

Satel[®]

CE 1471

MKP-300

WIRELESS KEYPAD



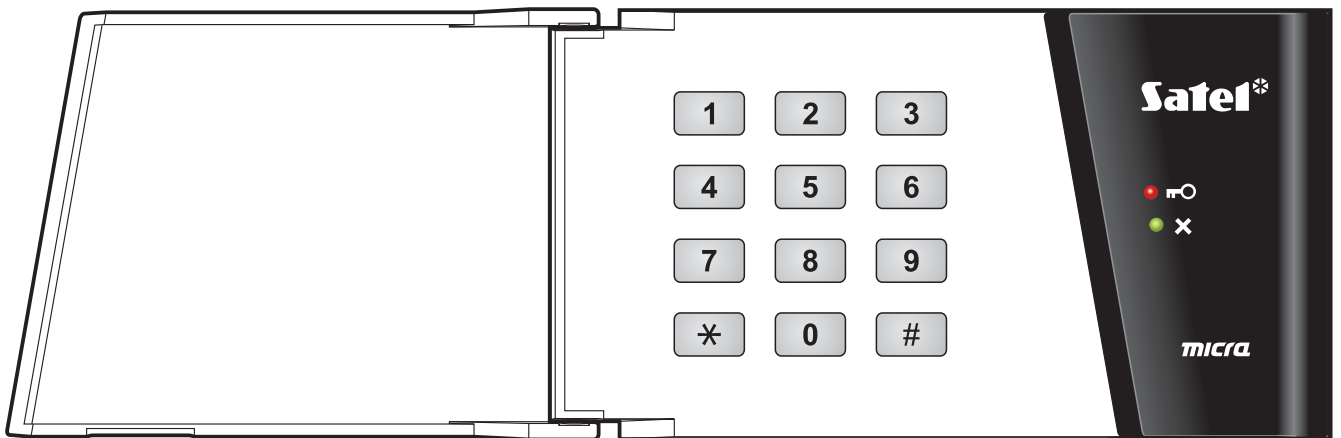
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The MKP-300 keypad allows you to operate the MICRA security system. It can work in conjunction with the MICRA module running in the alarm module mode (firmware version 2.02 or newer).

1. Features

- Up to 8 programmable codes for system users.
- Arming / disarming and clearing alarms in the system.
- Control of MICRA module outputs.
- Triggering PANIC, FIRE or AUXILIARY alarm.
- Transmissions secured with rolling code.
- Confirmation of performed operations by LEDs and sound signals.
- 12 keys with backlight.
- Tamper protection in 2 ways – cover removal and tearing enclosure from the wall.

2. Description



After performing certain operations on the keypad (see Section SECURITY SYSTEM OPERATION), commands will be sent to the MICRA module by radio.

Every 15 minutes, the keypad sends a transmission containing information on the status of the tamper contact and battery. Periodic transmissions are used to monitor presence and operation of the keypad by the MICRA module. In case of the tamper contact opening, information about the keypad tamper will be sent immediately.

2.1 LED indicators

The keypad is provided with two LEDs:

- ☐○ - red color;
- ☐× - green color.

When you press any key, one of the LEDs will come on, providing indication that the keypad was recently used to:

- ☐○ - arm the system;

- ✘ - disarm the system (or it's a keypad with factory settings which has not been used for arming / disarming).

The LED will remain lit for 15 seconds after pressing the key.

When performing operations on the keypad, the LEDs are used for communication with the user.

2.2 Sound signaling

When performing operations on the keypad, the following sounds are generated:

- 1 **short beep** – pressing any numeric key.
- 2 **short beeps** – starting function or correct code confirmation.
- 3 **short beeps** – command sent confirmation:
 - arming;
 - disarming and alarm clearing.
- 4 **short and 1 long beep** – command sent confirmation:
 - output control;
 - triggering fire or auxiliary (medical) alarm.
- 2 **long beeps** – unknown code or function not available.

3. Installation



There is a danger of battery explosion when using a different battery than recommended by the manufacturer, or handling the battery improperly.

Be particularly careful during installation and replacement of the battery. The manufacturer is not liable for the consequences of incorrect installation of the battery.

The used batteries must not be discarded, but should be disposed of in accordance with the existing rules for environment protection.

1. Open the enclosure.
2. Install the battery and register the keypad in the MICRA alarm module (see the manual for MICRA alarm module).
3. Close the enclosure.
4. Select the place of installation. Check that the transmissions from the keypad placed at that point reach the MICRA alarm module. In order to send a transmission, close and open the tamper contact. If the alarm transmission is received, continue with the installation. If the alarm transmission is not received, select a different mounting location and repeat the test.
5. Open the enclosure.
6. Using wall plugs (screw anchors) and screws, fasten the enclosure base to the wall.
7. Close the enclosure.

4. Codes

The MICRA system can be operated from the keypad after entering the code (only a few functions can be run without entering the code). The code consists of four digits. Pre-programmed by default in the keypad is the administrator code: **1234**.

Notes:

- *The factory code should be changed as soon as possible.*
- *The administrator code can not be deleted.*
- *The MICRA module can be preprogrammed by the installer so that entering an invalid code three times will trigger an alarm.*

The administrator code makes it possible to assign individual codes to the people who are to use the security system. For security reasons, different people should not use the same code.

4.1 Changing own code

1. Press in turn the **1** and ***** keys. 2 short beeps will confirm starting the function. The **LED** will start blinking.
2. Enter the current code. 2 short beeps will confirm the correct code entry. The **X** LED will start blinking.
3. Enter the new code and confirm with the **#** key (or press the ***** key to cancel changing the code). 4 short beeps followed by 1 long beep will confirm the change of code.

4.2 Adding new code

1. Press the key with digit corresponding to the number of code to be added (if a code with this number already exists, it will be changed).
2. Press the ***** key. 2 short beeps will confirm starting the function. The **LED** will start blinking.
3. Enter the administrator code. 2 short beeps will confirm the correct code entry. The **X** LED will start blinking.
4. Enter the new code and confirm with the **#** key (or press the ***** to cancel adding the code). 4 short beeps followed by 1 long beep will confirm the addition of new code.

4.3 Deleting code

1. Press the key with digit corresponding to the number of code to be deleted.
2. Press the ***** key. 2 short beeps will confirm starting the function. The **LED** will start blinking.
3. Enter the administrator code. 2 short beeps will confirm the proper code entry. The **X** LED will start blinking.
4. Enter **0000** and confirm with the **#** key (or press the ***** key to cancel deleting the code). 4 short beeps followed by 1 long beep will confirm the deletion of code.

5. Security system operation

After registration in the MICRA module, the keypad will let you arm or disarm the system and clear alarms. The functions of output control and alarm triggering are available if the MICRA module is configured accordingly by the installer.

5.1 Arming

Enter the code and then press the **#** key. Sending the arming command will be confirmed by 3 short beeps and the **LED** coming on.

5.2 Disarming and alarm clearing

Enter the code and then press the ***** key. Sending the disarming / alarm clearing command will be confirmed by 3 short beeps and the **X** LED coming on.

5.3 Output control

1. Press and hold down for about 3 seconds the key to which the control function is assigned (the installer can assign the control function to keys 1-4). 2 short beeps will confirm starting the function. The **LED** and **X** LEDs will start blinking.
2. Enter the code. 4 short beeps followed by 1 long beep will confirm the sending of control command.

5.4 Triggering alarm from the keypad

Triggering fire alarm

Press and hold down for about 3 seconds the ***** key. 4 short beeps followed by 1 long beep will confirm the sending of alarm triggering command.

Triggering auxiliary (medical) alarm

Press and hold down for about 3 seconds the **0** key. 4 short beeps followed by 1 long beep will confirm the sending of alarm triggering command.

Triggering panic alarm

Press and hold down for about 3 seconds the **#** key. Sending the panic alarm triggering command will not be confirmed by sound signal.

6. Restoring factory settings

1. If the keypad is registered in the MICRA module, start the test mode in the module.
2. Open the enclosure.
3. Remove the battery.
4. Press simultaneously the ***** and **#** keys and then insert the battery. The **⏻** and **✖** LEDs will come on.
5. Release the ***** and **#** keys.
6. Press the **1** key. 4 short beeps followed by 1 long beep will confirm the restoration of factory settings.
7. If the keypad was registered in the module, register it again (otherwise it will not be supported).

7. Specifications

Operating frequency band	433,05 ÷ 434,79 MHz
Radio communication range (in open area)	up to 200 m
Battery	CR123A 3 V
Battery life expectancy	approx. 3 years
Standby current consumption	80 µA
Maximum current consumption	20 mA
Environmental class according to EN50130-5.....	II
Operating temperature range	-10 °C...+55 °C
Maximum humidity.....	93±3%
Dimensions.....	144 x 80 x 27 mm
Weight	164 g

Hereby, SATEL sp. z o.o., declares that this keypad is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The declaration of conformity may be consulted at www.satel.eu/ce

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