

## Installation and operating instructions Radio Code Keypad

### Meaning of symbols



**Caution!**  
Danger of personal injuries!



**Attention:**  
Danger of material damage!



**Advice / Tip!**

### Important safety advice

Installation and initial operation of this control unit may only be carried out by qualified and trained specialist personnel. Qualified and trained specialist personnel in the sense of this description are persons who have been trained and are supervised sufficiently by electricians and therefore are able to recognize the special hazards arising from electricity. Moreover they need to have the following qualifications corresponding to the respective work to be done, especially:

- Knowledge of the relevant electro-technical regulations,
- Training in use and maintenance of necessary safety equipment.

- Observe local safety regulations!
- Always lay mains and control cables separately!  
Control voltage 24 V DC.



**Caution!**  
In case these warnings are ignored, personal injuries and material damages may occur.

### Designated use

This transmitter may only be used to operate garage door operators or radio controls for the following purposes: It has to be part of the supply package for the above mentioned controls or it has to be delivered as replacement.



**FOR EUROPEAN APPLICATIONS:**  
This product complies with the essential requirements of the R&TTE directive 1999/5/EC. The declaration of conformity can be acquired from the supplier referred to in the delivery documents. 868.3 MHz and 433.92 MHz  
For use in: EU/CH/FL/N/IS/PL/CZ/H/LT

### Installation

Before you install the radio interior keypad, please

- remove the front and back covers from housing
- insert the battery
- carry out coding and
- connect possibly existing external buttons.

#### Step 1

- If there are external buttons, e.g. key switches, screw the connecting cables leading to these buttons to the connections on the back of the radio interior keypad.

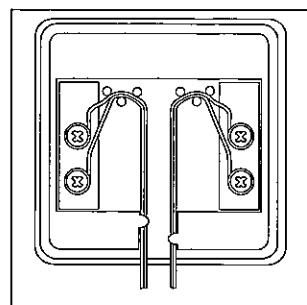


Fig. 1: Connect external buttons



**Attention!**  
The connection cable may only be max. 3 m long.

#### Step 2

- Insert the battery. Observe right poling. Battery type 3 V, e.g. CR2032.

#### Step 3

- Carry out the coding of the radio interior keypad, as described in 'Learn coding'.

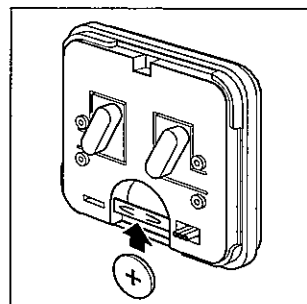


Fig. 2: Insert batteries

#### Step 4

- Mount the radio interior keypad without torsion to a suitable place as shown in the picture.

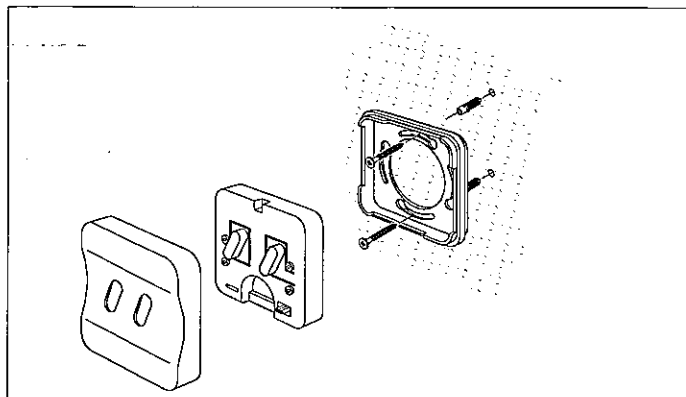


Fig. 3: Installation

## Learn coding

To achieve the same function to be carried out with different transmitters, there has to be a uniform coding of the transmitters. The example shows the transmission of the coding from an already existing hand transmitter to the radio interior keypad.

### Step 1

- Connect the radio interior keypad and the hand transmitter via the enclosed programming plug.

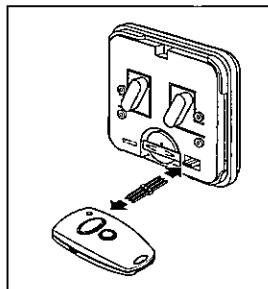


Fig. 4: Learn coding - 1

### Step 2

- Actuate the button on the hand transmitter, the coding of which shall be transmitted, and hold this button. The LED on the hand transmitter is on.

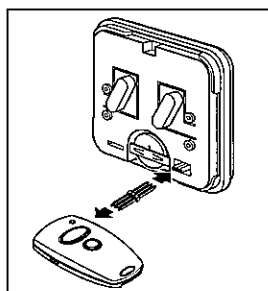


Fig. 5: Learn coding - 2

### Step 3

- Actuate the button on the radio interior keypad that is to learn the coding, while you are still holding the button on the hand transmitter. The LED on the radio interior keypad is flashing quickly. After 1 - 2 sec. the LED on the radio interior keypad is glowing constantly. The programming of this channel is terminated.
- Release both the button on the hand transmitter and on the radio interior keypad.

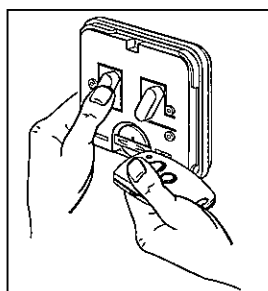


Fig. 6: Learn coding - 3



**Advice!** This procedure has to be carried out for each of the two buttons separately, in case there are two garage door operators or receivers. The transmission of the coding can also be made the other way round (step 3), if you press first the button on the radio interior keypad and hold it. In this case the hand transmitter learns from the radio interior keypad.

### Step 4

- You can connect external buttons to the radio interior keypad via cables. In order to carry out the same function with these as with the main buttons, repeat steps 2 and 3. But press for this the programming buttons (P1, P2) on the radio interior keypad, which are below the main buttons in the housing.

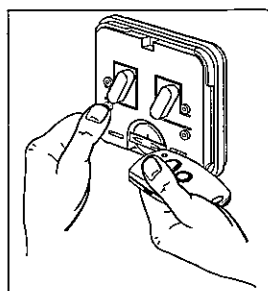


Fig. 7: Learn coding - 4

## Change coding

This function makes it possible for the system to learn a new code in case a hand transmitter has been lost. The example shows the change of the code on the radio interior keypad. But the appropriate procedure would be to change the code on a hand transmitter and to transmit this then to the radio interior keypad (see "Learn coding").

### Step 1

- Connect the programming cable to the radio interior keypad to be re-programmed.

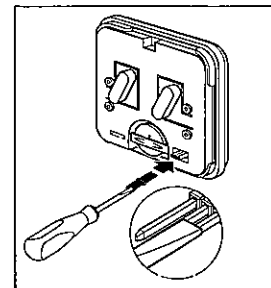


Fig. 8: Change coding - 1+2

### Step 2

- Short-circuit one of the two exterior cables of the programming cable with the centre cable.

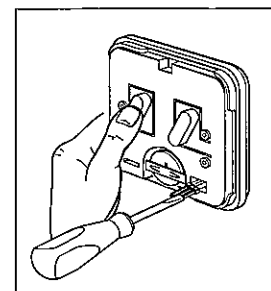


Fig. 9: Change coding - 3

### Step 3

- Actuate one button on the radio interior keypad. The transmitter creates by means of a random program a new code for this button. During this time period the LED is flashing quickly. After the LED of the radio interior keypad is on constantly, the button can be released.



### Advice!

This procedure has to be carried out for all buttons separately.

### Step 4

- Change the code of the external button. For this repeat this procedure, but press the buttons (P1, P2), that are below the large button in the housing.

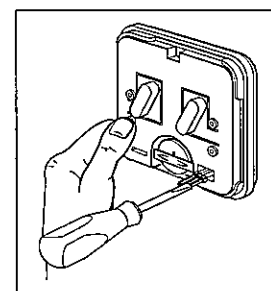


Fig. 10: Change coding - 4



### Attention!

After the radio interior keypad has been re-programmed, the controlled operator system has to be re-programmed as well with the new coding, because the old coding is lost irreversibly (see installation instructions of your garage door operator).