eldes

EWK2/EWK2A
WIRELESS KEYFOB

User manual v1.3

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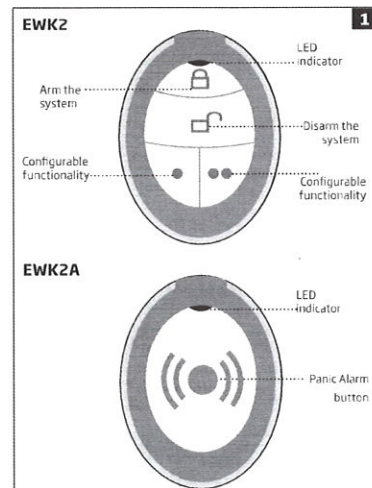| Item	Quantity
1. EWK2/EWK2A	1
2. CR2032 3V lithium battery	1
3. User manual	1
4. Keychain	1

Main features:

- Alarm system arming & disarming;
- PGM output control;
- Partition switch;
- Stay Arm;
- Visual and audio indication of command status.

1. GENERAL INFORMATION

EWK2/EWK2A is a wireless device intended to remotely arm and disarm ELDES alarm system, cause system alarm (*EWK2A* Panic Alarm) or to control any electric appliance connected to the alarm system's PGM output (*EWK2*). The maximum wireless connection range is 150m (492.13ft) (in open areas).
By default, one pair of *EWK2* buttons is already configured to arm and disarm the alarm system (configurable). *ELDES* alarm system supports up to 16 *EWK2/EWK2A* devices with the same configuration (**Public** configuration) or up to 5 *EWK2/EWK2A* devices with custom configuration (**Private** configuration).

2. TECHNICAL SPECIFICATIONS

EWK2
- LED indicator
- Arm the system
- Disarm the system
- Configurable functionality
- Configurable functionality

EWK2A
- LED indicator
- Panic Alarm button

NOTE: Pic. No. 1 reflects the default *EWK2/EWK2A* button configuration. All keyfob buttons are configurable according to individual needs via *Eldes Utility* software.

2.1. Electrical & Mechanical Characteristics

Battery type	3V Lithium CR2032 type 5004LC (ANSI/NEDA)
Quantity of batteries	1
Battery operation time	~18 months*
Wireless band	ISM868/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	53x37x12mm (2.09x1.46x0.47in)
Wireless	Up to 150m (492.13ft) in open areas
Compatible with	*PITBULL ALARM PRO* and *ESIM384* (all FW versions)

* This operation time can be achieved by pressing the keyfob button up to 4 times per day. The operation time depends on different conditions and may vary.

3. HOW TO USE:

- In order to start using wireless keyfob *EWK2/EWK2A*, it has to be paired with ELDES alarm system using *ELDES Utility* software.

- *EWK2* keyfob features 4 configurable buttons intended to operate according to individual needs, while *EWK2A* keyfob model features one configurable button.

- After the button is pressed, *EWK2/EWK2A* internal buzzer's **1 short beep** sound (*EWK2A* buzzer sound disabled by default) and a single red LED indicator flash confirms a transferred command to *ELDES* alarm system via wireless connection. Otherwise, **1 long beep** sound and a single red LED indicator flash will inform about unsuccessful attempt to transfer command (presuming that there is no wireless connection to the alarm system).

- The status of the sent command can be checked by attempting to receive the feedback signal from the alarm system (valid **only for Arm/Disarm** commands). This can be performed by **pressing and holding down** the same button for a couple of seconds, **until the keyfob sounds**):

  A) 3 short beep sounds and LED indicator flashes indicate a successfully carried out Arm/Disarm command;

  B) 1 long beep sound and a single LED indicator flash stands for failed Arm/Disarm command and feedback signal failure;
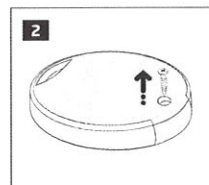
- *EWK2A* Panic Alarm feature: if you press *EWK2A* button while there is no wireless connection, the keyfob will try to send a data event to alarm system every 10 seconds. In case there is no response after 30 minutes of attempts, the *EWK2A* keyfob will completely ignore the event.

- *EWK2A* has an advanced setting, which allows to enable button reaction delay time (to prevent unintentional button pressing). The reaction delay time is disabled by default, thus it can be enabled using *ELDES Utility* software. If this feature is enabled, user must enter the preferred reaction delay time value in order to be able to save settings.
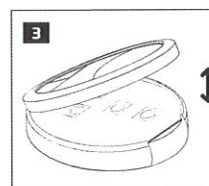
- *EWK2A* has one more feature, which allows to enable keyfob's *Buzzer*. If this feature is enabled, buzzer will beep once every time *EWK2A* button is pressed (by default, the feature is disabled). In case when *Panic Alarm* feature is enabled, **it is recommended to disable** keyfob's *Buzzer* due to security reasons.
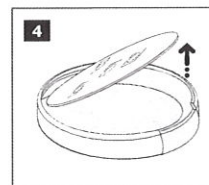
4. INSTALLATION

1. Remove the screw located on the back side of *EWK2/EWK2A* enclosure (see pic. 2).
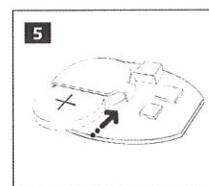

2. Open the enclosure (see pic. 3).

3. Once the enclosure is opened, remove the PCB from the *EWK2/EWK2A* enclosure and flip the PCB so that the back side would be facing up (see pic. 4).

4. Insert the CR2032 type battery provided in the *EWK2/EWK2A* package. Before inserting the battery, ensure that it is positioned correctly (see pic. 5).

5. Insert the PCB back to the enclosure and close it (see pics. 6 and 7).