



## ChickSafe Eco Door Opener with Door: Installation and Operating Instructions

### **IMPORTANT INSTALLATION NOTES!**

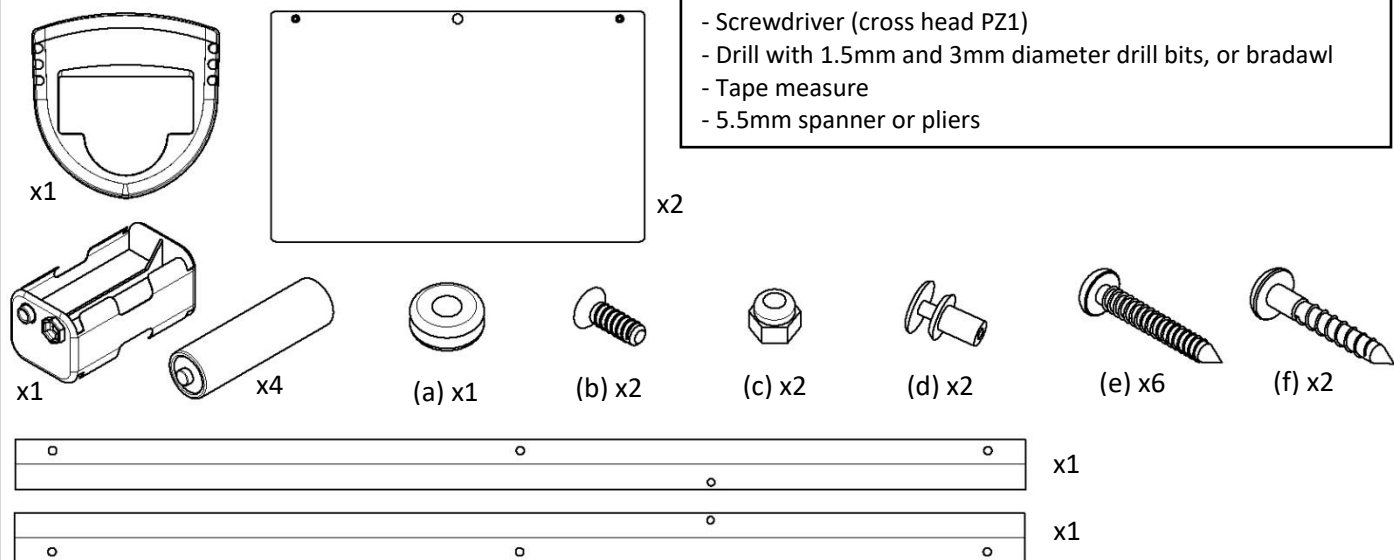
- \* The door must be attached to the opener BEFORE installing the batteries. Do not fit the batteries until the ChickSafe and door are fully installed.
- \* The door must be lifted and held in the open position before attaching the cord. The ChickSafe is supplied with the cord wound in ready to be attached to the open door. It will return to this position each time it opens.
- \* The door must stop against a solid surface at its closed position. The ChickSafe detects when the weight of the door is no longer being supported on the cord and that lets the control know the door is closed.
- \* The distance the door moves between its closed position and open position must be no greater than 500mm (19 inches). If the door moves down through a greater distance the cord will wind back in again and the door will be open even when the ChickSafe shows it is closed (double flashes of the LED light).
- \* Do not remove the knot in the cord that was tied there at the factory. This knot operates the sensing device to stop the ChickSafe in the open position.
- \* If using with an alternative door, ensure the maximum door weight of 4kg (8lbs) is not exceeded as this will cause damage to the motor and invalidate the guaranty! Note that wooden doors are heavier when wet.
- \* Check the sliding door to make sure it runs smoothly and reliably both upwards and downwards. The ChickSafe uses gravity alone to close the door.
- \* Be aware that changes in weather may cause wood to swell making doors stick in their runners. Slightly loosen the door channel fixing screws if the doors do not run smoothly.
- \* To mount the ChickSafe further away from the door, an additional length of cord may be attached to the end of the internal cord. Do not wind out any cord from inside the ChickSafe.
- \* For helpful information see our ChickSafe 'Frequently Asked Questions' page and installation videos at [www.brinsea.co.uk](http://www.brinsea.co.uk)

Please read these instructions carefully before setting up your ChickSafe Eco to achieve best results and keep these instructions safe for future reference.

To register your new Brinsea product and qualify for your free 3 year guaranty please visit [www.brinsea.co.uk](http://www.brinsea.co.uk) within 30 days of purchase and follow the link on the Brinsea home page. The serial number may be found on the box and inside the battery compartment. Sign up for the Brinsea newsletter to receive the latest news and information.

- \* **Warning - Risk of injury! Keep fingers clear of moving door and cord. Motor may start without warning.**
- \* **This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.**

## Pack Contents:



## Tools needed for installation:

- Screwdriver (cross head PZ1)
- Drill with 1.5mm and 3mm diameter drill bits, or bradawl
- Tape measure
- 5.5mm spanner or pliers

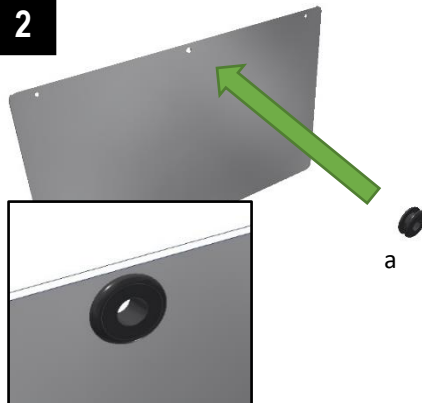
## Door Installation Instructions:

1

Peel the protective film from the front of each door panel.

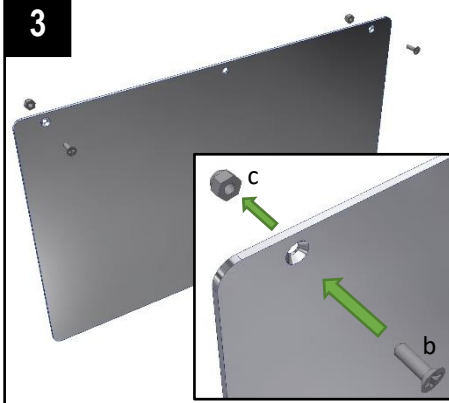
Please note there may be superficial marking on the back of each panel due to the laser cutting process used to ensure the panels are very precisely made. This does not affect the performance or life of the aluminium in any way, or the outward appearance of the finished door.

2



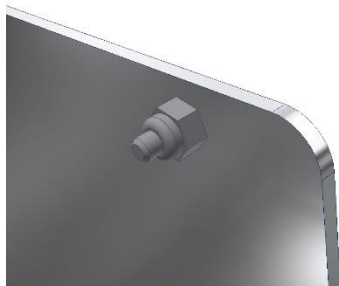
Fit the grommet (a) to the centre hole in one door panel.

3



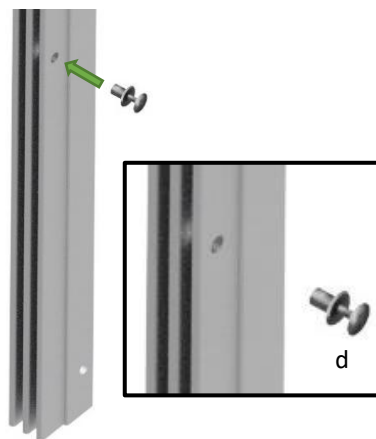
Fit the countersunk screws (b) and nuts (c) to the other door panel. The screws fit through from the back into the countersunk holes.

4



Tighten each nut by turning the screw with a screwdriver whilst holding the nut with pliers or a spanner.

5



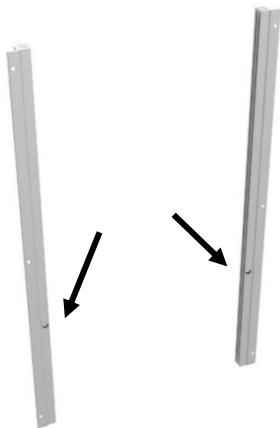
Fit a plastic rivet (d) to each channel in the hole shown.

6



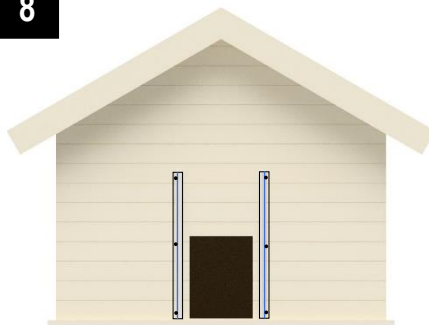
Locate the rivet in the hole, then push it in to secure it.

7



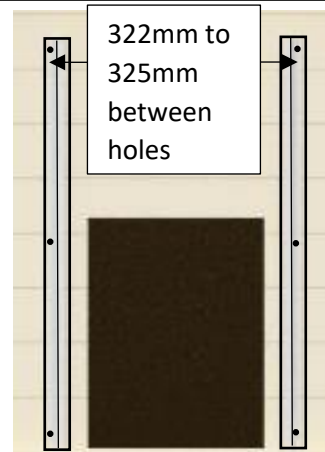
The channels are fitted to the hen house with the rivets at the bottom of each channel, not nearer to the top.

8



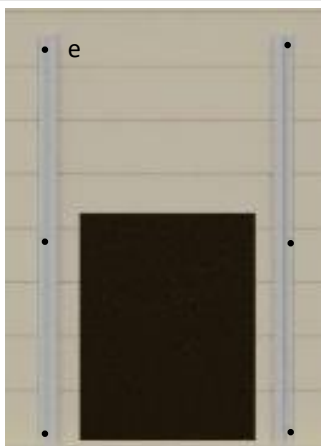
Position the channels on each side of the door hole on the hen house with the hole central between the channels. They must be perfectly vertical, flat and level. The fixing holes must be 322mm – 325mm apart.

9



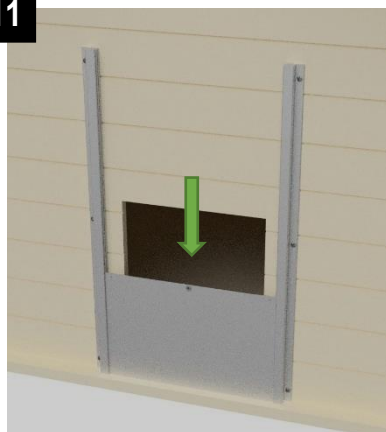
Once the channels are vertical and the holes are 322mm – 325mm apart, mark the locations for the six fixings. Drill 1.5mm diameter holes.

10



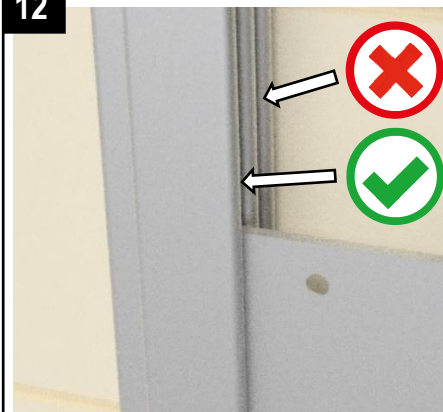
Fit the channels with the six black wood screws (e).

11



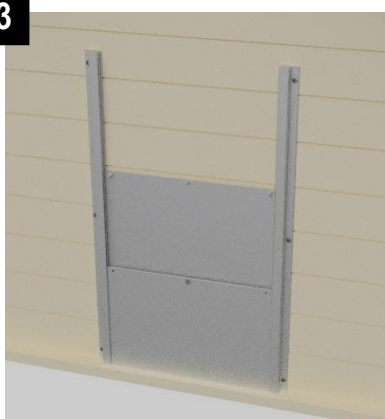
Slide the door panel with grommet down the channels.

12



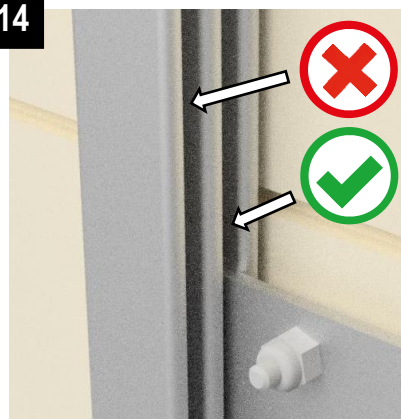
It must be in the slot nearest to you in each channel.

13



Slide the other door panel down the channels.

14



It must be in the second slot in each channel. The screws and nuts must be at the front.

15

Check that the door panels slide up and down easily. They must slide down under their own weight.

The panel with the grommet must lift the other panel as it rises.

If the panels are tight, make sure the distance between the channels is correct.

If the channels are not flat, fit washers or similar packing behind the channels at the fixings to correct them.

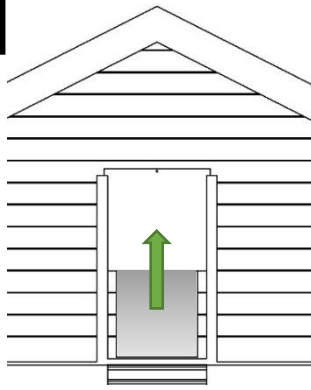
Do not over-tighten the screws. Be aware that wood may swell with changes in the weather and affect the fit of the doors.

# ChickSafe Eco Door Opener installation and operating instructions:

## Caution! - Please Note:

- Use only alkaline AA batteries
- Observe correct polarity to prevent leakage or risk of fire
- Do not mix old and new batteries
- Do not use re-chargeable batteries
- Do not use a 9 volt battery
- Remove the batteries if you do not intend to use the ChickSafe Eco for a long period.

1

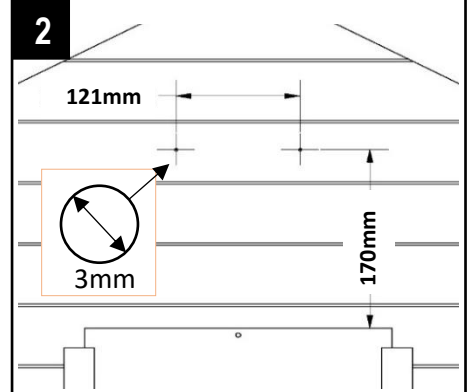


Raise the sliding door to its fully open position.

Support the door in that position.

Once fitted, the ChickSafe will always open the door to this height. Make sure it is correct.

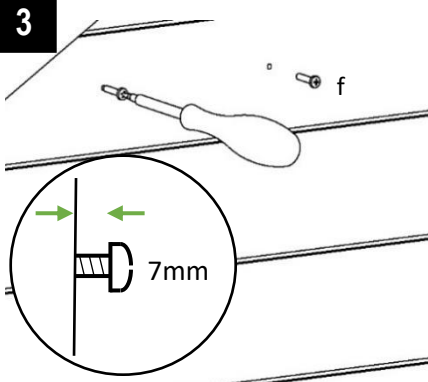
2



Mark two hole positions 121mm apart and approximately 170mm above the top of the sliding door. Make sure they are level and evenly spaced above the centre of the door.

Make the holes with a 3.0mm drill bit or bradawl.

3



Start to fit the two silver woodscrews (f) into the holes you have made.

Tighten each screw until its head is 7mm from the surface.

4



Hang the ChickSafe on the two screws.

Gently tighten each screw to make the ChickSafe secure.

Make sure the ChickSafe remains flat against the fixing surface.

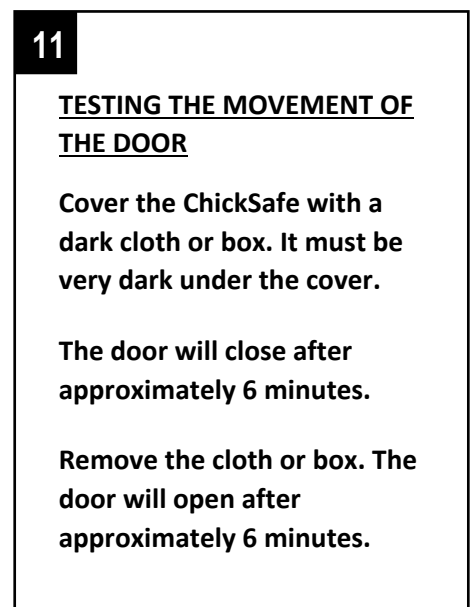
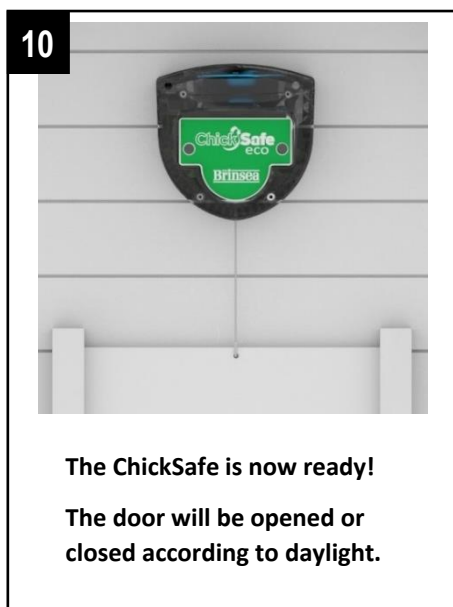
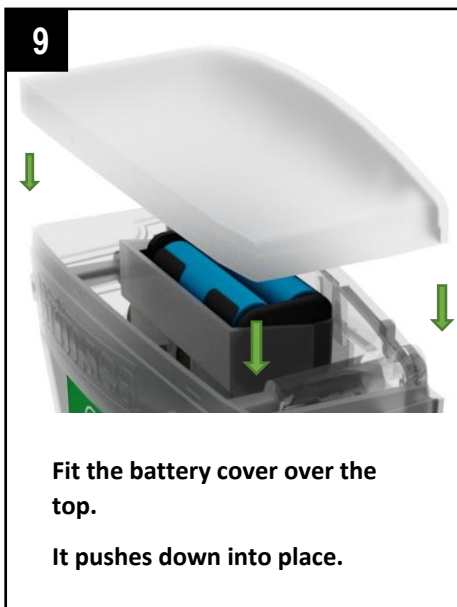
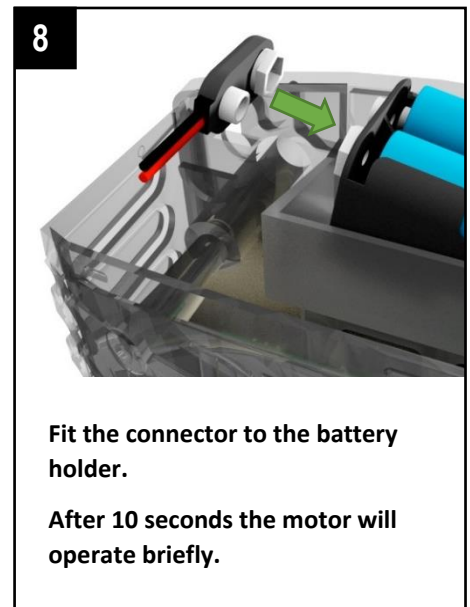
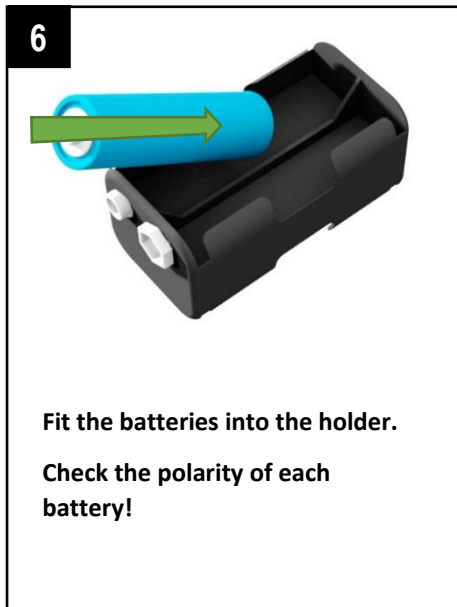
5




Tie the ChickSafe cord to the hole fitted with the grommet in the top of the door.






Make sure the cord is taut once tied on.

Now allow the door to hang on the cord.

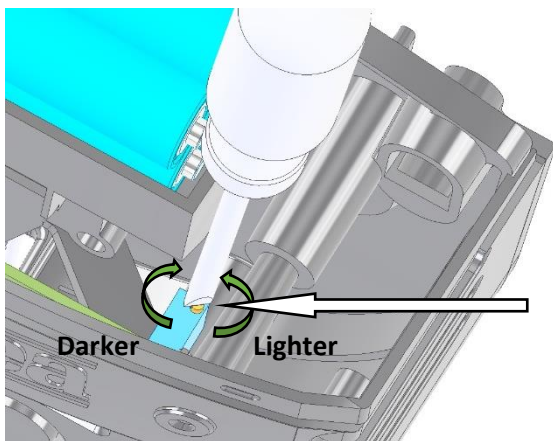


Check operation carefully for the first few days to ensure the installation is successful and the door is operating smoothly.  
The red indicator LED provides information on current status. Please continue reading for more information!



-  Single flash every 30 seconds – Door is open
-  Double flash every 30 seconds – Door is closed
-  Single flash every 10 seconds – Door is open, replace batteries soon!
-  Double flash every 10 seconds – Door is closed, replace batteries soon!
-  Single flash every second – Door is stuck or batteries too discharged to open the door. Investigate cause!





### **Closing Light Level Adjustment**

Closing light levels at dusk vary with location and direction of installation. The light level that makes the door close may be adjusted:

360 degree turn clockwise to decrease light level (darker).  
 360 degree turn anti-clockwise to increase light level (lighter).  
 (Use a small, flat precision-screwdriver).

Adjust by one turn at a time. The adjustment range from the factory setting is approximately 5 turns darker (clockwise), 15 turns lighter (anti-clockwise). Adjusting further than this range has no effect.

### **Cleaning:**

Disconnect the battery holder before cleaning the ChickSafe Eco.

Keep the battery holder and electrical connections dry at all times.

Do not immerse the ChickSafe Eco in water.

Wipe surfaces clean with a damp cloth and mild detergent as necessary.

### **Reset:**

If the batteries have been connected before the door is installed, or if the cord has become detached from the door, it may be necessary to reset the system:

- a. The ChickSafe must be upright, in its installed position.
- b. Disconnect the battery holder connector.
- c. Wait 1 minute.
- d. Gently pull the end of the cord down and keep gently pulling during the next few steps. It is important to maintain some tension on the cord.
- e. While pulling, refit the battery holder connector and still keep pulling gently.
- f. Maintain tension on the cord. After 10 seconds the cord will be wound out for a second and then start to wind in. Keep maintaining tension on the cord all the time until the motor stops.
- g. Release the cord.
- h. Disconnect the battery holder.
- i. Reattach the cord to the door in its open position. Follow the installation instructions from the start to ensure the door opens to the correct position.
- j. Reconnect the battery holder.

The system is now reset to the factory position. For helpful information see our ChickSafe 'Frequently Asked Questions' page at [www.brinsea.co.uk](http://www.brinsea.co.uk)

## **Declaration of Conformity**

**We:** BRINSEA PRODUCTS LTD. 32-33 Buckingham Road, Weston Industrial Estate, Weston-super-Mare, North Somerset, BS24 9BG

Declare under our sole responsibility the products:

**Automatic hen house door openers:**

**ChickSafe Eco (Serial numbers CS010/xxxxxxxxxx)**

**ChickSafe Eco with Door (Serial numbers CS015/xxxxxxxxxx)**

**ChickSafe Advance (Serial numbers CS020/xxxxxxxxxx)**

**ChickSafe Advance with Door (Serial numbers CS025/xxxxxxxxxx)**

to which this declaration relates are in conformity with the following UK regulations:

**Supply of Machinery (Safety) Regulations 2008**

**Electromagnetic Compatibility Regulations 2016**

**The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012**

The relevant sections of the following Standards have been used:

**BS EN 60335-1:2012+A15:2021   BS EN 55014-1:2017+A11:2020   BS EN 55014-2:1997+A2:2008   BS EN 50581:2012**

The technical documentation for the products is available from the above address.

**Authorised Representative:** Ian Pearce, Managing Director

**Signature:**

**Date of Issue:** 4<sup>th</sup> October 2023

**Place of Issue:** 32-33 Buckingham Road, Weston Industrial Estate, Weston-super-Mare, North Somerset, BS24 9BG, United Kingdom.

Automatic openers and accessories are intended to help keep chickens safe but the overall responsibility for the welfare and safety of livestock remains with the owner/keeper. Brinsea, its retailers or distributors will not be responsible for the loss of livestock or consequential loss in the event of failure however caused.

**ChickSafe Opener Dimensions:** Height 150mm, Width 150mm, Depth 75mm. Weight 375g.

**Door Dimensions:** Height 540mm, Width 334mm, Depth 17mm. Weight 910g.



Used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product to a designated collection point where it will be accepted free of charge.

Please contact your local authority for further details of your nearest designated collection point.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

**Brinsea Products Ltd, 32-33 Buckingham Road, Weston Industrial Estate, Weston-super-Mare, N. Somerset, BS24 9BG**

**Tel: 0345 226 0120**

**+44 1934 417523**

**sales@brinsea.co.uk**

**www.brinsea.co.uk**