The Simplified and extended keypad for operation provides intuitive guidance of the operating staff.

Fully certified according to EN54.

HYBRID - ONE LOOP PANEL

7000-1MC





+ 7000-1MC ADDRESSABLE-CONVENTIONAL MODULAR SYSTEM

The **Addressable-Conventional Modular System 7000-1MC** is a cost-effective professional solution, designed to cover the needs of smaller installations which demand high quality, ease of operation and robustness.

The 7000-1MC fire alarm panel is targeted to provide small fire alarm installations with robust every-day operation. Combined with simple commissioning procedure and minimum need of support and maintenance after set-up, ease of operation is the primary target.

Key features of 7000-1MC

- Ease of installation
- Flexible Set-up
- Approved to EN54 standards*
- 1 Loop addressable - 150 addresses
- Up to 40 Zone Conventional Detection (add DIN8CL - 8 zones each)
- Large and user-friendly keypad for easy operation
- Compact
- Robust



+ 7000M-STANDARD ADDRESSABLE MODULAR SYSTEM

The **Addressable Modular System 7000M-Standard** is a cost-effective professional solution, designed to cover the needs of mid-size installations which demand high quality, ease of operation and robustness.

The 7000M-Standard fire alarm panel is targeted to provide medium sized fire alarm installations with robust every-day operation. Combined with simple commissioning procedure and minimum need of support and maintenance after set-up, ease of operation is the primary target.

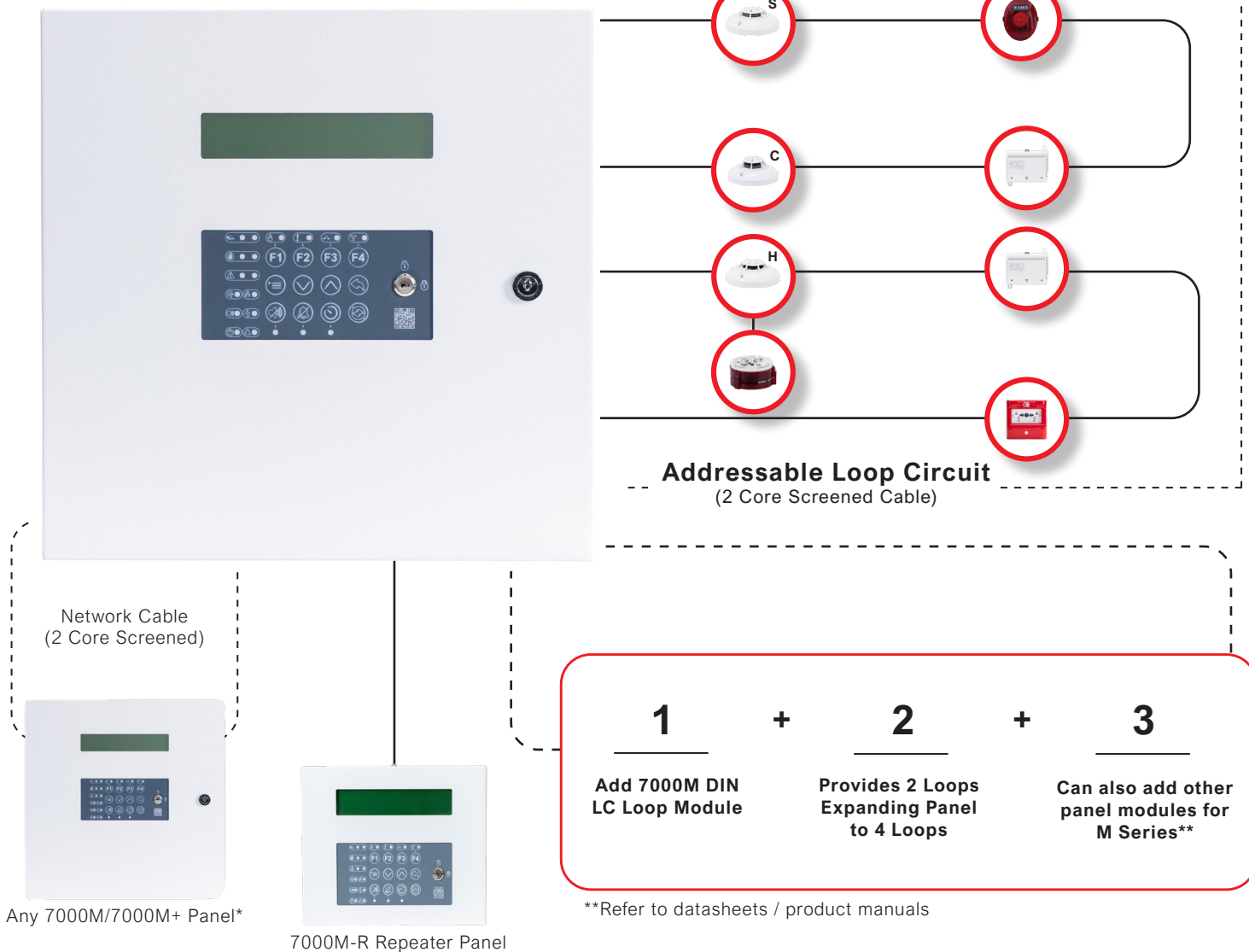
Key features of 7000M-Standard

- Installation
- Compact
- Robust
- Flexible Set-up facility
- Approved to EN54 standard*
- 2-4 Addressable Loops - 210 addresses per loop
- Large and user-friendly keypad for easy operation
- Multiple DIN Rail Module options
- Network capability to 16 panels

2-4 LOOPS SOLUTION

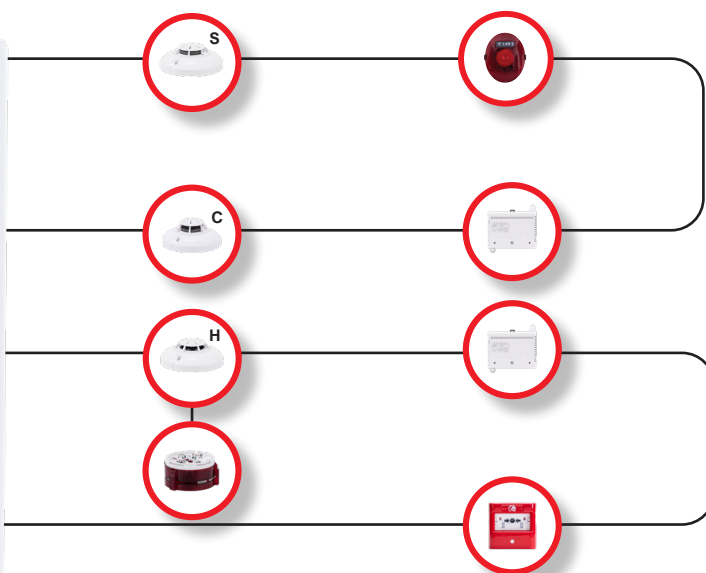
7000M STANDARD

7000M-Standard Panel 2-4 Loops
(2 loop Standard from Factory)



2-10 LOOPS SOLUTION 7000M+

7000M+ Panel 2-4 Loop
(2 loop Standard from Factory)



Addressable Loop Circuit
(2 Core Screened Cable)

Network Cable
(2 Core Screened)



Any 7000M/7000M+ Panel*



7000M-R Repeater Panel

1
+
2
+
3

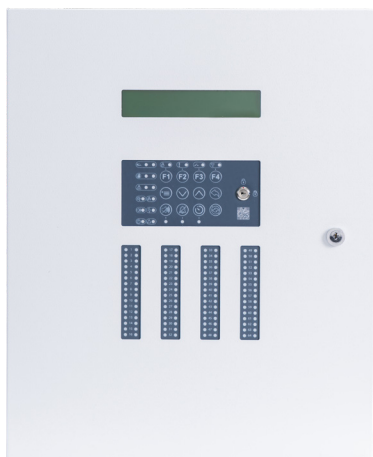
**Add 7000M DIN
LC Loop Module**

**Provides up to 10
Loops**
(In 2 loop increments)

**Can also add other
panel modules for
M Series****

**Refer to datasheets / product manuals

*Up to 16 panel in UniPOS panel network
(no additional hardware needed)



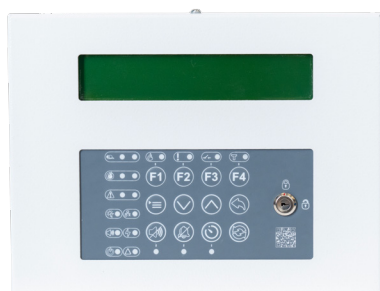
+ 7000M+ ADDRESSABLE MODULAR SYSTEM

The **Addressable Modular System 7000M+** is a cost-effective professional solution, designed to cover the needs of mid-size installations which demand high quality, ease of operation and robustness.

The 7000M+ fire alarm panel is targeted to provide medium sized fire alarm installations with robust every-day operation. Combined with simple commissioning procedure and minimum need of support and maintenance after set-up, ease of operation is the primary target.

Key features of 7000M+

- Installation
- Compact
- Robust
- Flexible Set-up facility
- Approved to EN54 standard*
- 2-10 Addressable Loops
- Large and user-friendly keypad for easy operation
- Panel indications
- Multiple DIN Rail Module options
- Network capability to 16 panels



+ 7000M-R REPEATER PANEL FOR ADDRESSABLE PANELS

The **Addressable Modular System Repeater Panel 7000M-R** is a cost-effective professional solution, designed to offer a full function terminal repeater in a slimline enclosure.

The 7000M-R can be fixed into a reception area, security office or a system node for an office floor tenant.

Key features of 7000M-R

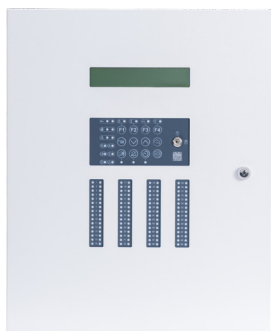
- Easy installation
- Compact design
- Large and user-friendly keypad for easy operation
- Full monitoring of system status and control of connected panels
- Fully compatible with EN54-2 standard
- Compliant with EN54-2/13



7000M

PLATFORM OVERVIEW

7000M+



7000M



7000-1MC



| Dimensions | W 390 x H 480 x D 175 (mm) | W 350 x H 350 x D 145 (mm) | W 350 x H 350 x D 145 (mm) |
|---|---|---|---|
| Weight (w/o batteries) | 10 kg | 7 kg | 7 kg |
| Battery Capacity* | 2 x 26 Ah | 2 x 12 Ah | 2 x 12 Ah |
| Included addressable loops / LC modules | 2/1 | 2/1 | 1/1** |
| Included I/Os//BIO modules | 7 types /1 | 7 types /1 | 7 types /1 |
| Expandable loop modules (LC) / loops | Up to 5 LC modules /10 loops | Up to 2 LC modules 2 /4 loops | No |
| Expandable I/O modules (BIO) / I/Os | Up to 5 BIO modules / 35 SW configurable I/Os | Up to 5 BIO modules / 35 SW configurable I/Os | Up to 3 BIO modules / 21 SW configurable I/Os |
| Number of addressable points per loop | 210 | 210 | 150 |
| Supports addressable conventional zones | Yes | Yes | Yes |
| Supports conventional zone modules - DIN8CL | No | No | Yes |
| Redundant CAN Network | Up to 16 panels / 64 loops | Up to 16 panels / 64 loops | No |
| Repeaters 7000M-R | Up to 15 | Up to 15 | Up to 3 |
| Modbus over TCP/IP | Yes | Yes | Yes |
| User scripts | Yes | Yes | No |

*Batteries not included

**Uses 7000-1MC module instead of LC

7000M-R



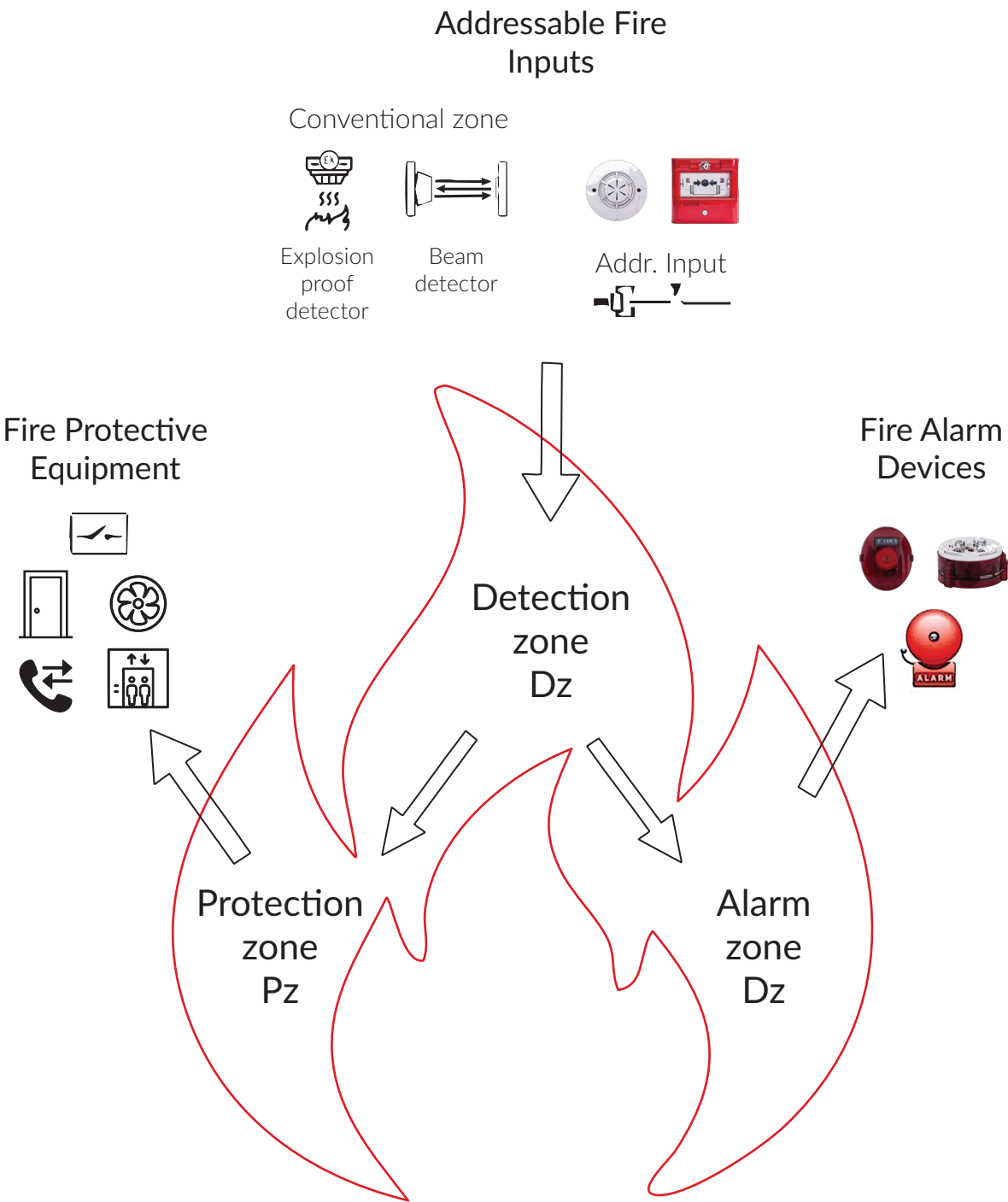
| | |
|--|---|
| Dimensions | W 240 x H 180 x D 35 (mm) |
| Operating volatge range | 18 - 30 VDC |
| Current consumption | 55mA / 27.5 VDX |
| Number of Repeater panels per panel | 15 pcs |
| Maximum Loop Consumption | 21.5 VDC - 28 VDC |
| Cable connection - four cores connecting cable | 2x communication, 2x power supply |
| Communication interface | RS485 |
| Maximum connection distance | Up to 700 m |
| Ingress protection | IP32 |
| Type of installation | Wall mounting by means of 3 fixing screws |
| Operating temperature | +5°C + 55°C |
| Construction | Painted metal lid and base |

TECHNICAL DATA - **7000M SYSTEMS SUPPORTED OPTIONS WITH REQUIREMENTS OF EN54-2**

- Delay to outputs, Day/Night mode
- Dependencies on more than one alarm signal – Coincidence mode CI modes
 - CI Mode A (Detecting fire by double knock zone activation)
 - CI Mode B (Detecting fire by two zones activation) with Pre-alarm state
 - CI Mode C (Detecting fire and activations of any zone inspection time to 10 min.)
- Alarm counter – up to 9999 (can be delete by script at level access 4)
- System Event log (archive) – 10 000 events
- Fault signals from points
- Total loss of power supply
- Output to fault warning routing equipment
- Disablement of addressable points
 - TCP/IP modbus support



COMPONENTS ORGANIZATION



7000M+

TECHNICAL DATA SUMMARY

- Number of Loop Addressable Devices per loop – up to 210
- Number of Loop Modules per Panel – up to 5 (total 10 loops)
- Number of loops per System – up to 64
- Number of BIO modules – up to 5 per panel
- Number of Addressable devices per System – over 13000
- Cross-zone alarming capability over user script programming
- Configurable Week schedule (Day/Night mode) – sensitivity and logic change to detectors, delays change in Alarm zones
- Configurable sounder melodies in alarm and pre-alarm state (Warning-state) for every Alarm zone
- Panel redundant CAN network support up to 16 Panels
- Configurable Monitored Output to fire alarm routing equipment
- Alarm confirmation input from fire alarm routing equipment
- Configurable output to fire protection equipment (addressable output device),
 - with LED indication for activation
 - with Input for receiving confirmation signal with dedicated indication
- Fault monitoring fire protection equipment (in/out)



EN54-2
EN54-4
EN54-13



7000M

DIN MODULES CONCEPT

7000M System is designed to be easily expandable in order to cover every possible application, with the aid of inclusion of standard DIN modules.



+ 7000M DIN LOOP MODULE - LC

The **loop module - LC** is intended for expansion of the loops for 7000M systems (7000M-Standard, 7000M+) Maximal number of loop modules, per panel 7000M+ is 5 pieces, maximal number of loop modules per 7000M-Standard is 2 pieces.

| | |
|---------------------------------------|---------------------------------------|
| Connecting Type | DIN rail |
| Connecting Line to Loop | Two-wire shielded |
| Loops per module | 2 pcs |
| Modules per panel | Max - 5 pcs Min - 1 pcs |
| Maximum resistance of a loop | 210 devices and up to 2km loop length |
| Maximum Loop Consumption | 300mA/ 24 VDC |
| Power supply (provided by PSU module) | 27.6 @ (+1 / -8) VDC |



+ 7000M DIN BIO MODULE

The **BIO Module** is intended to provide input-outputs for the 7000M System. The maximum number of BIO modules per panel are:
 7000M-Standard/7000M+ = 5 modules
 7000-1MC = 3 modules.

| Connecting Type | DIN rail |
|-------------------|---|
| Modules per panel | 3 pcs - 7000-1MC 5 pcs - 7000M-Standard/7000M+ |
| Monitored outputs | 2 per module |
| Relay outputs | 2 per module |
| Monitored inputs | 2 per module |
| User outputs | 28 VDC/700mA |



+ 7000-1MC DIN8CL CONVENTIONAL MODULE

The **DIN8CL Conventional Module** expands the capabilities of 7000-1MC system, allowing the system to support conventional devices.

With the inclusion of this module, the 7000-1MC system can operate conventional fire detectors conventional manual call points, complementing its flexibility.

| Connecting Type | DIN rail |
|-------------------|------------------|
| Modules per panel | 3 pcs - 7000-1MC |

7000M **ADDRESSABLE DEVICES**



EVPU

Dedal
Attestation &
Certification

IMQ

7000M

FIRE DETECTION & ALARM DEVICES

Remarkable for their state-of-art low profile design, that makes them suitable for the most demanding and prestigious interior. The base allows easy installation and provides interchangeability of the fire detectors. Two diametrically situated LEDs are providing 360° angle visibility. In Duty mode they are flashing for a very short time, and in Fire condition they are continuously liton. Each fire detector has a built-in short circuit isolator that additionally contributes to the high reliability of the fire alarm system. The fire detectors are addressable and interactive, ensuring that the exact point of the fire is located. Communication between the fire detectors and the Fire Control Panel is based on the private data exchange protocol UniTALK.

System features

- The fire detectors are addressable and interactive, ensuring the exact point of fire event is located
- Two diametrically situated LEDs providing 360° angle visibility and three state indication modes depending on the fire detector status – duty mode, fire mode & fault mode
- The base allows easy installation and provides interchangeability of the fire detectors
- A modern low-profile design, that makes them suitable for the most demanding and prestigious interior
- Unique UniTALK protocol for communication between the panel and the devices on the loop
- Built-in short-circuit isolator in each detector

Built-in functions

- Built-in algorithm for self-compensation of the contamination
- Self-test mode for detecting a contamination of the optical chamber, sending a signal when maintenance is needed
- The construction of the fire detector allows quick cleaning of the optical chamber
- Provides easy de-installation and installation of the detector head
- Cutting down the time necessary for service and maintenance

The construction of the optical chamber and the new technology applied in manufacturing offers a safety net guaranteeing:

- A high level of protection against contamination with particles and insects
- Normal operation under strong airflow conditions



Dedal
Attestation &
Certification



EN54-5
EN54-13
EN54-17

+ **FD7120M ADDRESSABLE HEAT DETECTOR**

Fire condition on a rate of rise of the temperature or reaching a fixed temperature threshold.

Suitable for premises with normal and high ambient temperature, without possible sudden changes.

Programmable temperature class in compliance with EN54-5 - A2R and A2S.



Dedal
Attestation &
Certification



EN54-5
EN54-13
EN54-17

+ **FD7130M ADDRESSABLE SMOKE DETECTOR**

Fire condition on reaching a fixed threshold smoke concentration.

Programmable smoke sensitivity in compliance with EN54-7. Low, medium & high settings.



Dedal
Attestation &
Certification



EN54-5
EN54-7
EN54-13
EN54-17

+ **FD7160M ADDRESSABLE COMBINED SMOKE/HEAT DETECTOR**

Fire condition on fixed threshold smoke concentration, or rate of rise of the temperature, or fixed temperature threshold. It can combine smoke and rate of rise temperature in "and/or" use.

Satisfies the requirements of EN54-5 and EN54-7.

Combines the advantages of a 7120M Heat and 7130M Smoke Detectors.



DB7100 DETECTOR BASE

Standard base for detector series 7100.



FD7150M ADDRESSABLE MANUAL CALL POINT

- Intelligent robust design
- Manual activation by pressing the screen on the place, signed with arrows
- Certified with the European Standard EN54-11 for a type A manual call point and EN54-17

Additional options:

- Extended back box for surface mounting
- Protective cover

Dedal
Attestation &
Certification



EN54-11
EN54-13
EN54-17



Dedal
Attestation &
Certification

IMQ

EN54-3
EN54-13

Now available in white color.

+ 7205 ADDRESSABLE BASE SOUNDER

Sounder base (includes standard addressable base DB7100).

The Sounder Base 7205 is an analog (non-addressable) fire alarm sounder and can be used together with all UniPOS addressable detectors with built-in remote indication control.

Sounder base 7205 is power supplied directly from addressable loop.

Certified to EN54-3.

| | |
|-------------------------|--|
| Operating voltage | 18-30 VDC |
| Melody type & frequency | Whoop signal 0.5-1.2 kHz Evacuate signal 970 Hz |
| Alarm current | High volume 8mA/24VDC Low volume 6mA/24VDC |
| Sound level at 1m | 78dB / 24VDC |
| Temperature | -10°C to 50°C |
| Dimensions | Ø100 mm |
| Weight | 0.165kg without detector |
| Protection | IP21C |
| Construction | ABS |



Dedal
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IMQ

EN54-3
EN54-13
EN54-17

+ 7206M ADDRESSABLE LOOP SOUNDER

Addressable sounder with short circuit isolator.

The Addressable Sounder 7206M is used for sound and LED indication of events registered in the M-Series product range.

7206M is intended for indoor use (type A) and communication via specialised data exchange protocol UniTALK.

Certified to EN54-3/17.

| | |
|-------------------------|--|
| Operating voltage | 15-30 VDC |
| Current | 50mA / 24VDC |
| Melody type & frequency | Whoop signal 0.5-1.2 kHz Evacuate signal 970 Hz |
| Sound level at 1m | 90dB (A) |
| Frequency | 2.8 0.5 Hz |
| Temperature | -10°C to 50°C |
| Dimensions | 134 x 36 x 112 mm |
| Weight | 0.115 kg |
| Protection | IPX2D |
| Construction | ABS |



EVPU

+ 7201M ADDRESSABLE/CONVENTIONAL ZONE

ADAPTER

Addressable / Conventional Adapter 7201M is a conventional single zone monitor, loop powered addressable interface with in-built short circuit isolator.

It enables the connection of conventional devices to the addressable loop of 7000M and 7000-1MC panels, with current protection on the conventional zone.

Communication between the Control Panel and the adapter is realised by means of the addressable loop through specialized protocol for data exchanging UniTALK. Two LED indicators are built-in on the device PCB, illuminated in yellow and red light, providing device status information.

Certified to EN54-13, EN54-17, EN54-18.



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+ 7203M ADDRESSABLE INPUT/OUTPUT LOOP MODULE

Input-Output device 7203M is designated to produce and send an electrical signal to various devices in case of occurred events and recording external impacts.

Communication between Control Panel and the input-output device is realized by means of the addressable loop through a specialized protocol for data exchanging UniTALK .

Two LED indicators are built-in on the device PCB, illuminated in yellow and red light, providing device status information. Certified to EN54-17/18.

Programmable input:

- Activated on change in the line resistance (monitored for short-circuit and open circuit in the connection line)

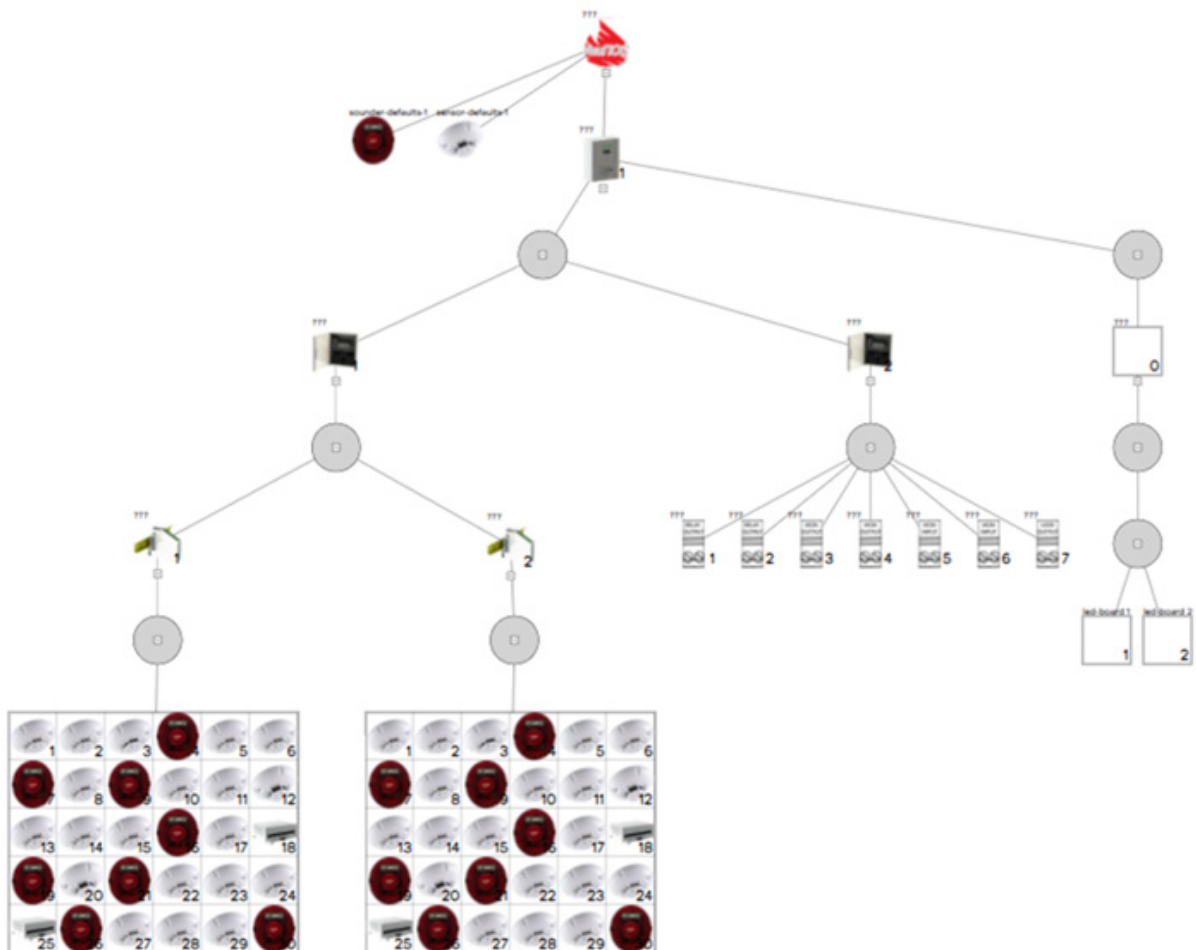
Programmable output:

- Potential - (additional power supply is required or can be supplied from the loop - low power mode)
- Non-potential, dry contact
- The functional characteristics of each input or output are individually programmable

+ 7000M SYSTEMS UNICONFIG SOFTWARE PROGRAMMING TOOL

With UniConfig software tool you can fully program and build system architecture for the 7000M system (7000M+, 7000M, 7000-1MC) including:

- Modules
- Devices
- Fire activation, day/night, time schedule
- Cause & effect programming
- Individual fire script algorithms



7000M SYSTEM

POWER CALCULATOR

The loop calculator tool is intended to support the commissioning of the 7000M systems, providing support in calculating the load in the loop, based on the type of the fire cable used and based on the devices included in the loop.

UniPOS 7000M consumption calculator 1.0.0.1 test vesrion

Cable Calculator Loop Calculator BIO User(PSU) Cable Calculator

Loop 1

| | Duty Mode | Alarm Mode |
|--|------------|------------|
| Fire Detectors & MCP - 0,3mA-2,4 FD7120M, FD7130M/FD7160M/7150M | X 50 15mA | X 10 20mA |
| Sounders 7206M 0,3-8 | X 0 0mA | X 0 0mA |
| Sounders Base 7205M | X 0 0mA | X 0 0mA |
| I/O As dry contact or monitored output, external powered 7203M 0,3-2.4mA (shift+click show diagram) | X 50 15mA | X 10 20mA |
| I/O As monitored output, loop powered 7203M 0,3-80mA (shift+click show diagram) <input type="checkbox"/> Inverted | X 0 0mA | X 0 0mA |
| Conventional Interface Module - 7-50mA 7201M | X 30 210mA | X 5 250mA |
| Loop Devices count (max 210) | 130 | 50 |
| Total Loop Consumption (max 300mA) | 240mA | 290mA |
| | 240mA | + 290mA |

UniPOS 7000M consumption calculator 1.0.0.1 test vesrion

Cable Calculator Loop Calculator BIO User(PSU) Cable Calculator

Cable Lenght

Important Note:
This calcuations are valid only if FIRE alarm cable is used.
All other cable types are prohibited.

| Loop Cable cross section[mm²] | Max cable lenght[m] |
|-------------------------------|---------------------|
| 1.5mm² (15Ω /1000m) | 2100 |
| 1.0mm² (20Ω /1000m) | 1570 |
| 0.75mm² (35Ω /1000m) | 900 |

PSIM - GRAPHICAL INTERFACE

UniPOS provides Physical Security Information Management software (PSIM) solution used for applications where additional graphical information and video surveillance of the fire and fault events are required.

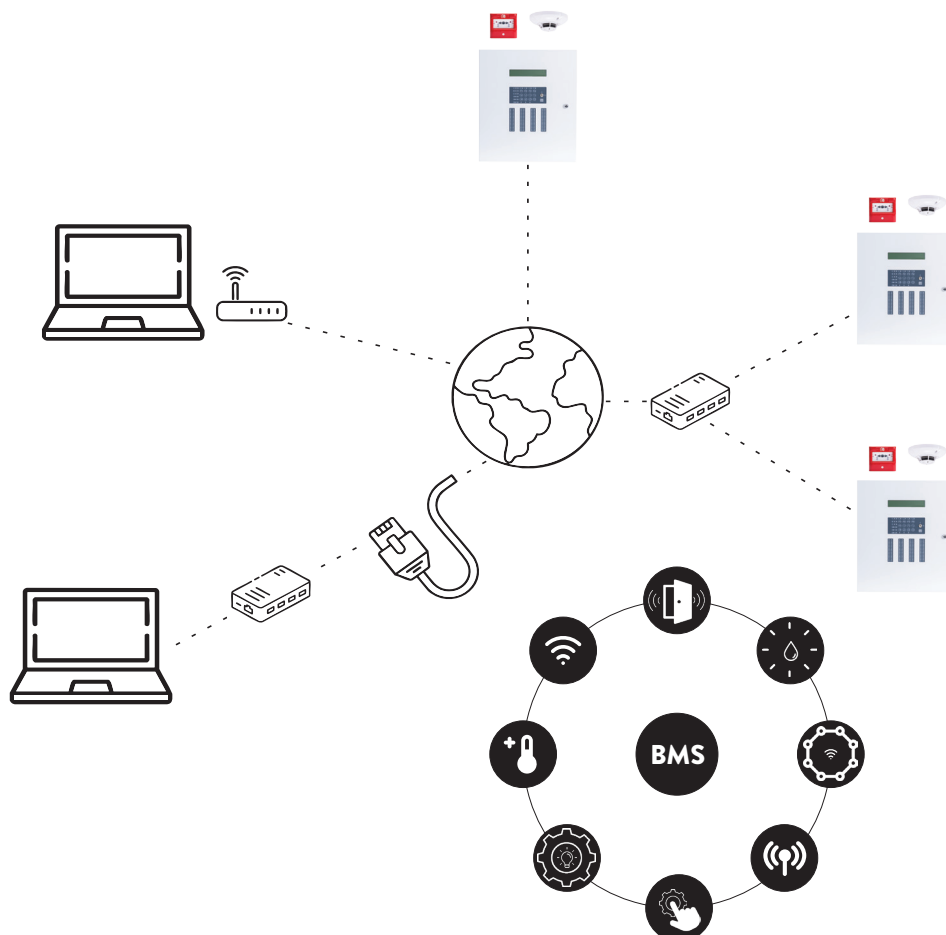
The Graphical monitoring equipment consist of an 7000M-Standard / 7000M+ addressable fire alarm system, connected to one or more monitoring stations with installed server, administrator or client UniPOS application mode.

That software environment enables the user to monitor easily the fire alarm system by means of an interactive map of the site and to maintain an archive of the registered events and the actions of the operator.

Video cameras might be installed in certain zones as the image from them could be visualized on the monitor simultaneously with the activation of the fire alarm system.

The information, provided by the video cameras assists for quick and accurate surveillance of the situation and undertaking the required actions without leaving the working place.

Remote dispatch of the protected area not only from a PC, but using a mobile phone or other communication service.





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