

# Wireless Digital Keypad WDK-1

## Warnings:

- Note that automatic gate and door systems must be installed exclusively by qualified technical personnel in full compliance with statutory legislation.
- Before starting the installation procedure please check that the values given in the "Technical Specifications" section are compatible with the application.
- This product has been designed to control door openers, gate openers and similar mechanisms. Any other use of the product will be considered improper.

## 1) Product description

This is a dual channel transmitter that is activated only after having entered a correct combination. The units are designed for installation at indoor or outdoor locations.

Rolling code technology ensures utmost security because the transmitter code is changed at each transmission session.

The estimated transmission range is 100 meters in open space and 35 meters indoors.

The units are designed to ensure battery life equivalent to an estimated 2 years of operation considering 10 transmissions per day.

Audible Signal	Status
1 short beep	Keypad tone
1 long beep	Auto power-off
3 long beeps	Modification of combination confirmed
5 short beeps	Error during combination input or combination edit operation
10 rapid beeps	Low battery warning signal - new batteries are required

## 2) Installation

Before physically installing the unit in its mounting position it is good practice to perform a practical test to assess the functionality and effective range.

Please bear in mind that range may be up to 25 or 30% less when battery power is low.

### 2.1) Positioning

Apart from the distance from the receiver, the units should not be positioned in the vicinity of or - worse still - in contact with metal structures, which could otherwise exert a signal shielding effect. Thanks to the enclosure protection rating of IP 54, the digital selectors can be installed outdoors if required.

## 3) Method of use

The use of the keypad is based on "combinations", i.e. numbers from 1 to 9 digits long that the user is required to key in. Once the combination has been entered the user then presses confirm key ◀ or ▶ to transmit the activation command to, respectively:

- receiver channel 1 if the user presses " ◀ ";
- receiver channel 2 if the user presses " ▶ ".

The command will be transmitted only when a valid combination has been entered - if an incorrect combination has been entered the selector will emit an error warning signal when the confirmation key is pressed. The combination entered must be exact, if, for example, the correct combination is 0422, the following attempts will be interpreted as error: 422, 10422, 04222.

Therefore, if the user inadvertently presses the wrong key when entering a combination, combination key ◀ or ▶ should be pressed immediately to generate error tone, after which the correct combination can be entered starting from the beginning again.

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While entering the combination no more than 6 seconds can be allowed to elapse between key strokes, after which interval the combination must be re-entered starting from the beginning.

The units are factory-preprogrammed with a standard combination to activate both channel one or two.

The factory-preset combinations are as follows:

- 1<sup>a</sup> combination to transmit the code associated with the ◀ key.  
When the unit is used for the first time this combination is 11.
- 2<sup>a</sup> combination to transmit the code associated with the ▶ key.  
When the unit is used for the first time this combination is 22.

## 4) Changing a combination

**Tab. A: Changing the combination associated with channel 1 ◀** - Example:  
This function allows you to change the combination associated with channel 1

- |    |   |         |
|----|---|---------|
| 1. | Press the "0" key and hold it down while pressing and releasing ◀ | 0◀      |
| 2. | Release the "0" key.  |         |
| 3. | Type in the current (original) combination and press ◀            | 11◀     |
| 4. | Type in the new combination (up to 8 digits) and press ◀          | 070576◀ |
| 5. | Type in the new combination again and press ◀                     | 070576◀ |

**Tab. B changing the combination associated with channel 2 ▶** - Example:  
This function allows you to change the combination associated with channel 2

- |    |   |           |
|----|---|-----------|
| 1. | Press the "0" key and hold it down while pressing and releasing ▶ | 0▶        |
| 2. | Release the "0" key.  |           |
| 3. | Type in the current (original) combination and press ▶            | 22▶       |
| 4. | Type in the new combination (up to 8 digits ) and press ▶         | 28111976▶ |
| 5. | Type in the new combination again and press ▶                     | 28111976▶ |

**NOTE 1:** If the two combinations you have entered are identical, once you have entered the combination you can press either ◀ or ▶ to activate channel 1 or channel 2.

**NOTE 2:** If combinations are set without entering any number, the security system is effectively overridden and the command can be transmitted simply by pressing ◀ or ▶ without having to first enter a combination.

## 5) Normal use

**Tab. C Normal use for activation of channel 1** Example:  
1. Type in the combination associated with channel 1 070576  
2. Press ◀

**Tab. D Normal use for activation of channel 2** Example:  
1. Type in the combination associated with channel 2 28111976  
2. Press ▶

