

# Radio keypad NB404

## Installation & operating instructions



These instructions are to be passed on by the fitter to the user

### 1. Intended use

The radio keypad NB404 is an extremely secure and cutting edge radio access control module featuring 3 radio channels to operate the motorised FUHR locking systems **multitronic 881** and **autotronic 834**.

The keypad is equipped with a high-grade and wear-resistant illuminated stainless steel number pad, so that it can be used even in darkness.

Via individual opening codes the NB404 has the ability to operate 2 different doors, garage doors or sliding gates, provided these are equipped with an 868 MHz FUHR rolling-code-receiver. The device also features a non-programmable transmitter channel for an optional radio doorbell gong.

Each of the programmable opening codes activates its own individual radio transmitter code, which has to be synchronised with the associated rolling-code-receiver in the same way like a radio key.

Once they have been entered the codes remain intact, even in the event of power failure.

#### Motorised FUHR locking systems



The radio keypad can be used on its own or in conjunction with a choice of other FUHR access control modules, as illustrated below:



radio key  
NZ80062

wall-mounted  
radio transmitter  
NZ80021AS

transponder  
NB403

fingerprint  
scanner NB366B

keypad  
NB404

The radio keypad NB404 can be programmed to suit all FUHR **multitronic** 881 and **autotronic** 834 radio receivers. All radio receivers or control units with integrated radio receiver below include a master radio key.



## 2. Scope of delivery / Accessoires

- A Radio keypad including connecting cable (800mm)
- B Cover NB405N - accessory to be ordered separately

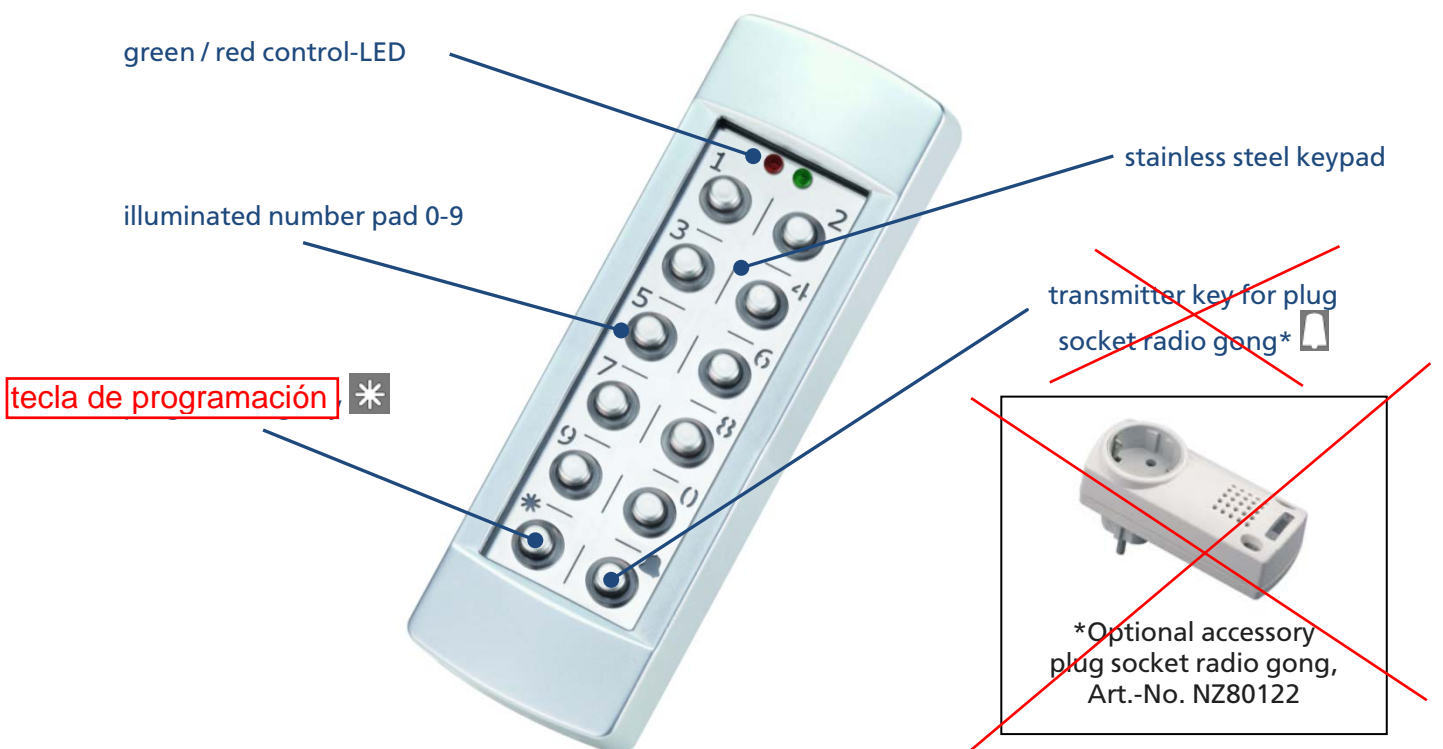


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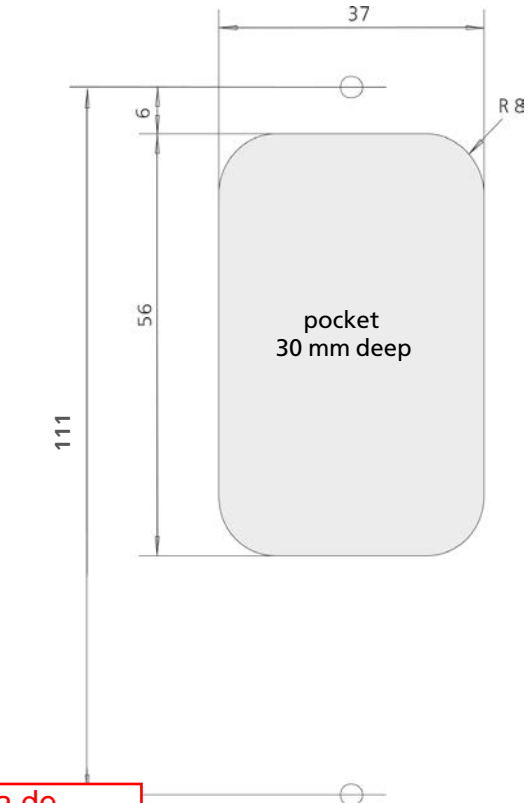
## 3. Guide to keys and displays

The radio keypad is equipped with a high-grade, wear-resistant stainless steel number pad and stainless steel control keys. The control keys are embedded in light conducting fibre-optics, facilitating keypad operation in dark conditions.



4.1 Terminal connection diagrams

4.2 Routing dimensions/Drilling jig



Installation of the cover

After drilling and connecting the radio keypad, the keypad is covered with the accessory item cover. The cover is positioned at an angle and pulled down onto the keypad casing before the 2 enclosed M4 grub screws are fastened hand-tight using a 2mm Allen key.



## 5. Commissioning and programming

The radio keypad is ready for use as soon as it has been connected to the motor locks 12 V DC power supply. The following working codes have been pre-set at the factory.

|                                   |                              |   |                 |                                    |
|-----------------------------------|------------------------------|---|-----------------|------------------------------------|
| codigos de apertura preinstalados | 1                            | = | 1 1 1 1         | (programmable from 4-8 digits)     |
| codigos de apertura preinstalados | 2                            | = | 2 2 2 2         | (programmable from 4-8 digits)     |
| Manufact                          | codigo "master" preinstalado | = | 9 9 9 9 9 9 9 9 | (programmable to any 8 digit code) |



**Please note:**

**For safety reasons the default settings for opening and master codes ought to be re-programmed after the installation!**

### Como introducir codigo de apertura

- Pulsar cualquier tecla para activar el teclado, el teclado se iluminará durante 10 segundos.
- Introducir el código. Cada vez que se pulse una tecla el led verde parpadeará. Cuando el código esté introducido, el teclado automáticamente transmite la señal de apertura y el led verde se quedará iluminado.

### Safety-lock to prevent tampering attempts

If an incorrect opening code has been entered the red LED flashes 5 times.

If an incorrect opening code is entered 5 times consecutively, the keypad is locked for 1 minute.

While the keypad is locked the red LED light is on permanently and the keypad cannot be used. The keypad can only be used again after the red LED stops when the locking period has expired. Now you have another opportunity to transmit an opening signal by entering the correct code.

If an incorrect opening code is entered 5 times once again, the locking time extends to initially 5 minutes, then 10 and eventually 15 minutes.

**5.2 PROGRAMAR UN NUEVO CODIGO MASTER**

Pulsar cualquier tecla para activar el teclado y comenzar el procedimiento.



El tiempo para cada paso de la programación NO debe superar los 5 segundos, de lo contrario el proceso se abortará

1-pulsar tecla programación \*

→ led verde parpadea despacio

2-poner código master predefinido (99999999)

3-pulsar tecla programación \*

→ led verde parpadea rápido

4-pulsar tecla de programación otra vez \*

→ led verde parpadea muy rápido

5-poner nuevo código master (8 dígitos)

6-pulsar tecla programación \*

→ led verde y rojo parpadean

7-repetir el nuevo código master

8-pulsar tecla programación \*

→ led verde y rojo dejan de parpadear

The new master code has now been programmed successfully!



ANOTAR Y GUARDAR EL NUEVO CÓDIGO MASTER, EN CASO DE EXTRAVÍO NO SE PUEDE PROGRAMAR EL TECLADO !!!!!!!!

**5.3 PROGRAMACIÓN DE UN NUEVO CÓDIGO DE APERTURA (4-8 DIGITOS)**

Pulsar cualquier tecla para activar el teclado y comenzar el procedimiento.



El tiempo para cada paso de la programación NO debe superar los 5 segundos, de lo contrario el proceso se abortará

1-pulsar tecla programación \*

→ led verde parpadea despacio

2-poner código master

3-pulsar tecla programación \*

→ led verde parpadea rápido

4-poner el nuevo código (4 a 8 dígitos)

+ añadir      pulsar tecla 1 para ocupar el canal 1  
                  pulsar tecla 2 para añadir el canal 2

5-pulsar tecla programación \*

→ led verde deja de parpadear

The new opening code has now been programmed successfully to the relevant opening channel.  
A different code has to be programmed for the other opening channel.

## 5.4 Example for programming an opening code

### Example 1 / Opening channel 1 for the main entrance door

If you have for example chosen opening code **1 2 3 4 5** for opening channel **1**, you must first enter opening code **1 2 3 4 5** as described in the programming sequence the previous chapter and then press key **1** as additional number. This means you press the following sequence of numbers **1 2 3 4 5 1** to programme the keypad.

When the code **1 2 3 4 5** is then entered, the radio keypad automatically transmits the opening signal to the control box on the main entrance door via opening channel **1**.

### Example 2 / Opening channel 2 for the garage door

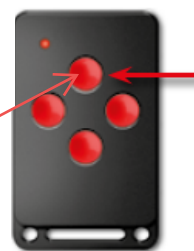
If you have for example chosen opening code **9 8 7 6 5** for opening channel **2**, you must first enter opening code **9 8 7 6 5** as described in the programming sequence the previous chapter and then press key **2** as additional number. This means you press the following sequence of numbers **9 8 7 6 5 2** to programme the keypad.

When the code **9 8 7 6 5** is then entered, the radio keypad automatically transmits the opening signal to the control box on the garage door drive unit via opening channel **2**.

## 5.5 **SINCRONIZACIÓN DEL TECLADO CON EL RECEPTOR**

- 1-Pulsar el botón de programación brevemente.  
El led parpadeará despacio.
- 2-Pulsar el botón central del mando "MASTER".  
El led se quedará fijo durante 2 segundos y después continuará parpadeando.
- 3-Activar el teclado pulsando cualquier tecla e introducir el código de apertura para cada canal (1 o 2 si es que se han ocupado ambos).  
El led verde del teclado quedará encendido. Esperar 2-3 segundos y pulsar cualquier tecla para transmitir la señal de radio.

Si el receptor ha recibido la señal de apertura el led lucirá fijo durante 4 segundos y se apagará.



**IMPORTANTE!!!!EL PROCESO NO DEBE EXCEDER DE 20 SEGUNDOS, DE LO CONTRARIO QUEDARÁ AUTOMATICAMENTE ABORTADO.**