



METAKOM

группа компаний

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TIN/RCR3232021687/325701001

Metakom MK2012

Object: 1 entrance (1 enter to the entrance), audio / video.

Required equipment:

Outdoor panel MK2012 – 1 pc (2 pcs - if parallel operation of the outdoor panels is planned in a bunch of wicket-door), exit button KV-2 – 1 pc,

Electromagnetic lock ML-400 – 1 pc. (Depending on the conditions of the object, it is possible to install a lock with a retention force of 100 to 450kg, and an electromechanical lock using the appropriate type of outdoor panel),

Coordinate commutator – COM-80U – ... pcs (depending on the number of subscribers (up to 25, up to 80, up to 100, up to 160, up to 220 subscribers, and installation of several (up to 7- number of subscribers up to 999), and switches with labeling UD for the organization of several entrances to the entrance)), Power supply BP-2U – 1pc (for powering the call and lock unit),

Power supply BP-2S – 1pc (for powering video equipment, if planned), Apartment handset TKP-09M (or other for intercoms with a coordinate system for addressing the production of Metakom) – ... pcs (depending on the number of subscribers).

Video monitor MKV-VM8 (or other production of Metakom *) – ... pcs (depending on the number of subscribers)

Video splitter (amplifier) MKV-D4C – ... pcs (if it is the video system; from the calculation of 1 video splitter for 4 subscribers).

Installation procedure:

1. Study the passports for the products used and the connection scheme carefully (sources-passport, project, technical information of the manufacturer's website).

2. Prepare a niche (the markings are shown in the passport) and install the outdoor panel, securely fasten it using the supplied fastener set. Connect the outdoor panel housing to the protective ground tire.

3. Install the power supply, lock, switches and opening button from the room. If multiple switches are used to increase the number of served subscribers (switch models with index "U"), it is necessary to install jumper J1, J2, J3 according to the address of the switch in the network (the values of jumpers are listed in the switch's passport). **If you use one switch, then jumpers must be removed.**

If possible, install the power supply and the switch in boxes, niches, at the ceiling. The power supply should be installed not more than 15 meters far, and the switchboard within 30 meters from the outdoor panel.

4. Install the wiring in accordance with the cable types and installation requirements recommended by the manufacturer (see recommendations), make wiring connections.

It is necessary to take into account the total resistance of the audio communication line – it should not exceed 30 Ohm. The total resistance is made up of the resistance of the wires from the outdoor panel to the switch and the resistance of the line from the switch to the subscriber (the resistance of the two conductors "+" and "-" of the line is taken into account).



In versions of the outdoor panel with the index V, the built-in video camera can be powered from external or internal voltage of 12V. For power supply from the internal source, the terminals "+ UV" and "+ 12V" must be closed.

5. Install apartment handset in the apartment (and video monitors if there are video system).

The "+" terminal of the TCH is connected to the bus of tens, and "-" TCH is connected to the bus of the switch units. Before connecting the TCH, the line must be checked for a short circuit (line resistance should not exceed 30 ohms). In the intercom there is protection against short circuit of the line. At this time, communication with the TCH will be impossible. All other functions are available.

6. Check the quality and correctness of the connections, the integrity of the insulation and the reliability of setting the mounting wires.

Check for grounding of the call unit and the metal door. Check the fastening of the electromagnetic lock and its armature and make a tightening of the threaded connections.

7. Switch on the power. Check the supply voltage of the intercom units for compliance with the passport data (the voltage supply of the call unit is 15 ... 18V, the current consumption is not more than 0.3A).

8. Enter the programming mode (see the passport) and perform the necessary actions to configure the equipment (as well as the settings corresponding to the object and subscriber requirements) **.

After turning on the power, the symbol "_" will flash on the indicator, enter the programming mode (see section 7.2) and perform the following operations:

a) Change the access code to the programming mode and, if necessary, program the master TM key. Be careful when entering the code (see chapter 7.3, section 23, 24). **WRITE THE MASTER CODE!**

b) If necessary, set the shift of the range of subscriber numbers (see chapter 7.3 of section 1, enter the number of the first subscriber, connect it to the terminals of the switch E1 D0). This parameter should always be set first, since all further operations with subscriber numbers will depend on the set offset.

* – work of third-party video monitors in the intercom system Metakom is not guaranteed.

c) Program subscriber TM keys. (see chapter 7.3 of Section 3).

d) If a common code is used in the code lock mode, then change the common code and enable the common code mode. Write down the general code (see chapter 7.3, section 13, 14).

e) If individual codes are used, create a code table. Record the code table number. Turn on the mode of individual codes (see chapter 7.3, section 13, 15, 16).

f) If necessary, change the duration of the ringing signal, the duration of the lock opening, the time for limiting the call, etc. The factory settings are in most cases optimal.

Complete all settings that meet the requirements of a specific object.

It is possible to configure all the intercom parameters and key entry (recording) in advance (points a ... f), as well as transfer settings from one doorphone to another using a special program on the PC, adapter

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METAKOM MKA-02U and the Dallas iButtontm DS1996 (L) TM key, all parameters are stored in the device's non-volatile memory (EEPROM) and then transferred to the object.

9. Check the operation of the call unit in the doorphone mode and in the code lock mode. Carry out a check of the functioning of the electromagnetic lock, the exit button and an emergency exit button, if there is one.

Check the opening of the door from the electronic key, if it is allowed to open by individual or common code - check the opening by code. Check the time of the door being in the open state and adjust this parameter, if necessary.

Make a call to the first and the most remote subscriber, check the communication quality, open the door from the subscriber unit. If necessary, correct the corresponding parameters, if the volume of the call is insufficient, adjust the sensitivity of the microphone and the speaker volume with the trimmer resistors on the back of the call unit.

10. Make a note in the tear-off coupons about the date of putting the unit into operation.

** – programming work is carried out in accordance with the passport attached to the equipment that contains all possible options for settings (or download the required version of the passport corresponding to the model of the outdoor panel from the manufacturer's website).