

The logo for 'eldes' is displayed in white lowercase letters on a dark blue rectangular background. A white horizontal line is positioned above the letters, and a white vertical line is positioned to the right of the letters, meeting the horizontal line at the top right corner.

EWKB4

WIRELESS LED KEYPAD

INSTALLATION GUIDE v1.2

EN

RU

LT

DE

EN

EWKB4 is a wireless keypad that is compatible with ELDES alarm systems. The device comes equipped with LED indicators, rubber push-buttons (keys) and a variety of functions, such as arming/disarming, PGM output control (turn ON/OFF), violated zone bypass, system setting configuration etc.

RU

EWKB4 это беспроводная клавиатура, предназначенная для работы с охранными системами ELDES. Устройство оснащено LED индикаторами, клавишами с резиновом покрытием и многочисленными функциями, такими как постановка/ снятие системы с охраны, управление ПГМ выходами (ВКЛ./ВЫКЛ.), блокировка нарушенных зон, конфигурация настроек системы и т.д.

LT

EWKB4 - tai belaidė klaviatūra, suderinama su ELDES apsaugos sistemomis. Įrenginys turi integruotus LED indikatorius, guminius mygtukus (klavišus) bei palaiko daugybę funkcijų, tokių kaip apsaugos įjungimas/išjungimas, PGM išėjimų valdymas (įjungti/išjungti), laikinas pažeistų zonų atjungimas, sistemos nustatymų konfigūravimas ir t.t.

DE

EWKB4 ist eine Funktastatur, die mit den ELDES Alarmsystemen kompatibel ist. Das Gerät ist mit LED-Anzeigen, Gummitasten und einer Vielzahl von Funktionen ausgestattet, zB Scharfschalten / Deaktivieren, PGM-Ausgang (Ein- / Ausschalten), Umgehen einer verletzten Zone, Konfigurieren der Systemeinstellung etc.

EN CONTENTS OF PACK

RU СОСТАВ УПАКОВКИ

LT PAKUOTĖS SUDĖTIS

DE INHALT DER PACKUNG

1 x



3 x



4 x



1 x



1 x



EN

INSTALLATION

LT

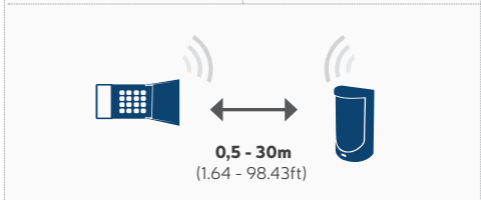
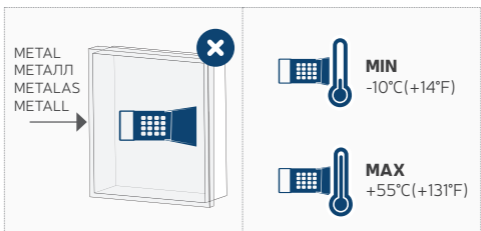
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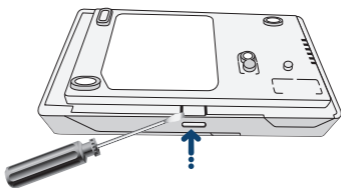
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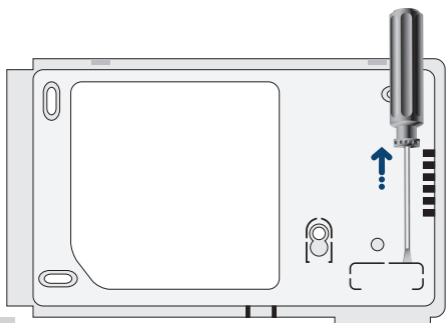
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INSTALLATION

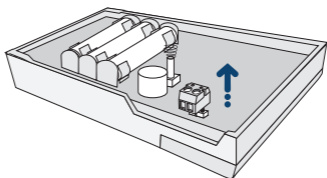




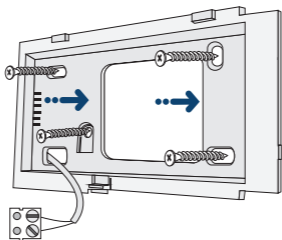
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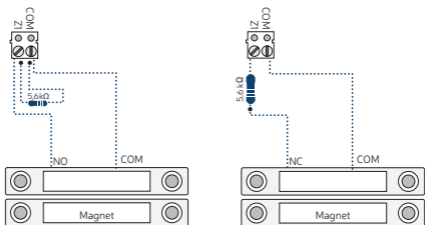
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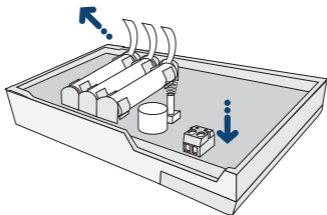
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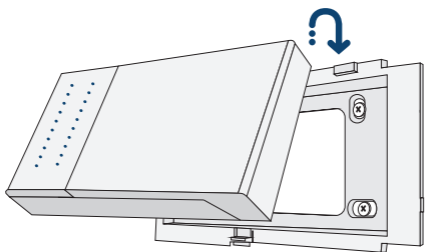
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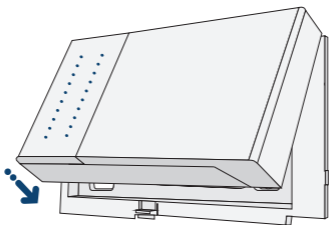
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6



7



8



ELDES
configuration
software

1. GENERAL OPERATIONAL DESCRIPTION

MAIN FEATURES:

- Arming and disarming
- STAY-arming
- Violated zone bypass and bypassed zone activation
- System configuration
- PGM output control
- Built-in temperature sensor
- Wake-up on front cover opening, keystroke or keypad zone violation
- Back-light
- Visual indication by LED indicators
- Audible indication by built-in buzzer

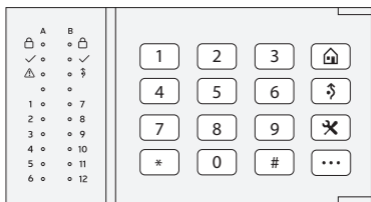
EWKB4 is a wireless accessory intended for ELDES alarm systems ESIM364, ESIM384, PITBULL ALARM and PITBULL ALARM PRO. This keypad comes equipped with 16 keys and 18 LED indicators and a buzzer for audio indication.

Typically, the configuration of the system by EWKB4 keypad is carried out by activating the Configuration mode using the installer code and entering a valid configuration command using the number keys **0**-**9**, key **#** for confirmation and key ***** to clear the characters that have been entered. Alternatively, the user can wait for 10 seconds until the keypad buzzer will provide a long beep indicating that the entered characters have been cleared. Opening the keypad's front cover will initiate the communication with ELDES alarm system followed by activation of the LED indicators and the back-light lasting for 10 seconds (customizable) in case no key was pressed. When typing in the characters, each keystroke is followed by a short beep of the keypad buzzer, while the red indicator lights up reflecting a respective number key **0**-**9** that is being pressed when typing in a configuration command (key **0** is indicated by red indicator "10"). Additionally, the LED indicators and the keypad buzzer indicate the alarm condition.

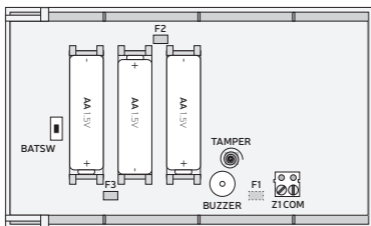
EWKB4 comes equipped with 1 zone terminal designed for passive wired digital sensor connection, such as magnetic door contact, and a tamper switch located on the back side of the device for enclosure state supervision.

It is possible to connect up to 4 EWKB4 devices to ELDES alarm system. The maximum wireless connection range is 1000m (3281ft) (in open areas).

FRONT











BACK







DESCRIPTION

F1, F2, F3	Fuse model MINISMDC050F 0.5A
Z1	Zone terminal
COM	Common terminal
TAMPER	Switch for enclosure state supervision
BUZZER	Sound-signalling component for audible indication
BATSW	Switch for battery type selection

	DESCRIPTION
	1st character for STAY-arming
	1st character for violated zone bypass and bypassed zone activation
	1st character for Configuration mode activation or deactivation
	1st character for system fault list indication / 1st character for violated high-numbered zone indication / 1st character for violated tamper indication (only for ESIM364 and ESIM384) / 1st character for violated high-numbered tamper indication (only for PITBULL ALARM and PITBULL ALARM PRO)
	Command typing
	Keypad partition switch (if enabled; only for ESIM364* and ESIM384)
	1st character for Configuration mode activation or deactivation (only for ESIM364**) / clear typed in characters
	Typed in command confirmation

* ESIM364 v02.16.00 and up ** ESIM364 up to v02.06.20

	INDICATION	DESCRIPTION
 (red)	Steady ON	System armed / exit delay in progress
	Flashing	Configuration mode activated
 (green)	Steady ON	System is ready – no violated zones and/or violated tampers exist
	Steady ON	System faults exist
 (orange)	Steady ON	System faults exist
	Flashing	Violated high-numbered zone
 (orange)	Steady ON	Violated zone bypassed
	Steady ON	Zone violated / configuration command being typed in

2. CONFIGURING AND PAIRING WITH THE SYSTEM



ELDES
configuration
software

For more details on how to configure and pair the device with the system, please refer to ELDES configuration software's documentation or ELDES alarm system's installation/user manual located at eldesalarms.com



If you are unable to pair the wireless device, please restore the parameters of the wireless device to default and try again (see **6. RESTORING DEFAULT PARAMETERS** for more details.)

3. EWKB4 ZONE AND TAMPER

Upon successful EWKB4 connection process, the system adds 1 Instant-type wireless zone. The zone can be used for passive wired sensor connection, such as magnetic door contact intended to be installed at the designated entry/exit doors and used along with the keypad buzzer indicating the opening of the doors, while the system is disarmed. Once the system is armed, triggering the connected sensor will result in alarm condition of the zone.

In case of tamper violation, the alarm is caused regardless of system being armed or disarmed. There are 2 ways to detect tamper violation on EWKB4:

- **By tamper switch.** EWKB4 comes equipped with a built-in tamper switch intended for enclosure supervision. Once the enclosure of EWKB4 is tampered, the tamper switch will become triggered. By default, this action will be followed by alarm, resulting in sending an SMS text message and/or phone call to the user. The SMS text message contains the violated tamper name.
- **By wireless connection loss.** The wireless connection loss between EWKB4 and ELDES alarm system leads to alarm. The system identifies this event as a tamper violation and sends alarm by SMS text message and phone call to the user, by default. The SMS text message contains the wireless device model, wireless ID code and tamper name. The user will also be notified by SMS text message as soon as the wireless signal is restored.



It is mandatory to connect the resistor of 5,6k Ω nominal included in the product pack, otherwise the zone state will remain in permanent alarm condition. If you do not wish to connect the resistor and do not intend to use the zone, please disable the zone using ELDES configuration software or any other configuration method supported by ELDES alarm system.

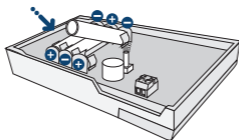
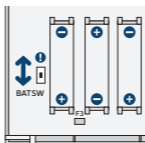
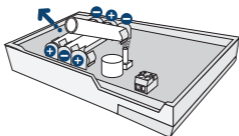


Regardless if the tamper switch alone is to be used, the zone must be enabled and the resistor of 5,6k Ω nominal must be connected across Z1 and COM connectors.

4. TEMPERATURE SENSOR

The device comes equipped with a temperature sensor allowing to monitor the temperature of the area surrounding EWKB4 device. When using the device paired with the alarm system, you may set the MIN and MAX temperature thresholds ranging from -10 to +55 °C (+14 to +131°F) resulting in a notification delivery to the listed user and/or PGM output action (turn ON/OFF; only on ESIM364 and ESIM384) once exceeded.

5. BATTERY REPLACEMENT



1. Open EWKB4 enclosure.
2. Remove the old batteries from the battery slots using NO sharp tools (DO NOT use any screwdriver, knife etc.).
3. Select the appropriate battery type that is intended to be used by sliding the battery type switch (BATSW) to the position needed.
4. Insert the new batteries based on the battery slot positive/negative terminals indicated on the battery slots of EWKB4.



We strongly recommend to use quality brand batteries, such as: GP, Ansmann, Energizer.








- Only 1,5V Lithium AA type FR6 (IEC) / 15LF (ANSI/NEDA) or 1,5V Alkaline AA type LR6 (IEC) / 15A (ANSI/NEDA) batteries can be used. Install only new, high quality and unexpired batteries. Do not mix the old batteries with the new ones and different types of batteries.
- All batteries must be removed or plastic tabs inserted between all battery slots and the batteries if the device is not in use.
- It is MANDATORY to select the appropriate battery type using the battery type switch located next to the battery slots on the PCB of the device, otherwise the battery level will be indicated incorrectly.



- In order to avoid fire or explosion hazards, the system must be used only with approved battery.
- Special care must be taken when connecting positive and negative battery terminals.
- Dispose old batteries only into special collection sites.
- Do not charge, disassemble, heat or incinerate old batteries.
- The battery status can be monitored in real-time using ELDES configuration software.
- The system sends an SMS text message to the listed user phone number as soon as the battery level runs below 5%.
- EWKB4 does NOT feature a built-in battery charging unit, therefore only non-rechargeable batteries can be used.

6. RESTORING DEFAULT PARAMETERS

1. Open EWKB4 enclosure in order to cause tamper violation.
2. Press and hold the key .
3. Wait until indicator  lights off followed by flashing indicator .
4. Release key  and wait until indicator  lights off.

7. TECHNICAL SPECIFICATIONS

Compatible with:

- ESIM364 v02.16.00 and up.
- ESIM384 all versions.
- PITBULL ALARM v2.05.00 and up.
- PITBULL ALARM PRO all versions.

Battery type	1,5V Lithium AA type FR6 (IEC) / 15LF (ANSI/NEDA) or 1,5V Alkaline AA type LR6 (IEC) / 15A (ANSI/NEDA)
Number of batteries	3
Battery operation time	Up to 6 years (Lithium battery)* or up to 4 years (Alkaline battery)*
Wireless band	ISM868 or ISM915**
Range of operating temperatures	-10...+55 °C (+14... +131°F)
Humidity	0-90% RH @ 0... +40°C (0-90% RH @ +32... +104°F) (non-condensing)
Dimensions	145x80x29mm (5,71x3,15x1,14in)
Wireless communication range.	Up to 30m (98.43ft) in premises; up to 1000m (3281ft) in open areas
Compatible with alarm systems	ELDES Wireless

* This operating time may vary in difference conditions.

** Depends on region.

TERMS OF USE

The following terms and conditions govern use of the EWKB4 device and contains important information on limitations regarding the product's use and function, as well as information on the limitations of the manufacturer's liability. Please carefully read these terms and conditions. For more information on your product, please visit eldesalarms.com

TECHNICAL SUPPORT

In order to ensure continuous and proper operation of the

EWKB4 device and uninterrupted service, it is the responsibility of the User to make sure that: (I) the product is properly installed, and (II) there is constant electrical supply (low battery must be replaced in time).

If you experience difficulty during the installation or subsequent use of the system, you may contact "ELDES, UAB" distributor or dealer in your country/region. For more information see eldesalarms.com

SAFETY INSTRUCTIONS

Please read and follow these safety guidelines in order to maintain safety of operators and people around:

- DO NOT use the device where it can cause potential danger and interfere with other devices – such as medical devices.
- DO NOT use the device in hazardous environment.
- DO NOT expose the device to high humidity, chemical environment or mechanical impact.
- DO NOT attempt to repair the device yourself – any repairs must be carried out by fully qualified personnel only.
- EWKB4 can be powered by 3 batteries of 1,5V Lithium AA type FR6 (IEC) / 15LF (ANSI/NEDA) or 1,5V Alkaline AA type LR6 (IEC) / 15A (ANSI/NEDA). When inserting the batteries into the battery slots, mind the polarity terminals!
- To switch the device off, remove all batteries. A blown fuse cannot be replaced by the user. The replacement fuse has to be of the kind indicated by the manufacturer (fuse F1, F2, F3 model – MINISMDC050F 0.5A).
- The device is not meant for outdoor use, i.e. you should use it inside a building. Protect the device against cold, heat and keep away from direct sunlight while in storage or operation.

WARRANTY PROCEDURES

Warranty and out of warranty service should be obtained by contacting the system integrator/dealer/retailer/e-tailer or distributor where the customer purchased the product. When requesting for service, the proof of purchase and the product serial number must be provided. The return of the defective product should be strictly through the original route of purchase, and the customers shall pack the product appropriately to prevent the returned product from suffering in the transportation.

MANUFACTURER WARRANTY

“ELDES, UAB” provides a limited warranty for its products only to the person or entity that originally purchased the product from “ELDES, UAB” or its authorized distributor or retailer and only in case of defective workmanship and materials under normal use of the system for a period of twenty four (24) months from the date of shipment by the “ELDES, UAB” (Warranty Period). Warranty obligations do not cover expandable materials (power elements and/or batteries), holders and enclosures. The warranty remains valid only if the system is used as intended, following all guidelines outlined in this manual and in accordance with the operating conditions specified. The warranty is void if the system has been exposed to mechanical impact, chemicals, high humidity, fluids, corrosive and hazardous environments or force majeure factors.

If a hardware defect arises and a valid claim is received within the Warranty Period, at its own discretion, “ELDES, UAB” will either (a) repair a hardware defect at no charge, using new or refurbished replacement parts, or (b) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product, or (c) refund the purchase price of the product.

LIMITED LIABILITY

The buyer must agree that the system will reduce the risk theft, burglary or other dangers but does not provide guarantee against such events. “ELDES, UAB” will not assume any responsibility regarding personal or property, or revenue loss while using the system.

“ELDES, UAB” shall also assume no liability due to direct or indirect damage or loss, as well as unreceived income when using the system, including cases, when the damages arise due to the above mentioned risks, when due to breakdown or malfunction the user is not informed in a timely manner about a risk which has arisen. In any case, the liability of “ELDES, UAB”, as much as it is allowed by the laws in force, shall not exceed the price of acquisition of the product.

CONSUMER PROTECTION LAWS

FOR CONSUMERS WHO ARE COVERED BY CONSUMER PROTECTION LAWS OR REGULATIONS IN THEIR COUNTRY OF PURCHASE OR, IF DIFFERENT, THEIR COUNTRY OF RESIDENCE, **THE BENEFITS CONFERRED BY THIS WARRANTY ARE IN ADDITION TO ALL RIGHTS AND REMEDIES CONVEYED BY SUCH CONSUMER PROTECTION LAWS AND REGULATIONS.** This warranty grants upon you specific legal rights, and you may also have other rights that vary by country, state or province.

DISPOSAL AND RECYCLING INFORMATION



The WEEE (Waste Electrical and Electronic Equipment) symbol on this product (see left) means it must not be disposed of in household waste. To prevent possible harm to human health and/or the environment, you must dispose of this product in an approved and environmentally safe recycling facility. For further information contact your system supplier, or your local waste authority.

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The logo for Eldes, featuring the word "eldes" in a bold, italicized, lowercase sans-serif font. The text is enclosed within a stylized rectangular frame that is open on the right side, with a diagonal line extending from the bottom right corner.

Made in the European Union

eldesalarms.com