

**HÖRMANN**

SilentDrive series

## **Instructions for installation and operation**

Radio keypad FCT3b  
for a garage door operator



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All terms subject to change.

FCC ID: PZI-315FCT3B  
IC: 4205A-315FCT3B

## ENGLISH

USA:  
FCC ID: PZI-315FCT3B  
Canada:  
IC: 4205A-315FCT3B

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Nevertheless, the FCT3b operating frequencies 315 MHz shall be used in such a manner that the potential for human contact during normal operation is minimized.

IC: before the equipment certification number signifies that the Industry Canada technical specifications were met. It does not guarantee that the certified product will operate to the user's satisfaction.

### **CAUTION!**

**Changes or modifications made to this equipment not expressly approved by Hörmann may void the FCC authorization to operate this equipment.**

The radiated output power of the FCT3b with operating frequencies 315 MHz is far below the FCC radio frequency exposure limits.

### Important Information

Read and follow these instructions carefully. They provide important information for the safe installation and operation of your FCT3b.

Please also follow the instructions to ensure safe operation of the operator and door.

Keep these instructions in a safe place so that you can refer to them as needed.

Only drive through or walk under a remote-controlled door if the door is stationary and in the “fully-open” position.

Only use the FCT3b when the door is within sight.

When installing the FCT3b, use only original components.

Observe local safety regulations, especially where a 120V AC power supply is concerned. Any work should be carried out by a qualified electrician.

- To ensure proper operation, all equipment should be protected from direct sunlight, moisture or dirt.
- The FCT3b has a temperature tolerance from -4 °F to +140 °F.

If more than one radio receiver is required, make sure that these are mounted at least 3 feet from each other.

**Note:**

**Local conditions can affect the range of the remote signal.**

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**Fig. 1** **Installing the FCT3b**  
**Fig. 2** **Signals of the LED**  
**Fig. 3** **Programming/altering of access codes**

## 1 General

The FCT3b is a combination of a transmitter and a keypad.

It will only function with a Hörmann operator and/or receiver.

### Note:

Before permanently installing the FCT3b be sure that the chosen location allows the radio signal to be properly received.

The FCT3b is powered by a standard 9V block battery (**see Fig. 1**). Successful entries and alterations are stored and retained even after voltage loss. With three freely selectable 4-digit access codes you can operate up to three functions. In addition, you can operate a bell or outdoor light (not protected by an access code). This requires an additional receiver.

The light of the keypad comes on at the first press of a button and stays on for 20 seconds after the last keystroke.

## 2 Installation

### WARNING

- The FCT3b must be securely installed in sight of the door but away from any moving parts.
- The FCT3b must be installed out of reach of children (minimum height: 5 ft).

Choose an installation location for the FCT3b well away from existing cables and appliances with mains voltage (**see Fig. 1**).



**WARNING**  
**WORK SAFELY. ALWAYS**  
**wear appropriate safety**  
**protection when using**  
**any tools.**

### 3 Important terminology

#### Access codes

These are 4-digit freely selectable unique codes, enabling you to access the three radio codes 1 to 3. An access code is always assigned to a specific radio code. In the factory setting or after a reset the access codes are:

Access code for radio code 1: "1234"

Access code for radio code 2: "2345"

Access code for radio code 3: "3456"

The fourth is the "bell/light" button  which does not require an access code.

#### Radio code

There is 1 of 4 billion possible unique radio code combinations factory preprogrammed per channel.

### 4 Signals of the LED

Depending on the operation mode the LED (see **a** Fig. 1) lights up in different patterns:

- short signal (fig. 2a)
- long signal (fig. 2b)
- slow flashing (fig. 2c)

- fast flashing (fig. 2d)
- very fast flashing (fig. 2e)

### 5 Normal Operation

#### 5.1 Transmitting after entering an access code

1. Enter the valid access code using the numeric buttons.
2. Press the "key" button . If a valid entry has been made the LED gives a long signal and the corresponding radio code is transmitted. The LED flashes rapidly while transmitting.

#### Tips on entering the access codes with the operating functions:

When entering a valid access code, only the last four digits pressed before pressing the "key" button  will be "accepted" by the unit to compare what you have entered against the valid code stored in the unit.

This security feature prevents a code from being copied by another person who may, for example, be looking over your shoulder in an attempt to gain access to your property.

The LED gives a short signal after every correctly pressed button. This way, you can monitor whether or not the button was actually pressed. No more than 15 seconds may elapse between two buttons being pressed. Otherwise the LED gives a long signal and you then can restart. In this way operation initiated by mistake can be canceled and restarted.

An invalid or incorrect entry is always followed by three short LED signals – after which the unit deactivates for 10 seconds. The procedure may be repeated after a long LED signal.

#### Note:

As long as the "key" button  remains pressed, the radio code is transmitted. Now, a 20-second phase starts in which the same radio code can be repeatedly transmitted using any button except the "bell/light" button  (the LED flashes rapidly). The end of this phase is indicated by a long LED signal. With the "bell/light" button  , the 20-second phase can be prematurely terminated.

This is acknowledged with a long LED signal. You may now enter another access code to activate another function without waiting for the 20 seconds to expire.

### 5.2 Altering of access codes

From the factory or after a reset all 3 storage spaces are preprogrammed with an access code. The factory codes are "1234" for radio code **1**, "2345" for radio code **2** and "3456" for radio code **3**.

To program your own access code do as follows (see Fig. 3):

1. Press the "key" button  once for **1**, twice for **2** or three times for **3**.
2. Enter the valid access code for the radio code you want to use.
3. Press the "key" button . If a valid entry has been made the LED gives a long signal. If an invalid entry has been made the LED gives three short signals.
4. Enter the new 4-digit access code.
5. Press the "key" button . If a valid entry has been made the LED gives a long signal and the new access code is valid.

#### Note:

A radio code is retained even after altering or deleting its access code.

### 5.3 Function of the "bell/light" button

During operation the "bell/light" button  can be used like a hand transmitter for transmitting, **without having to enter an access code. An exception is the 20-second phase** in which the same

radio code can be repeatedly transmitted without entering a new access code. If the "bell/light" button  is pressed, the 20-second phase will be interrupted. No radio signal will be transmitted.

### 5.4 Transmitting using the "bell/light" button

Press the "bell/light" button . The LED gives a long signal and the radio code is transmitted. The LED flashes rapidly while transmitting.

#### Note:

As long as the "bell/light" button  is pressed, the radio code is transmitted.

### 6 Reset the FCT3b to factory settings

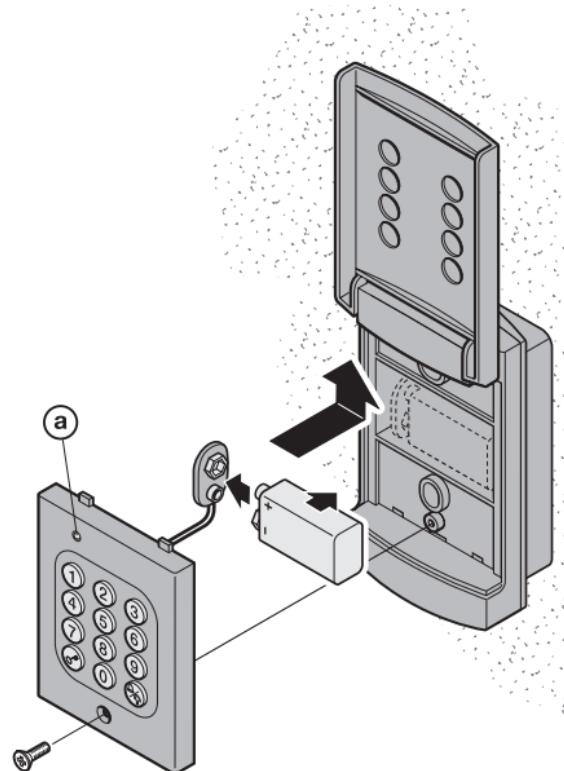
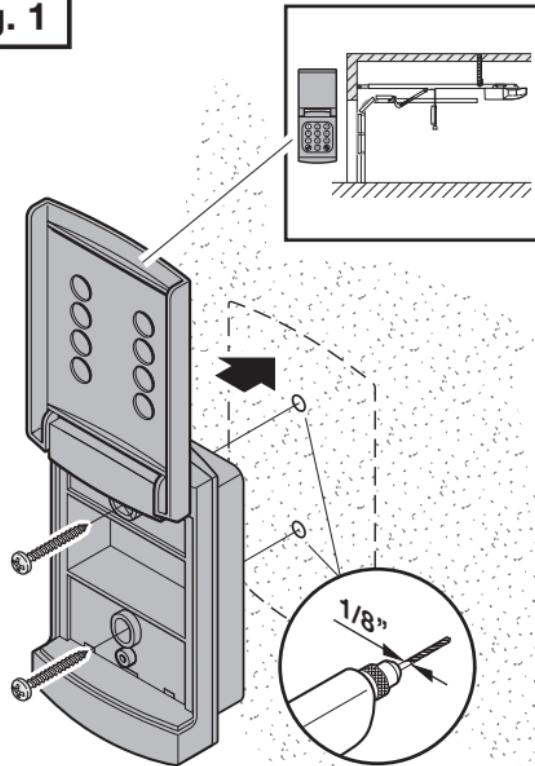
With a reset all access codes of the FCT3b are set back to the factory settings. All radio codes are newly generated.

1. Take the battery out of the FCT3b.
2. Wait for approximately 10 seconds.
3. Press and hold the "0" button and reinsert the battery.
4. The red LED flashes fast.
5. Hold the "0" button until the red LED stops flashing.
6. Release the "0" button. The FCT3b has been reset to the factory settings.

#### Note:

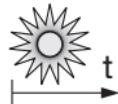
If the "0" button is released before the end of the above mentioned, the reset will be canceled and the LED will flash three times. All previously programmed access codes and radio codes will be retained.

Fig. 1



**Fig. 2**

**2a**



**2b**



**2c**



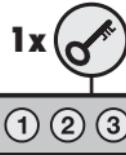
**2d**



**2e**



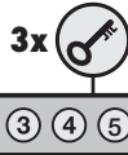
**Fig. 3**



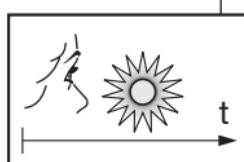
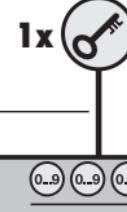
Access  
Code 1



Access  
Code 2



Access  
Code 3



Access Code 1

Access Code 2

Access Code 3





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