

**METAKOM**

группа компаний

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Grounding of the outdoor panels.

Grounding of the outdoor panels "Metakom" must be done, as indicated in the outdoor panels passports (section "Installation procedure"). With the correct installation in the intercom circuits (except the power supply unit) there is no voltage dangerous for human life. If the installation is not performed correctly (there is an electrical contact with the power circuits of the electrical wiring), the grounding allows to remove the electrical potential dangerous for a human and to switch on the protective equipment.

To prevent the electric shock in the case of poor installation of the elements of the intercom system, the grounding of the signal wires of the housing of the outdoor panel must be mandatory.

According to the rules for the installation of electrical installations (Rev.7), point 1.7.51-1.7.53 and GOST R 50571.3-2009 "Low-voltage electrical installations. Part 4-41. Requirements for safety. Protection against electric shock." The main protection against electric shock in the call unit is the use of ultra-low voltage protection. Since the call unit is installed in an external open environment (outdoor installation) and the conductive parts of the interphone circuits can accidentally or intentionally come into contact with conductive parts of other circuits, according to GOST R 50571.3-2009 "Low-voltage electrical installations. Part 4-41. Requirements for safety. Protection against electric shock." It is necessary to use additional protection, in this case it is protective grounding.

Voltage in the intercom systems "Metakom"

In the intercom systems of the brand "Metakom" there is no voltage above 24 V, except power supplies. There is no voltage higher than 12V in the handsets of the room intercoms. If the installation cable is properly laid in the interphone circuits (except for the power supply unit) there is no voltage dangerous from the point of view of fire safety. All outdoor panels have a system for protecting the communication line from short circuits.