In accordance with the EU Directive 2012/19/EU on waste electrical and electronic equipment, the keypads should be disposed of separately from household waste. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points.

In accordance with EU Directive 2006/66/EC, batteries (included in the product) should be disposed of separately from household waste. For proper recycling, return the batteries to your local supplier or dispose of them at designated collection points.

7 WARRANTY OBLIGATIONS AND REPAIR INFORMATION

The manufacturer guarantees compliance of the keypad with the declared characteristics during the warranty period of operation and under the conditions of transportation, operation, and storage.

The warranty period is 36 months and is valid from the date of sale specified below or in other accompanying documents (contract, invoice, etc.). If you do not provide a document confirming the date of sale of the keypad - the warranty period is calculated from the date of manufacture of the keypad.

_____ _____

(date of sale) (seller's signature) seller's stamp

The keypad is repaired by the manufacturer or its authorized representative. The keypad is repaired for free, in case the warranty period has not expired, and it was operated in accordance with the accompanying documentation. For repairs, the keypad is sent together with the document, which indicates the date of sale, and with a letter stating: the nature of the fault, the place of operation, contact person for repair.

If the keypad is not working properly, please contact technical support first, perhaps this problem can be resolved remotely.

The date of manufacture of the keypad and/or its serial number are indicated on the keypad label and packaging.

Information about limitation of liability is available in the "Warranty" section on the website: tiras.technology.

8 CONTACTS OF THE MANUFACTURER

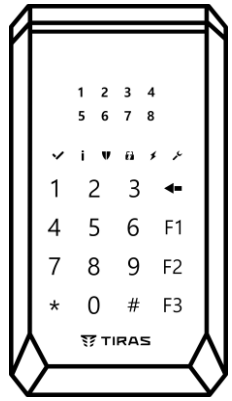
“Tiras-12” LTD, Ukraine, Vinnytsia, Khmelnytskoho Shose lane 2, b. 8

Sales department: market@tiras.ua

Technical support: support@tiras.ua

Warranty and post-warranty service: otk@tiras.ua

TIRAS technologies



X-Pad

Wireless keypad

User manual

CE

“Tiras-12” LTD
Ukraine, Vinnytsia,
Khmelnytskoho Shose lane 2, b. 8

More information on the site
tiras.technology

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1 GENERAL INFORMATION

X-Pad is a wireless keypad (further – keypad) intended to control the security alarm system (arming and disarming the security group, automation control, etc.) and view its status. The X-Pad keypad is compatible with Orion NOVA X security control panel (further – SCP). The X-Pad keypad is also compatible with SCPs Orion NOVA S (LTE), Orion NOVA M (LTE), Orion NOVA L (LTE) with the M-X wireless expansion module installed on them.

To control the security alarm system, there are touch keys on the front panel, that are illuminated when low light and raise your hand to the keypad. The keypad is equipped with light indicators that display the state of the system (arming, faults, alarms).

The keypad is intended for 24h work in the premises with regulated climatic conditions without the direct influence of climatic factors of the environment.

2 SPECIFICATIONS

Technical specifications of the keypad are given in Table 2.1.

Table 2.1 – Keypad specifications

Parameter	Value
Keypad sensor type	Capacitive
Number of zone/group status indicators	8
Battery	AAA (4pcs.)
Radio signal frequency range, MHz	868.0-868.6
Maximum bandwidth of the channel, kHz	100
Maximum deviation of the channel frequency, kHz	6
Maximum transmitter power, mW	25
Encryption	AES
Maximum range of radio communication in open space, m	3000
Overall dimensions without legs (L×W×H), mm	88×160×19
Weight, g	150
Operating temperature range at relative humidity up to 75% without condensation	from -10°C to +40°C
Average battery life, years	2
Average service life, years[1]	10

Note. 1. Does not apply to batteries.

3 INSTALLATION

Before installation of the keypad, open its case to access the mounting holes from the inside. To open the case, unscrew the screw at the bottom of the case (not completely) and pull the screw on itself (holding the base of the case with your fingers through the hole inside). The keypad is designed for wall mounting. At the base of the case, there are six holes for mounting on the wall. The G3-based case element is used for the case tamper detection and separation from the wall. It should be fixed with a screw to the wall. When the base of the case is separated from the wall, the element G3 remains on the wall, leading to the tamper break. **The maximum permissible deviation of the mounting points should not exceed 1 mm.**

The installation dimensions of the keypad are shown in Figure 3.1.

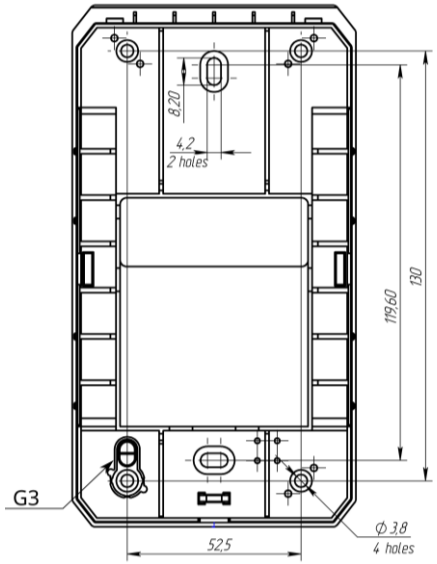


Figure 3.1 - Installation dimensions of the keypad

The description of the keypad board elements is shown in Figure 3.2.

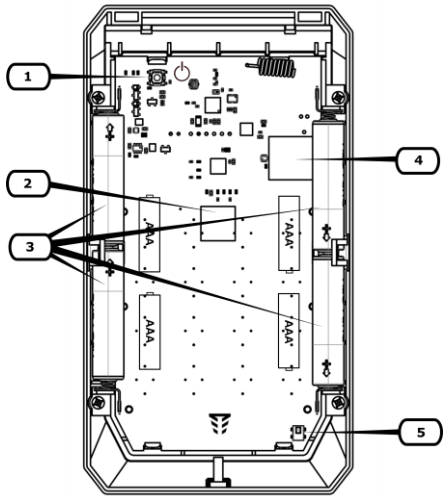


Figure 3.2 - Description of the keypad elements
1 – "Start" button; **2 –** QR code for assigning; **3 –** battery; **4 –** buzzer; **5 –** tamper button.

Caution:

1. Printed circuit board of the keypad contains static-sensitive components. To avoid damage to sensitive components before handling any boards you should discharge static electricity in your body by touching the ground.
2. Batteries replacement must be performed by qualified personnel. The batteries must be connected properly according to their polarity.
3. To ensure the safety of the device and the declared characteristics, it is not allowed to replace the batteries with another type.
4. It is not allowed to use batteries with visible damages.
5. The manufacturer is not responsible for the results of incorrect batteries installation.

4 OPERATION

Operation of the keypad is carried out according to the SCP user manual.

Each keypad has a unique serial number, which is specified in the QR code and duplicated below it. The serial number of the keypad is indicated under the QR code which is specified on the printed circuit board and duplicated on the package.

To work with the SCP, the keypad should be added to the SCP settings. The keypad is added after successive assignment and activation processes:

1. The keypad **assigning** to the SCP is performed using **oLoader II** software (creating a new wireless keypad and entering the keypad serial number) or **Control NOVA II** software (entering the keypad serial number for a previously created wireless keypad in the oLoader II software). Assignment and adjustment (time parameters for test messages, number of missed tests, etc.) of the keypad is carried out according to the SCP user manual.

2. After successfully assigning the keypad to the SCP it is necessary to carry out the **process of activating** the keypad (switching on, exchanging settings, and switching to the operating mode of the SCP). To activate the keypad, first enable the activation mode on the SCP and then press the power button. Activation lasts up to 4 seconds, while the buzzer sounds with a period of 0.5 s. This operation mode of the SCP can be started using the Control NOVA II software by clicking the appropriate button in the "Wireless Devices" tab of the required wireless zone from the list of available. Other ways to switch the SCP to activation mode (by means of the keypad, after switching on the SCP) are described in the user manual on the appropriate SCP. The description of the X-Pad indication after activation is given in Table 4.1.

When adding the keypad to the SCP using the Control NOVA II software, the processes of assignment and activating the keypad occur automatically when performing the specified steps (scanning the QR-code and pressing the "Start" button).

Table 4.1 – Description of the keypad display after activation

Sound indication	Activation result
Sounds three times	Successful activation of the keypad and addition to the SCP
Sounds twice	Activation failed. The serial number of the keypad does not match the serial number entered in the SCP settings
Sounds once	Activation failed. The keypad is out of range of the wireless network, or the SCP is off or not in activation mode

In the activated and ready-to-use keypad, the buzzer will sound once when the "Start" button is pressed.

Before entering the access code on the activated keypad, press (1 sec) any button to "wake up the keypad" – multi-tone signal sounds.

To **switch off** the keypad, press and hold the power key (3 s) and after the second short buzzer signal, release the key. This is followed by one long signal that will indicate the execution of the shutdown command.

To **turn on** the keypad, briefly press the "Start" button. This is followed by 3 short buzzer signals.

The keypad can be **removed** by the installer and administrator of the Control NOVA II software in the "Wireless Devices" tab, as well as by the installer using the display keypad.

To **reset the keypad to factory settings** (and remove the keypad from the SCP settings if the keypad is connected to the SCP), press and hold (6 sec) the "Start" button and after double buzzing, release the button. After deleting, the keypad turns off (the buzzer will additionally signal).

The keypad also provides measurements of temperature, signal level with the SCP, and battery charge. These parameters are constantly monitored by the keypad and transmitted and displayed in the oLoader II and Control NOVA II software.

Warning! For the correct operation of the touch key of the keypad, when it is turned on, foreign objects should not be present on the touch-field.

5 PACKAGE CONTENTS

After unpacking, visually inspect the keypad to make sure it has no mechanical damage, check the completeness according to Table 5.1.

Table 5.1 - Package contents of the keypad

Name	Quantity, (pcs.)
X-Pad keypad	1
User manual	1
Battery AAA (VARTA) (pre-installed)	4
Dowel 6×30	4
Screw for the dowel 3.0×30	4

ATTENTION! The characteristics and package contents of the keypad may be changed by the manufacturer without additional notification.

6 REGULATORY COMPLIANCE

Hereby, "Tiras-12" LTD declares that the radio equipment model X-Pad is in accordance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: tiras.technology.

The X-Pad keypad is designed so that it can be operated as intended in the EU countries, without violating the applicable requirements for the use of the radio spectrum.

The X-Pad keypad has no restrictions on commissioning in EU countries and does not require obtaining a permit for use.

The X-Pad keypad complies with RoHS Directive 2011/65/EU.