

Wireless keypad Elmes KB1 is designed for optional arming/disarming of security alarm systems with Elmes CB32/CBP32 control panels as well as for use with Elmes receivers (except RP501) in remote control systems. The keypad functions like a hand transmitter/remote additionally protected by access password and can replace up to 16 remotes with 1, 2 or 4 buttons each or, be used with remotes simultaneously.

Modes of operation. After entering one of up to 16 passwords (3 to 8 digits each) the keypad sends wirelessly control code assigned to the password. There are two types of passwords:

1) **Single-channel control type password** (factory setting). After entering a valid password followed by # keypad sends command to control panel or receiver's output channel corresponding to the use of 1-button remote transmitter. Keypad's green LED is lit during transmission.

2) **Multi-channel control type password.** After entering a valid password followed by # keypad awaits 8 seconds with red LED pulsing every 2 seconds for control channel button 1, 2, 3 or 4 selection to which control command will be send confirmed by green LED lit.

Password type can be changed in Service Mode using **2nnk#** code for every password used with the keypad. To exit password entry anytime press * button.

Programming keypad to alarm control panel or receiver.

The keypad requires programming (learning) to alarm control panel or receiver to operate with. Learning the keypad to alarm control panel, remote transmitter learning procedure should be followed. Learned keypad can operate as 1, 2 or 4 button remote transmitter. Learning keypad to a receiver requires setting on programming procedure in the receiver followed by two transmissions sent from the keypad by entering valid password followed by # (single-channel type password) or, by entering valid password with # and followed by selected highest of four control channel number required for operation by the keypad (multi-channel control type password).

If the keypad will be used with many passwords, programming procedure must be conducted for every password.

Panic function.

If activated (Service Mode function 33), code assigned to channel 15 is transmitted when button "0" is pressed for longer than 3 seconds. The feature allows triggering panic alarm, if properly configured in corresponding alarm panel or other receiver.

Signaling LEDs.

Green LED uninterrupted shining signals control code sending while interrupted shining while code sending indicates low battery in the keypad.

Red LED features the following three functions:

- 1) Flashes in Service Mode while in password input/change procedure or, while awaiting control channel selection (1...4) after entering a valid multi-channel type password.
- 2) Indicates any button pressed (if Service Mode procedure 31k# is on).
- 3) Service Mode procedure pass or failure (if Service Mode procedure 31k# is on).

Error signaling.

Errors (invalid or too long (>8 digits) password entry, procedure time out, invalid code entry in Service Mode, etc.) are indicated by three short beeps and/or flashing LED. Single short or long beep indicates correctly performed procedure.

Sabotage protection.

On an attempt of keypad box opening/closing or removing from installation place, also on battery insertion, several sabotage transmissions are sent by the keypad. The sent code is 16th password (Service Mode password). To activate the function password 16th code must be first programmed to one of receiver or control panel channels by pressing sabotage switch spring or sending Service Mode password followed by #. When operating with Elmes CB32 or CBP32 control panels the code should be programmed to one of 24h armed lines. While sending sabotage transmissions (ca 15 seconds) the keypad buttons are inoperable.

Restoring factory service mode password "0000".

If service mode password (no 16) is forgotten entry to service mode will not be permitted. It can be restored to factory origin "0000" by shorting (e.g. with tweezers) two pcb points marked **R** on the pc board and inserting batteries. After the service password has been restored, it is necessary to conduct "Programming keypad to alarm control panel or receivers" procedure described earlier for all user's passwords.

User's password change (not applicable to service mode password change).

- 1) Press and hold down # button for ca 2 seconds, until a long beep sounds.
- 2) Input current password and press # - long beep sounds.
- 3) Input new password and press #.

4) Input new password again followed by # - long beep sounds. End of procedure.

NOTICE! If no keypad button is used within 32 seconds, the procedure will end automatically with three short beeps signaling error.

Programming some practical features of the keypad, adding new user's passwords and deleting passwords can be accessed in the Service Mode menu.

SERVICE MODE

To enter Service Mode:

1) Press and hold down # button for ca 2 seconds, until a long beep sounds. From now on keypad's red LED is blinking every 2 seconds until service mode exit.

2) Input Service Mode password (default: 0000) and press # - long beep sounds.

To exit Service Mode press * button. Automatic exit from Service Mode is made after 20 seconds inactivity.

Service Mode keypad feature programming is made by appropriate code input, as follows:

- 0nn#** - deleting password "nn" where nn = 01..15 is password number (Service Mode password 16th cannot be deleted). To delete more than one password without Service Mode exit, reenter the code changing password number only. Exit the procedure with * button.
- 1nn#** - input/change password „nn" where nn = 01..15 is password number. New password must be input twice, each time confirmed by # button. Exit with * button.
- 2nnk#** - password type definition where nn = 01..15 is password number and k stands for password type: k = 0 defines single-channel password while k = 1 defines multi-channel password type. Exit with * button.
- 30k#** - setting off (k = 0) or setting on (k = 1) acoustic signaling of keypad button use.
- 31k#** - setting off (k = 0) or setting on (k = 1) LED signaling of keypad button use.
NOTE! Setting off acoustic button use signaling will automatically set off LED signaling.
- 32k#** - setting off (k = 0) or setting on (k = 1) improper password input protection. This feature, if set on, blocks the keypad for ca 16 seconds after three consecutive improper password inputs. Every next three improper password inputs will block the keypad for two minutes.
- 33k#** - panic function assigned to button "0" of the keypad setting off (k = 0 (default)) or setting on (k = 1).

Specification

- Hopping code radio transmission (433.92 MHz band, <5mW) with 100m operating range in open field;
- 16 passwords memory (3 to 8 digits) each with different code corresponding to 16 1-,2-,4 button remotes;
- Default service mode password "0000";
- Standby current:1,5µA, in transmission: 10mA;
- Power: 2 x 1.5V AAA type batteries with typical 10 years operation and low battery green LED indication;
- Keypad box open or remove sabotage alarm by multi alarm transmissions;
- Indoor operation only with temperature range 0°C to +55°C.
- External dimensions (l/w/h) 86/86/23 mm;

Installation. Before final installation the keypad should be programmed and operating range tested from intended place of installation repeating the test at least three times. Screwing the keypad back plate to wall observe that the closing box screw hole is downwards. Next inset two 1.5V AAA size batteries to their holders observing polarity and close box from bottom side with provided screw.



Manufacturer's CE compliance declaration is on reverse side of the manual.

Manufacturer: ELMES ELEKTRONIK, 54-611 Wrocław, ul. Avicenny 2, tel. +4871784-59-61, fax. +4871784-59-63

Manufacturer's Limited Warranty

Elmes Electronic products carry two years manufacturer's warranty as from the date of purchase. The warranty is limited to the replacement of faulty original parts or repair defects of improper manufacture. Damage, faulty use or improper handling by the user or installer as well as any changes in product's hardware or software caused by the user voids the warranty and all due repair costs will be charged. Elmes Electronic shall not be liable for any human or material damage caused by its products failure to operate properly.

DEKLARACJA ZGODNOŚCI / DECLARATION OF CONFORMITY

Producent: / Manufacturer: Elmes Elektronik

deklaruje, na swoją wyłączną odpowiedzialność, że produkt: /
declare under sole responsibility that product:

KLAWIATURA BEZPRZEWODOWA / WIRELESS DETECTORS

typu / type: **KB1**

są zgodne z niżej wymienionymi wymaganiami zasadniczymi: /
comply with essential requirements of the following directives:

**2014/53/EU Dyrektywa dla Urzędzeń Radiowych (RED),
2014/30/EU Dyrektywa Zgodności Elektromagnetycznej (EMC),
2014/35/EU Dyrektywa dla Urzędzeń Niskiego Napięcia (LVD),**

a w szczególności, z niżej podanymi zharmonizowanymi normami: /
and applied harmonized standards, in particular:

EN 60950-1:2007/A11:2009+A1:2010+A12:2011

EN 61000-6-1:2008

EN 61000-6-3:2008/A1:2012

EN 301 489-1 V1.9.2 (2011-09)

EN 301 489-3 V1.6.1 (2013-06)

EN 300 220-1 V2.4.1 (2012-01)

EN 300 220-2 V2.3.1 (2009-12)

EN 50130-4



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Data/Date: 2020-10-01



Waste Electrical and Electronic Equipment (WEEE) Symbol (PL)

Użycie symbolu WEE oznacza, że ten produkt nie może być traktowany jako odpad domowy i wyrzucony do śmieci. Zapewniając prawidłową utylizację pomagasz chronić środowisko naturalne. Informacje dotyczące recyklingu niniejszego produktu otrzymasz w punkcie sprzedaży lub u przedstawicieli władz lokalnych.

(EN) The use of the WEEE symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly you will protect the environment. Recycling information of this product can be obtained at the place of sale, your household waste disposal service provider, or local authority.