

Product Safety Guide


Fire alarm control panel

7000-1MC



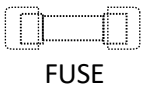
fire alarm systems
www.unipos-bg.com



 Before use, read
the instructions carefully!

Please read this guide, before attempting to operate the product, or before attempting any maintenance. Failure 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



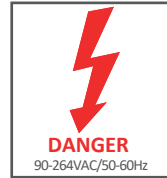
Fuse symbol

Before replacing any fuse the mains power (AC) shall be disconnected from the mains board in order to de-energize the phase conductors. The 7000-1MC 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.



DANGER symbol

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



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.



Electrostatic-sensitive components

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



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.



Caution Heavy load

Transportation package tend to be carried by two persons

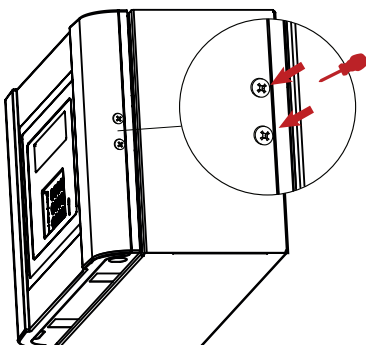
Basic hazards



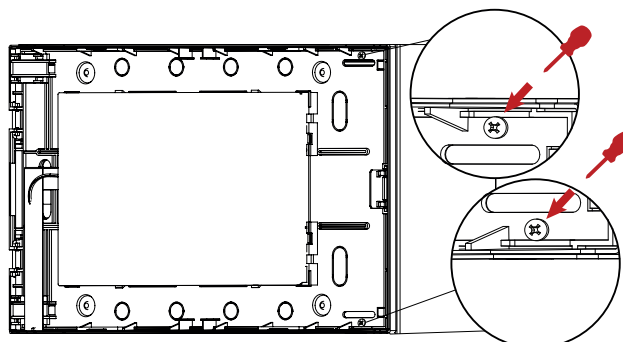
ES3 / PS3

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 7000-1MC equipment must be permanently connected to a dedicated single pole, 16 A, curve C circuit breaker, installed in the building's main board.

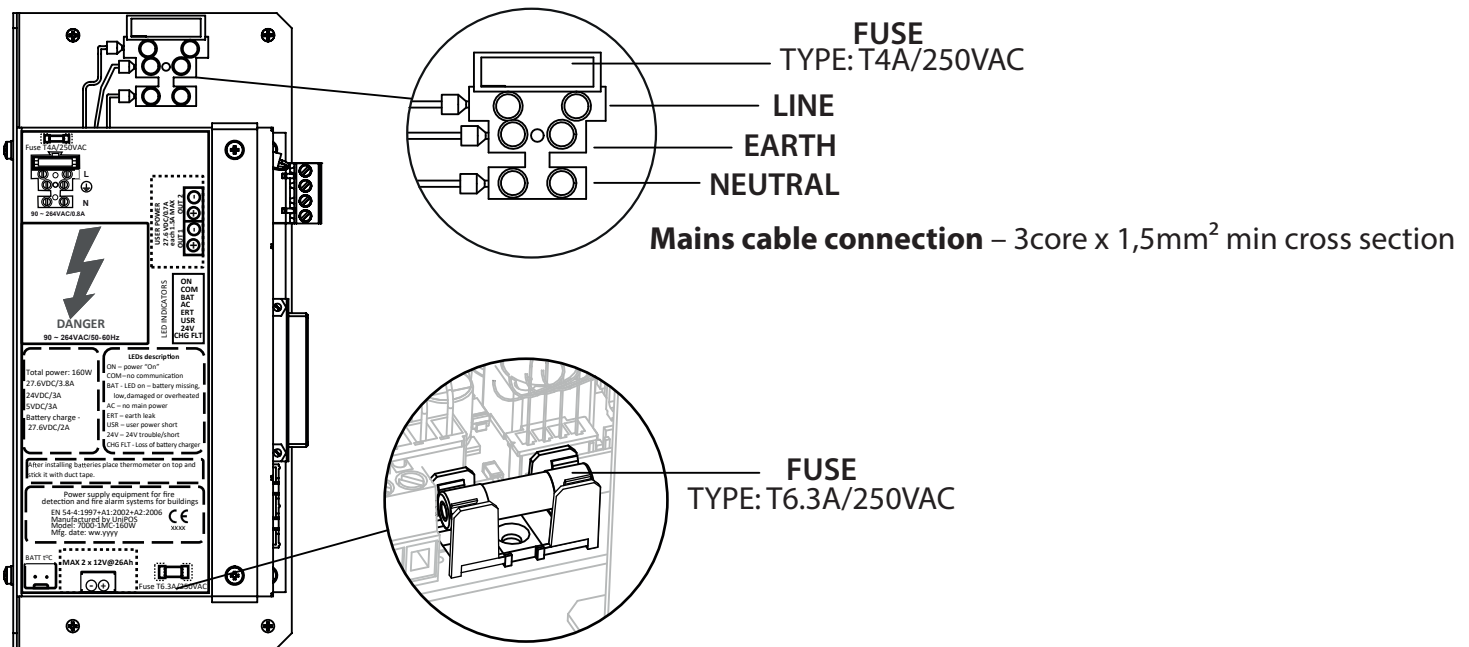


1



2

To open panel:
remove the screws



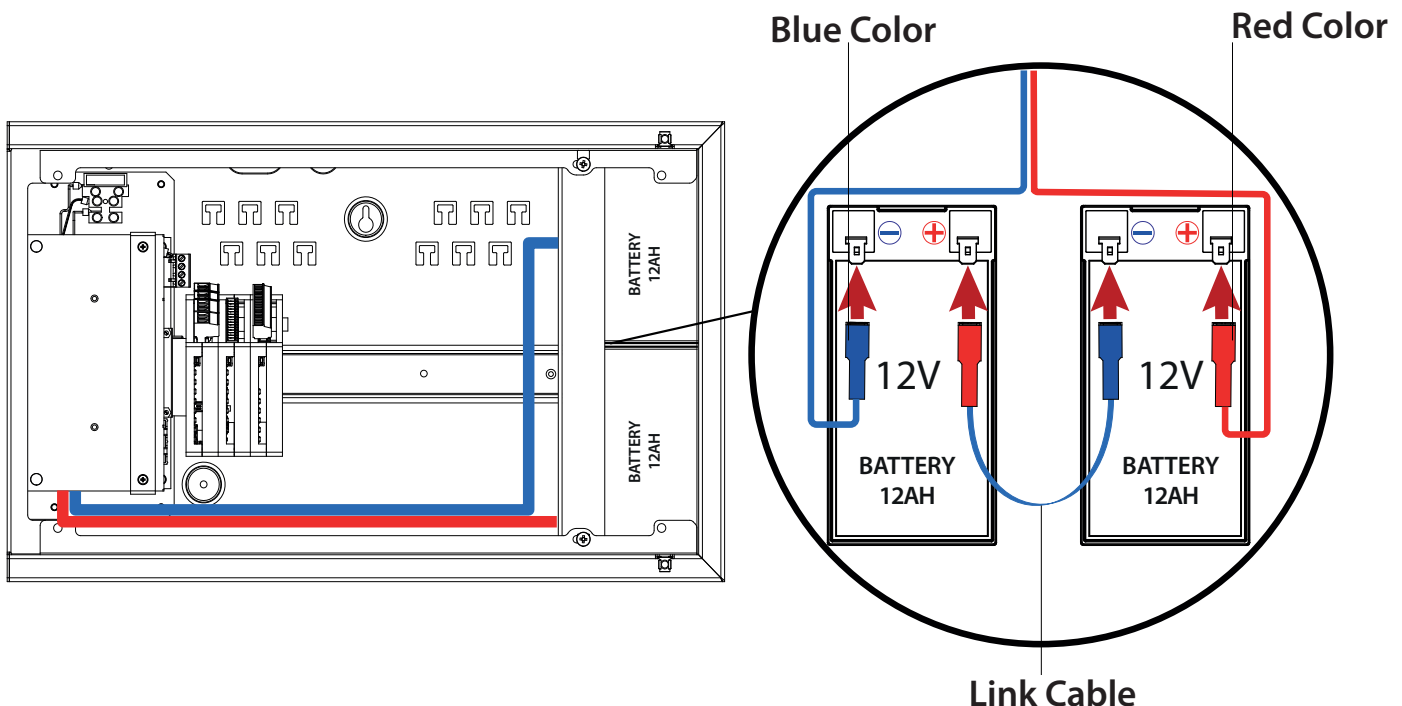
Maintenance



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:

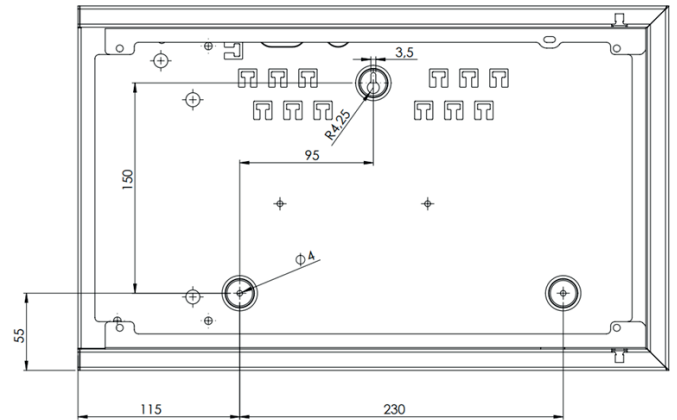
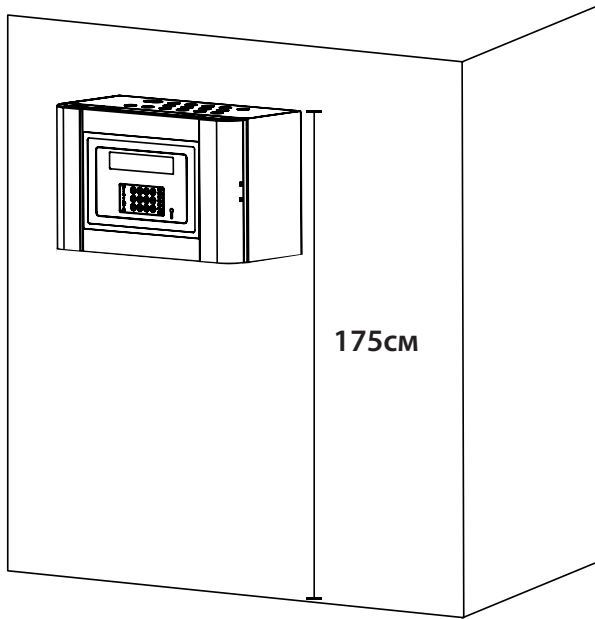
- capacity of recommended batteries* - 12Ah/12V
- number of batteries – 2
- battery type - lead, gel electrolyte
- maximum size batteries -151mm x 98mm x 95mm +/- 2mm
- maximum drawn current - 4A
- type of connection - serial
- connection type to batteries - isolated female cable shoes
- fuse batteries – 6A
- maximum internal resistance for connected battery -36mΩ



*recommended model: 6FM12

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.



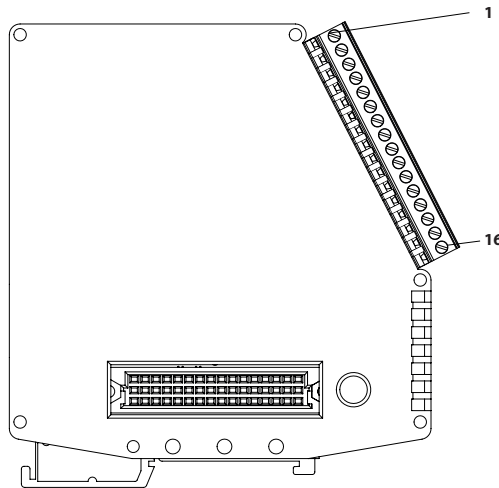
- Mark and drill the 3 holes according to the following scheme
- Partly fasten the upper screw
- Hang the cabinet onto the upper screw
- Partly fasten the bottom screws
- Tighten all screws



Note

This equipment shall not be used in locations where children are likely to be present.

DIN module Terminal markings

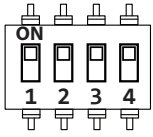


Module 7000-1MC or Module DIN8CL or Module BIO

DIN module type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Module 7000-1MC	Loop $\begin{smallmatrix} + \\ + \end{smallmatrix}$ Start	Earth	Loop $\begin{smallmatrix} + \\ + \end{smallmatrix}$ END	Loop $\begin{smallmatrix} + \\ + \end{smallmatrix}$ START	Earth	Loop $\begin{smallmatrix} + \\ + \end{smallmatrix}$ END	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	RS 485 "A" $\begin{smallmatrix} + \\ + \end{smallmatrix}$	RS 485 "B" $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Earth	Earth
Module DIN8CL	Line 1 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Line 1 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Line 2 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Line 2 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Line 3 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Line 3 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Line 4 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Line 4 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Line 5 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Line 5 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Line 6 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Line 6 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Line 7 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Line 7 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Line 8 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Line 8 $\begin{smallmatrix} + \\ - \end{smallmatrix}$
Module BIO	Relay Output 1 – Normal Open	Relay Output 1 – COM	Relay Output 2 – Normal Close	Relay Output 2 – Normal Open	Relay Output 2 – COM	Relay Output 2 – Normal Close	Monitored Output 1 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Monitored Output 1 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Monitored Output 2 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Monitored Output 2 $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Monitored Input 1 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Monitored Input 1 "GND" $\begin{smallmatrix} + \\ - \end{smallmatrix}$	Monitored Input 2 $\begin{smallmatrix} + \\ + \end{smallmatrix}$	Monitored Input 2 "GND" $\begin{smallmatrix} + \\ - \end{smallmatrix}$	User Output $\begin{smallmatrix} + \\ + \end{smallmatrix}$	User Output "GND" $\begin{smallmatrix} + \\ - \end{smallmatrix}$

EOLs and BUS terminations

- RS485 Repeater or led zonal indication addressation and termination:

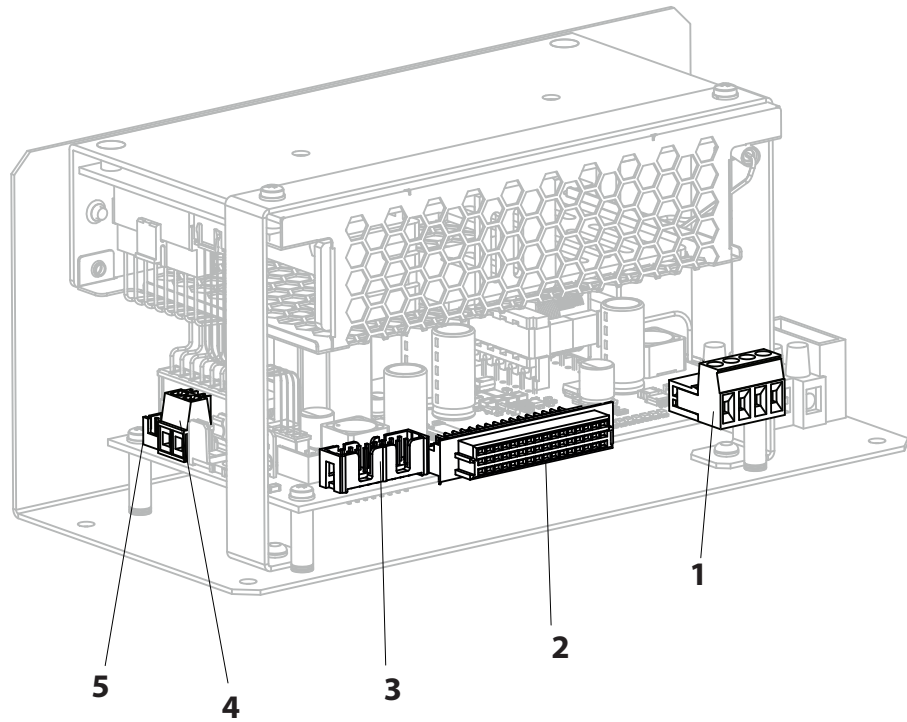
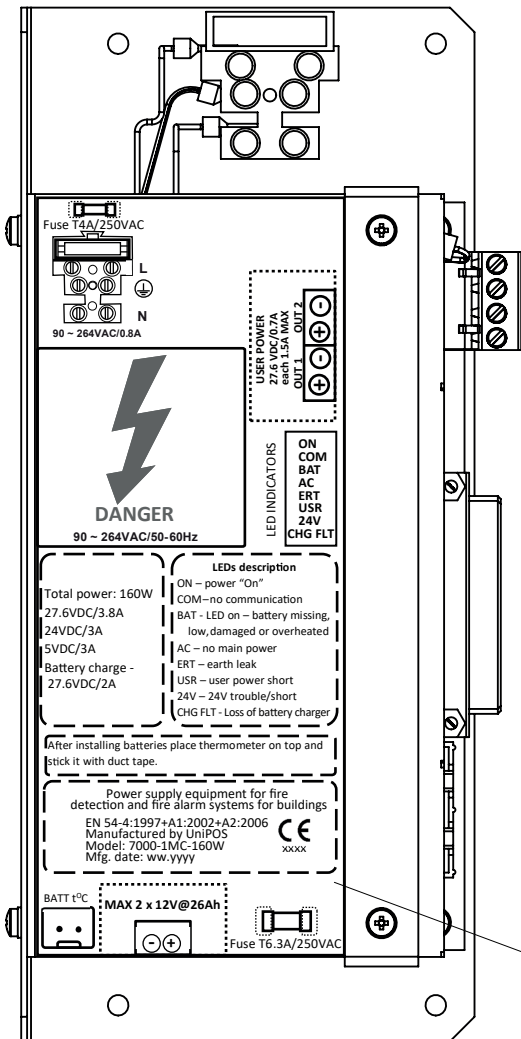


Set address using position 1 from DIP switch RS485
Termination is selected from position 1 – ON

Extended Zonal indication position selection and terminations - Each repeater and external zonal indication have 2 position DIP switch where position 1 is termination ON/OFF. Position 2 is applicable only for external zonal indication and defines position on front panel – left (DIN2 – OFF) or right (DIN2 – ON). For detail information please refer user manual.

- BIO Monitored output EOL – 1.5 k Ω / 0.6W - (one resistor shall be connected between position 7 - 8 and other resistor between position 9 – 10)
- BIO Monitored input EOL - 3,3k Ω / 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 and extended zonal indications

2 – DIN rail connector

3 – BUI power-communication connector

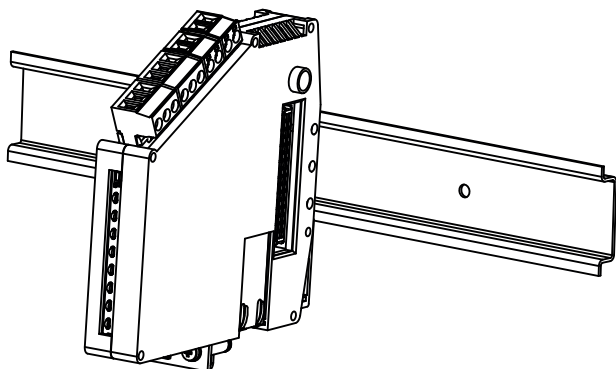
4 – Battery connector

5 – Battery temperature sensor

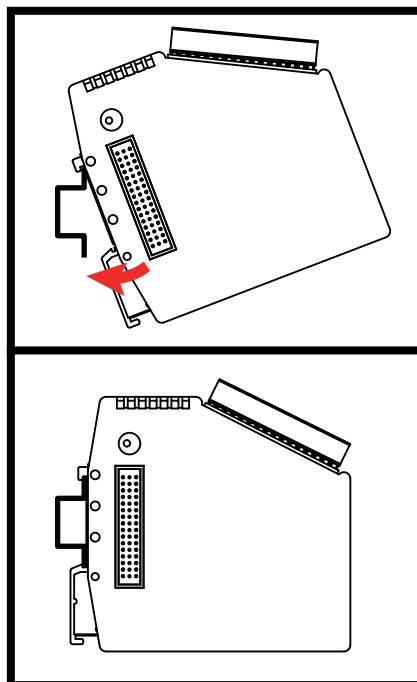
There is information sticker on the top of the PSU!

Installation setup

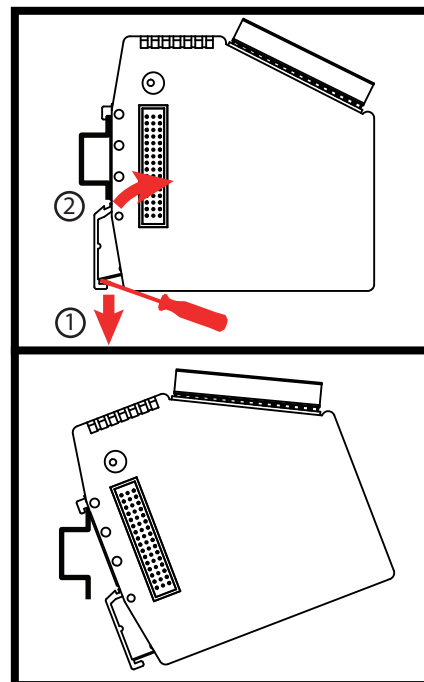
Installing DIN modules on DIN rail



Installation



Dismount



Addressing and Configuration of Control panel 7000-1MC



Please refer Clause 5 Setup manual 7000-1MC from Instruction manual 7000-1MC and UniConfig – Configuration steps

For other or more information, please check www.unipos-bg.com, Instruction manual 7000-1MC or contact UniPOS customer support