Product Safety Guide
7000M+/7000M/7000-1MC

fire alarm systems
www.unipos-bg.com

Before use, read the instructions carefully!

ENGLISH

Please read this guide, before attempting to operate the product, or before attempting any maintenance. Failiure to follow these instructions may result in an increased risk of personal injury or damage to property, including through fire, electrical shock, burns or suffocation. UniPOS shall not be liable for damage caused where the product owner has failed to follow the instructions set out in this guide.
Read all the instructions. Save them for later reference.

Symbols and conventions

FUSE

Fuse symbol
Before replacing any fuse the mains power (AC) shall be disconnected from the mains board in order to de-energize the phase conductors. The fire alarm control panel is permanently connected equipment and must be connected to an all-pole mains switch, incorporated in the electrical installation of the building.

Equipment class I - PE symbol
Connection of the equipment protective earthing conductor to the installation protective earthing conductor in the mains board is needed.

Hazardous waste
When the marking below is shown on the product and/or its literature, it means that the product should not be disposed with other household wastes at the end of its life cycle. During waste treatment, disposal and collection, please separate the product from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This product should not be mixed with other commercial wastes for disposal.

Pb

PB Free
Meets the Pb-free requirements/definitions adopted by the RoHS Directive 2002/95/EC – lead level in any of the raw materials and Pb the end product is less than or equal to 0.1% by the weight.

DANGER
90-264VAC/50-60Hz

DANGER symbol
Dangerous voltage under the Power Supply Unit chassis **90-264VAC/50-60Hz**

Electrostatic-sensitive components
This product contains static-sensitive devices. Avoid any electrostatic discharge when control panel is opened

CAUTION
HEAVY LOAD

Caution Heavy load
Transportation package tend to be carried by two persons

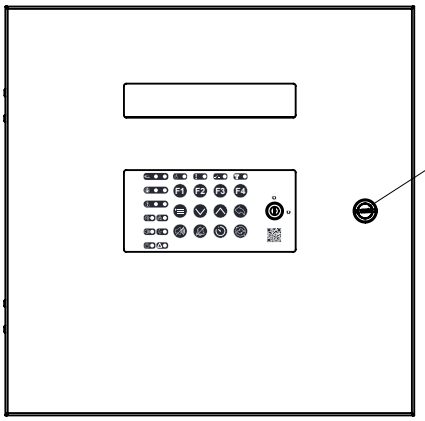
Basic hazards

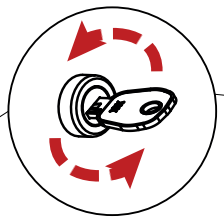
ES3 / PS3

Before removing any of the safeguards below please switch off the all-pole main switch in the mains board of the building.

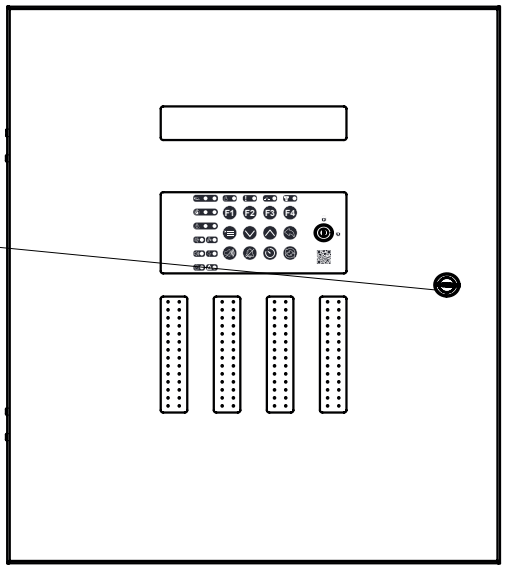
The Fire alarm control panel equipment must be permanently connected to a dedicated single pole, 16 A, curve C circuit breaker, installed in the building's main board.

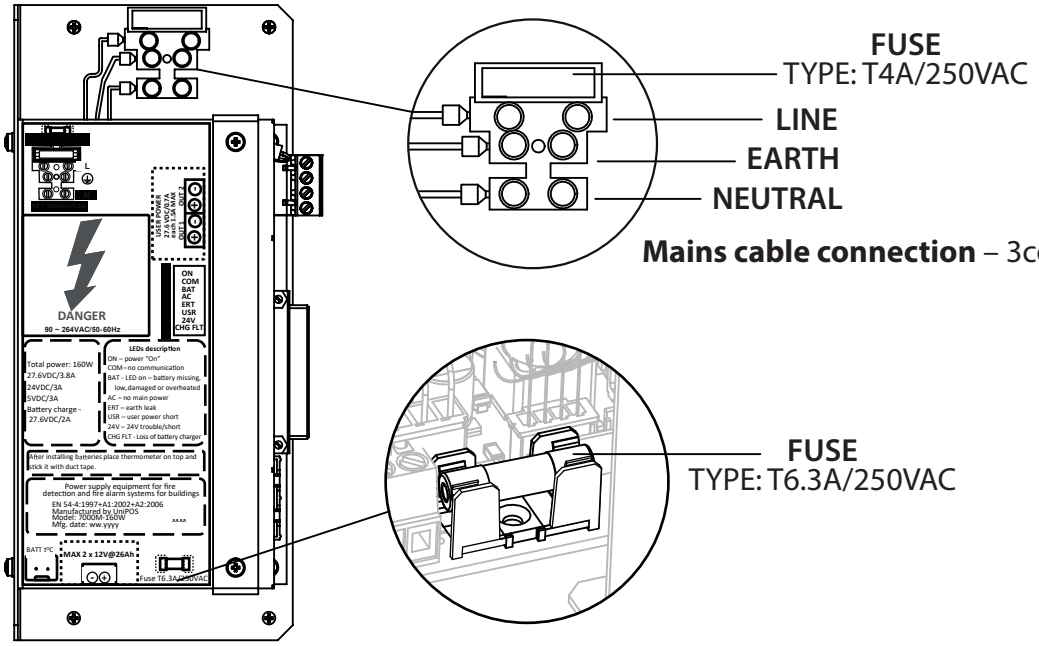
7000M / 7000-1MC





7000M +





Mains cable connection – 3core x 0,75mm^2 min cross section

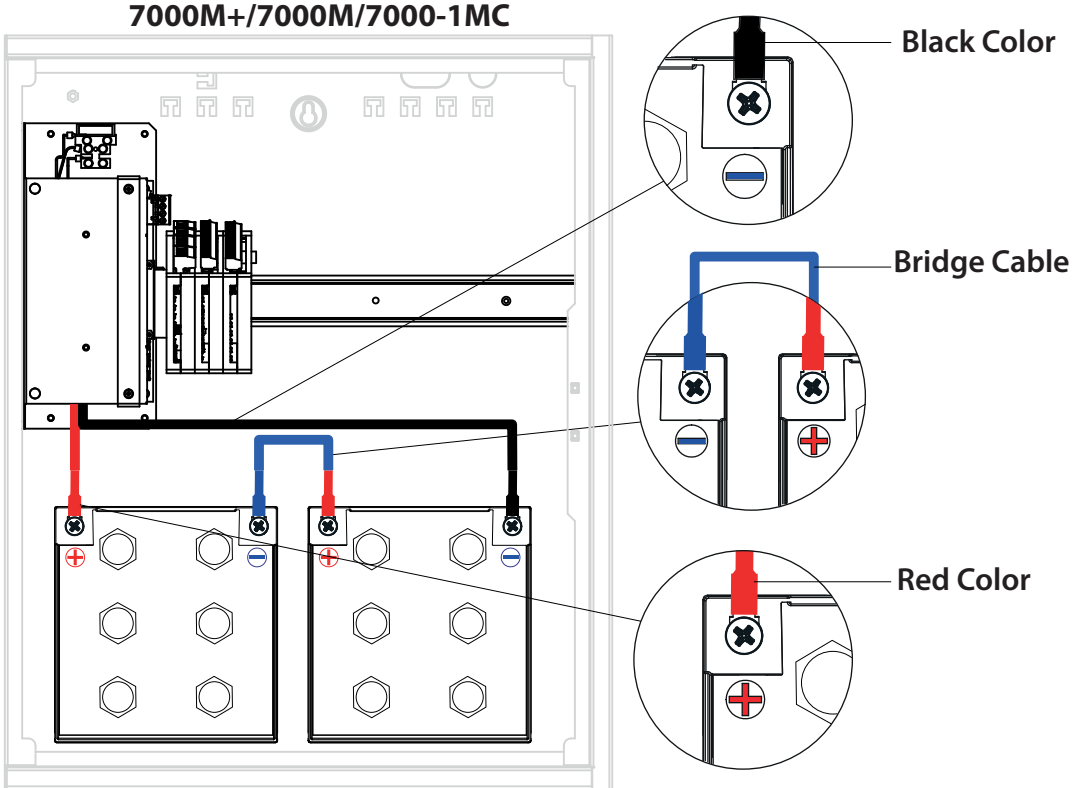
Maintenance

Back-up batteries must be provided in addition, from the installation company. Always check crimp connectors of battery connecting wires and their cable.

Type of batteries:

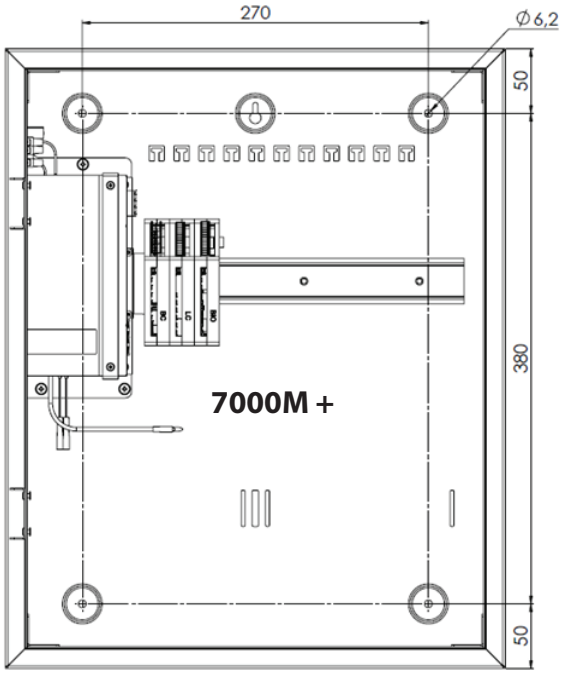
- capacity of recommended batteries - 26Ah/12V (for 7000M+) / 12Ah/12V (for 7000M and 7000-1MC)
- number of batteries – 2
- battery type and recommended models - sealed lead acid gel electrolyte, Power Sonic PS-12260 (for 7000M+) and Power Sonic PS12120 (for 7000M and 7000-1MC)
- maximum size batteries - 166mm x 176mm x 126mm +/ - 2mm (7000M+)
- maximum drawn current - 4A
- type of connection - serial
- connection type to batteries - bolt type M5 screw (7000M+) and FASTON female connector (7000M/7000-1MC)
- fuse batteries – 6.3A
- maximum internal resistance for connected battery - 80mΩ

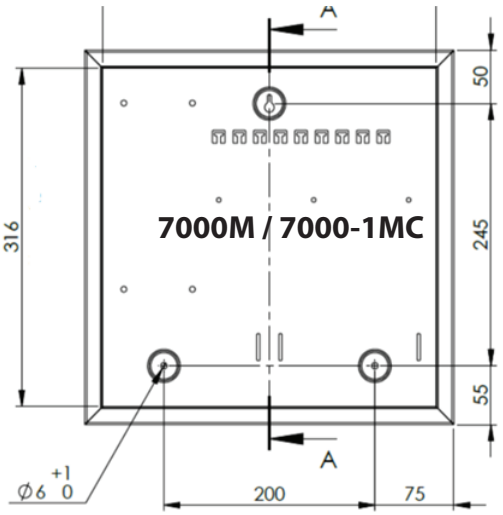
7000M+/7000M/7000-1MC



Installation and maintenance

To ensure optimal readability of the Fire Alarm Control Panel's display, the recommended mounting height of this cabinet top is approximately 175cm above the floor. Other panels should be mounted accordingly. Depending on the type of wall, please use suitable fasteners with a minimum load capacity of 140N each. Distribute the load on each of the fasteners evenly.

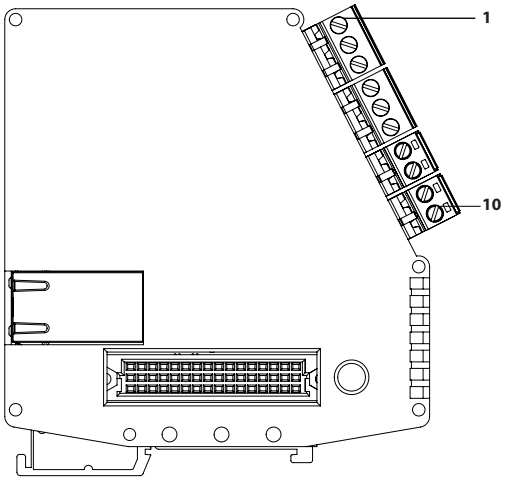




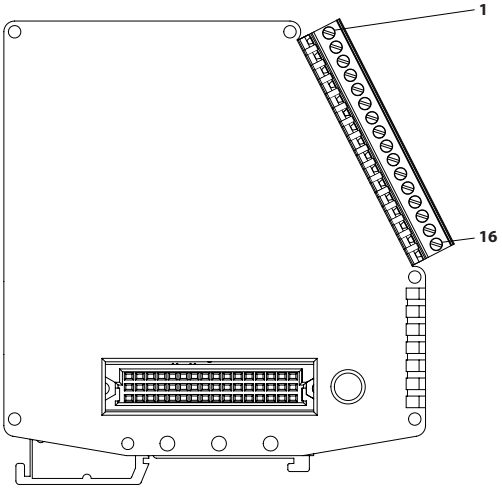
Installation Instructions:

1.Mark and drill three holes according to the provided drilling template.
2. Insert and partially fasten the upper screw.
3. Hang the cabinet onto the upper screw.
4. Partially fasten the bottom screws.
5. Securely tighten all screws to ensure stability.

DIN module Terminal markings



* Base module (part of 7000M+ and 7000M)

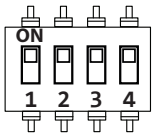


* 7000-1MC (part of 7000-1MC)
* LC (part of 7000M+ and 7000M)
* BIO module

DIN module type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Base module BM	CAN1 "H"	CAN1 "GND"	CAN1 "L"	CAN0 "H"	CAN0 "GND"	CAN0 "L"	"RS 485 B"	"RS 485 A"	NOT USED	NOT USED						
7000-1MC module	Loop 1"+" start	Earth	Loop 1"-" start	Loop 1"+" end	Earth	Loop 1"-" end	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	RS485-A	RS485-B	Earth	Earth
Loop module LC	**Loop 1"+" start**	**Earth**	**Loop 1"-" start**	**Loop 1"+" end**	**Earth**	**Loop 1"-" end**	Loop 2"+" start	Earth	Loop 2"-" start	Loop 2"+" end	Earth	Loop 2"-" end	**NOT USED**	**NOT USED**	Earth	Earth
Basic IO module BIO	Relay Output 1 – Normal Open	Relay Output 1 – COM	Relay Output 1 – Normal Close	Relay Output 2 – Normal Open	Relay Output 2 – COM	Relay Output 2 – Normal Close	Monitored Output 1 "+"	Monitored Output 1 "-"	Monitored Output 2 "+"	Monitored Output 2 "-"	Monitored Input 1 "+"	Monitored Input 1 "GND"	Monitored Input 2 "+"	Monitored Input 2 "GND"	User Output "+"	User Output "GND"

EOLs and BUS terminations

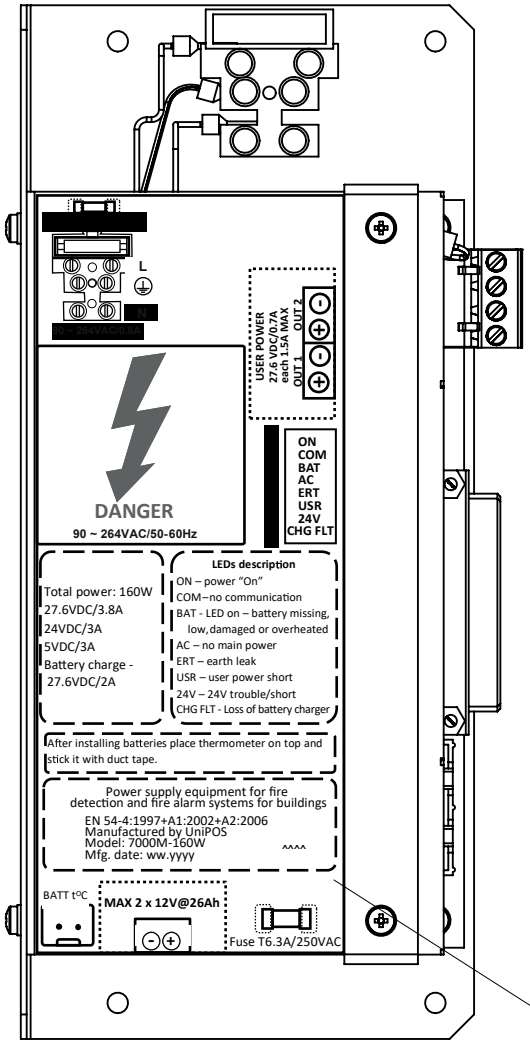
- Base module CAN termination - need to be placed 120Ω/0.6W resistors at the last panel (one resistor shall be connected between position 1 - 3 and other resistor between position 4 – 6)
- RS485 Repeaters addressation and termination:

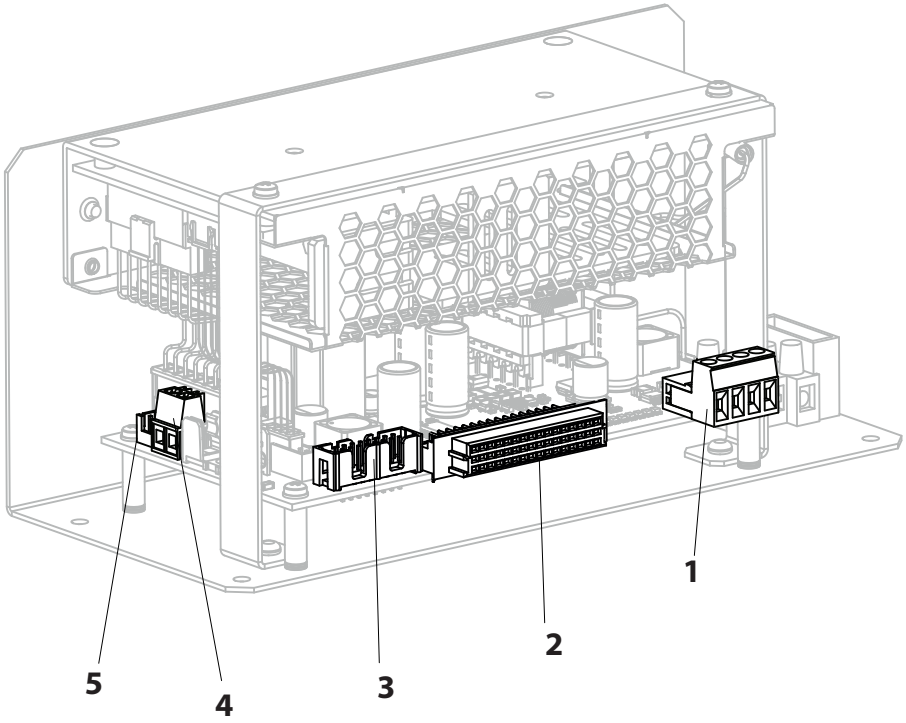


Set address using position 2, 3 and 4 from DIP switch RS485
Termination is selected from position 1 – ON

- BIO Monitored output EOL – 1.5 kΩ / 0.6W - (one resistor shall be connected between position 7 - 8 and other resistor between position 9 – 10)
- BIO Monitored input EOL - 3,3kΩ / 0.6W - (one resistor shall be connected between position 11 - 12 and other resistor between position 13 – 14)

Power supply unit





1 – Two user Outputs 27.6VDC/0.7A – permanently supplied – used for power supply of Repeaters or external loads

2 – DIN rail connector

3 – BUI power-communication connector

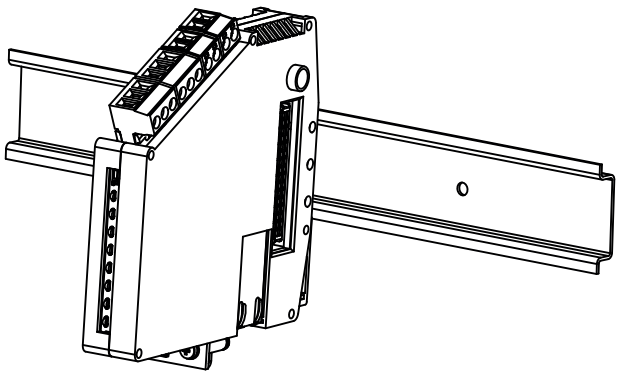
4 – Battery connector

5 – Battery Temperature sensor

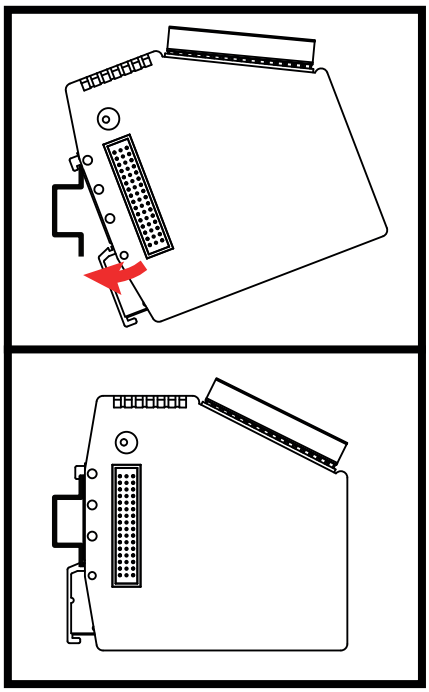
Additional information is provided on power supply unit!

Installation setup

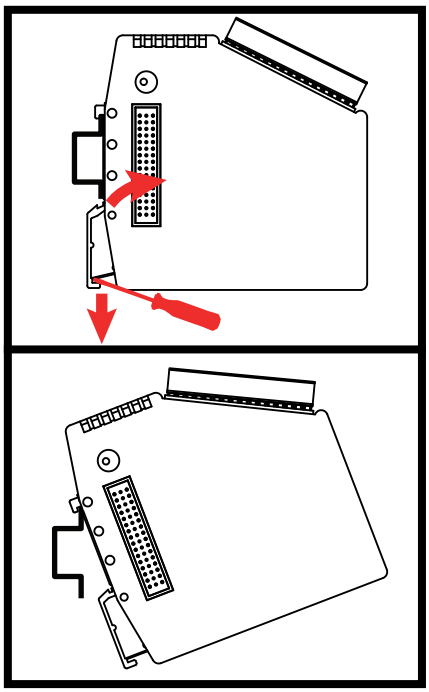
Installing DIN modules on DIN rail



Mount



Remove



Addressing and Configuration of the Fire Alarm Control Panel

PC ONLY

Please refer the setup instruction from the Fire alarm control panel manuals and UniConfig software

For detailed information, please check www.unipos-bg.com and the relevan Instruction manuals or contact UniPOS customer support.