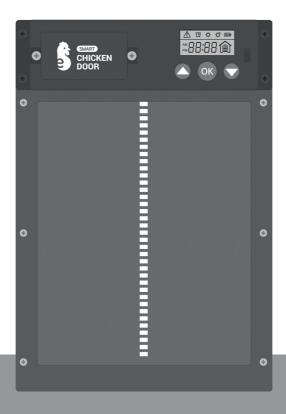# fencee⊖

## Electric **fencing**

# AUTOMATIC **SMART CHICKEN DOOR**

Manual for models Art.Nr. 8225, 8226, 8227

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# CONTENT

# 1. PREPARATION

## CONFIRM THAT THE SPACE IS LARGE ENOUGH.

Before installing/assembling, make sure that you have enough space at the place of the intended installation/assembly. For smooth operation of the device, it is necessary to provide a minimum of 31 cm of space above the upper edge of the door, left, right, and below at least 3 cm from the edge of the device. Therefore, the required size of the opening you need to mount the appliance is 20,3 × 4,8 × 25,4 cm.

## PARTS NEEDED FOR INSTALLATION

- Two AA alkaline batteries (included in package, don't use rechargeable batteries)
- 6 pcs Tapping screw (included in package)
- DC cable (included in Art.Nr. 8226 version - Automatic chicken coop door AC)
- Solar panel 2W, Art.Nr. 8228 (not included, optional accessories for Art.Nr. 8227 version - Automatic chicken coop door AC + Solar)
- 5,2 V 1A USB adapter (included in package Art.Nr. 8226 Automatic chicken coop door AC)

## PARTS NEEDED FOR INSTALLATION

- Screwdriver
- Pencil
- Power drill
- Jigsaw/ keyhole hand saw

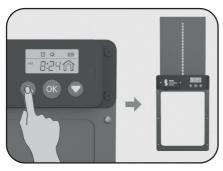We recommend the use of safety goggles and gloves.

## 2. INSTALLATION

**2.1.**
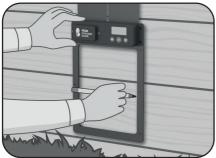Use a screwdriver to unscrew the two screws that secure the battery cover.

**2.2.**
Remove the battery cover and place two AA alkaline batteries inside (Don't use rechargeable batteries). Then close the battery cover and tighten the screws.
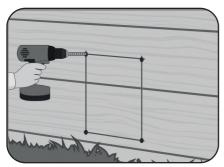
**2.3.**
First time the door is turned on, the door must be closed; opening does not respond. Press the button to close the door, then perform the basic cycle manually, press the button to open the door ⬆ until it reaches, then the button to close the door ⬇.
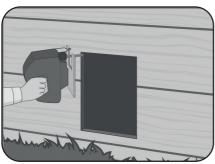
**2.4.**
Position the opened door where it will be installed and mark the sides of the opening.

**2.5.**
Drill holes in the marked corners to make it easier to use a jigsaw to cut out the door from the hole.

**2.6.**
Use a jigsaw to saw off the opening by connecting the hole.

**2.7.**
Before installing the door, please make sure that the installation surface of the door is flat and do not bend the door panel.

**2.8.**
Put the door panel in the position to be installed, and screw in the screws gently.
**Do not overtighten the screws or the rails will be crushed and the door will not move!**

## 2. INSTALLATION



**2.9.**
Press ⏶ ⏷ to test the door opening and closing.

## 3. 2 W SOLAR PANEL INSTALL  (Art. Nr. 8228)
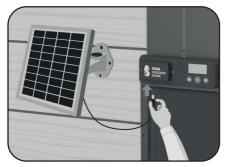


**3.1.**
Fix the solar panel and the brackets with screws.
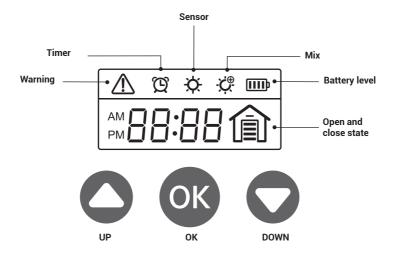


**3.2.**
Place the solar panel slanted upward as shown, and fix the solar panel beside the door panel with four selftapping screws.



**3.3.**
Plug the power cord from the solar panel into the controller. Now you can adjust the angle of the solar panel to receive more sunlight, and tighten the screws on the bracket after that.

# 4. SET UP

**Sensor**

**Timer**

**Mix**

**Warning**

**Battery level**

AM **88:88** PM

**Open and close state**

**UP**

**OK**

**DOWN**
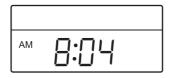
**Open state**

**OPENING**

**Close state**

**CLOSING**

## DEFAULT MODE

The door automatically works on default mode if not configured differently by the user. Default mode is sensor mode (Both open and close). In the default mode, the door detects the ambient brightness through the light sensor, open when it detects daylight, and close when it is dark.

# 4.1. SYSTEM TIME SETTING (12/24 HOUR)

**1.** Press any key to light up the screen, and then press ⓞⓚ to enter the settings.

**2.** Press ⬆ ⬇ to set the time convention, 12-hour or 24-hour. Then press ⓞⓚ to save and enter the current time setting.

**3.** Press ⬆ ⬇ to set the hour when the hour flashes, press ⓞⓚ to save and enter the minute setting.

**4.** Press ⬆ ⬇ to set the minute when the minute flash, press ⓞⓚ to save and enter the next step.

AM **8:04**

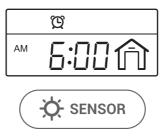# 4.2. OPENING MODE SETTING

**1.** The icon is displayed ☼ , and the coop door icon is fully open, as shown below. Press ⬆ ⬇ to switch between the various modes, the top icons ⏰ ☼ will also change to indicate the selected mode.

**2.** Press ⓞⓚ to select the required mode and enter its settings.

☼
02  🏠

⏰ **TIMER**

This mode is for automatic opening of the coop door in the morning at the time you have set, as shown on the following figure.

Press ⬆ ⬇ to set the hour when the hour flashes, press ⓞⓚ to confirm and enter the minute setting.

Press ⬆ ⬇ to set the minute when the minutes flash, press ⓞⓚ to confirm and proceed to the next step.
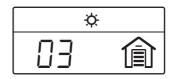
This mode is for automatic opening of the coop door at dawn using the light sensor, as shown below. The number on the left shows the current ambient light level, and the flashing number on the right is the desired light level you would like to set for opening the door. Press ⏶ ⏷ to adjust the flashing value, press OK to confirm and enter the next step. The door will open when the ambient light level reaches the desired light level you have set.



Current ambient light level

Desired ligt level (light range of the sensor : 45 - 99)

**3. After the door opening mode is set, it will go to the next step.**

# 4.3. CLOSING MODE SETTING

**1.** The icon ☼ is displayed, and the coop door icon is fully close, as shown below. Press ⏶ ⏷ to switch between the various modes, the top icons ⏰ ☼ ☼ will also change to indicate the selected mode.

**2.** Press OK to select the required mode and enter its settings.

## TIMER

This mode is for the automatic closing of the coop door at the time you have set, as shown on the following figure.

Press ▲ ▼ to set the hour when the hour flashes, press OK to confirm and enter the minute setting.

Press ▲ ▼ to set the minute when the minutes flash, press OK to confirm and proceed to the next step.



## SENSOR

This mode is for the automatic closing of the coop door in the evening /at dusk using the light sensor, as shown below. The number on the left shows the current ambient light level, and the flashing number on the right is the desired light level you would like to set for closing the door. Press ▲ ▼ to adjust the flashing number to a desired light level, press OK to save and enter the next step. The door will close when the ambient light level reaches the desired light level you have set.



Desired light lever (light range of the sensor : 00 - 44)

Current ambient light level

## MIX

This mode uses a combination of both Sensor and Timer, when selecting this mode, you will be requested to set the default time first, and the screen will display ⏰ . Then you will be requested to set the Sensor, and the screen will display ☼ .

When both are set, the door opener will use the Light Sensor as its primary reference for closing. If it is not dark enough to close using the Light Sensor, the default time you set will be used instead.

**3.** After the Closing mode setting, the screen displays SAVE, indicating the end of the setting up process. After that, teh screen power down in 120 seconds later to save battery.

# 5. ANTI-PINCH FUNCTION

This function is designed to prevent your chickens from getting caught when the door automatically closes (This function does not take effect when the door is manually closed).
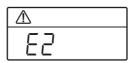
When the door is automatically closed and it finds that there is something below blocking the door, it will automatically open to the highest point and then close the door to try to remove the obstacle. This attempt is repeated up to three times. If the door is not closed after three attempts, the screen will display E2 and the light flashes slowly.

Battery-only or solar panel battery operation exhibits a different response to the pinch function than adapter-only or battery adapter operation.

Battery operation even with a solar panel: responds reliably just above the middle of the door opening and above, the distance from the bottom of the opening increases with battery discharge.

Operation on adapter or adapter with batteries: responds reliably from the middle of the door opening and above, here the response does not change with battery discharge unless there is a power failure.

If the door gets stuck outside this reaction distance, it indicates a normal closed state but is not physically open. Perform the basic cycle manually, press the button to open the door ⏶ and then the button to close the door ⏷ when the door is closed. if this condition repeats, the closing parameters must be reset in chapter 4.3.



If the "E2" appears, and the light flashes quickly, it means that something is preventing the door from closing during the automatic closing process. Please remove the obstacle and then press the ⓞⓚ button. Perform the basic manual cycle, press the door open button ⏶ , when it reaches, then the door close button ⏷ . The door will then begin to operate as previously set.

**Low batteries affect anti-pinch function operation.**

# 6. USAGE

## Read all instructions.

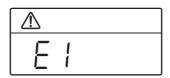**1.** Use two AA alkaline batteries to power the door.
   **Never use rechargeable batteries.**
**2.** If the door has to be stored unused for an extended period, the batteries should be removed.
**3.** Before installing/assembling the door, make sure that you have enough space at the place of the intended installation/assembly.
**4.** Installing the device indoors will affect the accuracy of the Sensor and Mix modes.
**5.** Frequently lighting up the screen will increase battery drain.
**6.** The screen will always be on when the setting is not completed, and the battery consumption will be high.
**7.** No matter what mode is set, you can open/close the door manually by pressing ⏶ ⏷ .
**8.** During the setting up process, the battery level icon 🔋 is not displayed. You can judge whether the setting up is in progress by looking at this icon.
**9.** The main interface will display the system time and the mode. For example, if the door opening setting is Timer and the closing is Mix, then the main interface will display both the Timer ⏰ and the Mix ☼⊕ icons.
**10.** When the door is opening or closing, the following screen will be displayed until it has finished (When the screen is on).



**11.** If you'd like to test that the door will open and close using the light sensor, simply choose Sensor mode for both opening and closing. Hold your hand over the sensor for 4 minutes to simulate darkness and the door will close. Remove your hand and the door will open 4 minutes later.
**12.** If the screen does not light up when pressing any key, please check the battery status.
**13.** If the battery icon appears 🔋 , it means your batteries' levels are getting low and you will need to replace them soon.

14. It is recommend to install the door in a dry place away from any rain. This will prolong the life span of the opener.
15. When there is a lot of dust on your chicken door, please clean it up in time.
16. If "E1" is displayed and the light flashes rapidly, it means that there is something wrong with the current time. Please set the current time again.
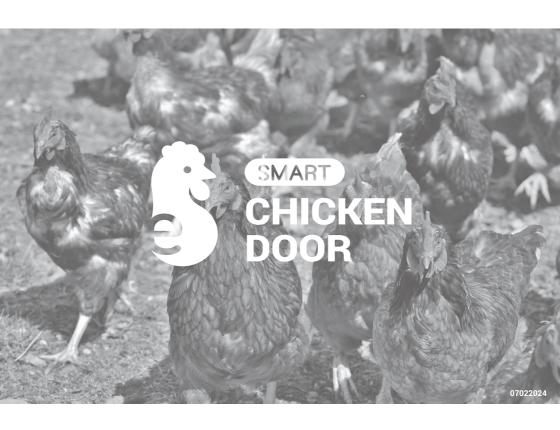
⚠

*E 1*

# Additional information about the products:

- Doors with battery-only operation cannot be connected to mains adapter or solar panel.

- The solar panel has its own built-in rechargeable battery, which, when sufficiently charged, will power the door during several days. If the battery fails to charge, the AA alkaline batteries will be used as a power source.

- If the cable length is not sufficient to connect the solar panel to the door, it can be adjusted with a conventional, extension cable with 5,5/2,1 mm power connector.

  Ensure waterproofness when connecting.

# 7. TECHNICAL SPECIFICATIONS

| Automatic chicken door Art.Nr. 8225 | Automatic chicken door AC Art.Nr. 8226 | Automatic chicken door AC + Solar Art.Nr. 8227 |
|---|---|---|
| • Automatic door<br>• User manual<br>• Batteries AA<br>• Screws | • Automatic door<br>• User manual<br>• 230 V adapter with USB power cable<br>• Screws | • Automatic door<br>• User manual<br>• 230 V adapter with USB power cable<br>• Solar panel<br>• Screws |
| **Door weight** | 0,85 kg | |
| **Door size** | 34,9 × 24,1 × 4,6 cm | |
| **Power supply mode (Power supply combination)** | **Door:**<br>· 2 pcs AA alkaline batteries<br><br>**Door AC:**<br>· 2 pcs AA alkaline batteries<br>· adapter 5V DC<br>· 2 pcs AA alkaline batteries + adapter 5V DC<br><br>**Door AC + Solar panel:**<br>· solar panel<br>· 2 pcs  AA alkaline batteries<br>· 2 pcs AA alkaline batteries + solar panel<br>· adapter 5V DC<br>· 2 pcs AA alkaline batteries + adapter 5V DC | |
| **Supply voltage** | 3,0 V (5,2 V for adapter, 7,0 V for solar panel) | |
| **Suppy current** | 0,2 - 1,5 A | |

SMART
CHICKEN
DOOR

07022024

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