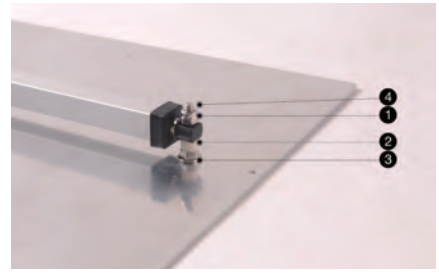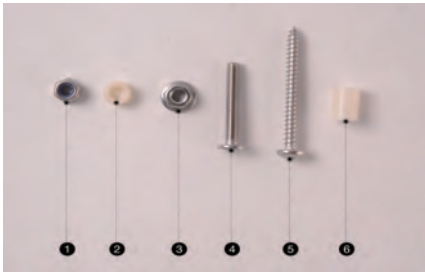# Automatic Chicken Coop Door Instructions

1. Cut a 22*32CM tall hole in the coop wall for the door. Leave a 1" lip at the bottom above the floor. Diagram on front.

2. Install rails, with holes on outer edge, 9" between the inside of the rails. Rails should extend below bottom of door opening.

3. Install screw (#4 in picture) into the hole in door. Fasten tightly with flanged nut (#3 in picture). Slide door into rails with screw pointing inside the coop.
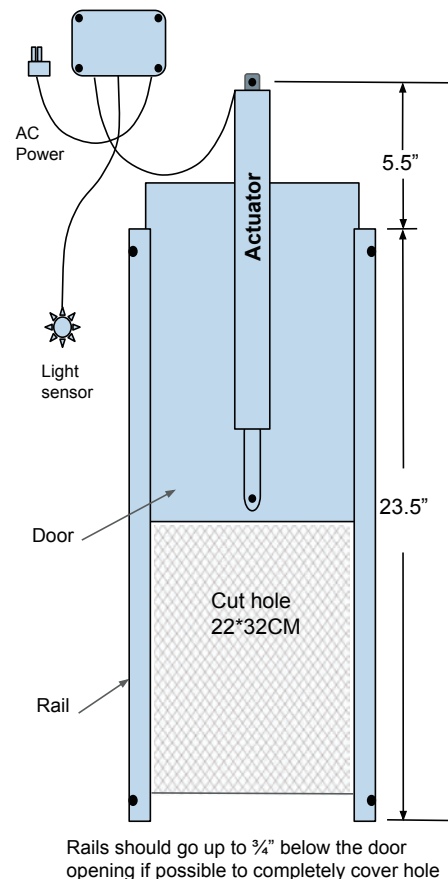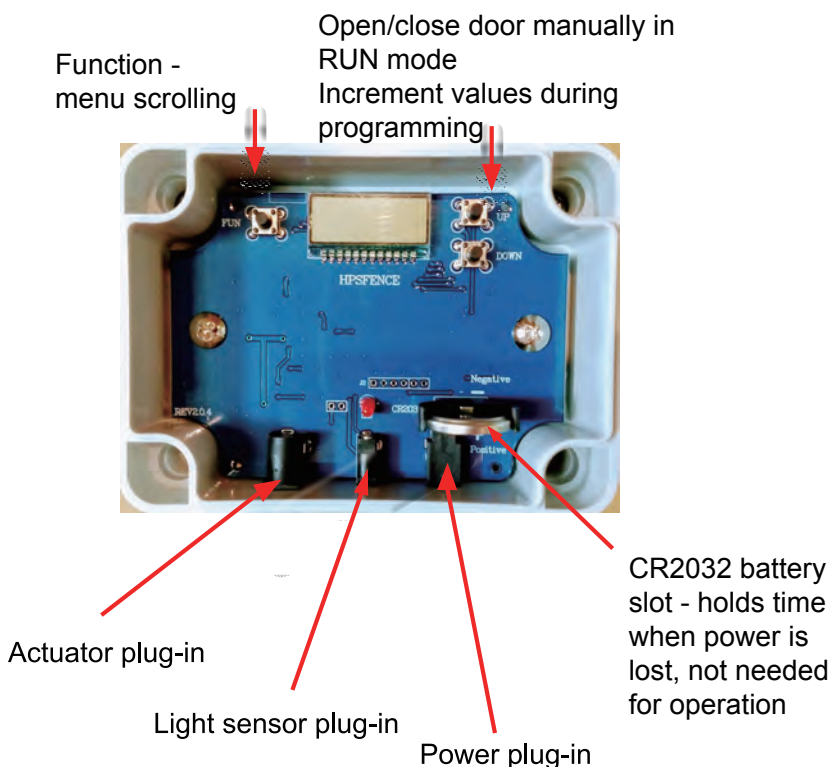
4. Install actuator onto the coop wall using wood screw (#5) and long spacer (#6). Push screw into hole in large end of actuator, then place spacer on the screw between actuator and coop wall. Screw into coop wall 28-5/8" from the bottom of the aluminum coop door. (When the actuator is extended, the bottom of the door will be 28-5/8" from the top mounting screw)

5. Slide door up and place small spacer (#2) onto screw in the door, then place lower end of the actuator on the screw and secure with locking nut (#1).

6. Remove controller cover, fasten controller inside the coop with the wood screws using same holes the cover screws go in.

7. For light sensor, drill 9/16" hole in coop wall, preferably the wall with the most evening sun. Holding the plug side, put the plug through the hole, then slide on the plastic nut and tighten. Then slide the cable through the coop wall, pushing all the cable through. Fasten light sensor assembly.

8. Connect actuator, light sensor, then power supply to the controller.

Function - menu scrolling

Open/close door manually in RUN mode
Increment values during programming

Actuator plug-in

Light sensor plug-in

Power plug-in

CR2032 battery slot - holds time when power is lost, not needed for operation

AC Power

Actuator

5.5"

Light sensor

Door

23.5"

Cut hole 22*32CM

Rail

Rails should go up to ¾" below the door opening if possible to completely cover hole

Automatic Chicken Coop Door Set-up Instructions

Parts included: Controller, Door, 2x Rails, 8x Mounting screws, Actuator, Light Sensor, Power Supply, Actuator Mounting Screw Kit

Not included: CR2032 battery (NOT needed for operation, keeps time in case of power outage)

Tools needed: #2 Phillips screwdriver or drill-driver, tape measure

Approx install time: 30 min

It is best to approach the install with a good   attitude, patience and your favorite drink of choice :)

Please make sure to train your chickens to the use of an auto door for at least several days before allowing unsupervised use. Safety mechanism may not be sensitive enough to detect chicken necks. Not recommended for young chickens. Cannot be held responsible for injuries.

To program the controller, you will use the FUN (left) button to advance through each menu item and to wake up the display. The UP & DOWN (right) buttons will increment each adjustable value. The value being adjusted will be flashing on the display.

1. Current Time `09:01`

If the display is asleep, Press & hold the SET button to wake it up. This is the first menu item you see. Displays current time.

2. Opening Parameters `OPEN`

Press the SET (left) button to advance to hours, adjust hours with UP and DOWN (right) buttons, then press left button to advance to minutes.

3. OpenTime `06:00`

Needed only if using timer option.
Set the hour, then minute to the time you want the door to open.

4. Opening Lumens `OL 16`

Set the amount of light needed to open the door. 12-16 is a good level to start with. Higher number opens later with more light.

5. Closing Parameters `CLOS`

Press the SET (left) button to advance to hours, adjust hours with UP and DOWN (right) buttons, then press left button to advance to minutes.

6. Close Time `19:00`

Needed only if using timer option.
Set the hour, then minute to the time you want the door to close.

7. Close Lumen `CL 15`

Set the amount of light needed to close the door. 8-10 is a good level to start with. Higher number closes earlier.

8. Control `CtrL`

Set the control mode here.
"0" timer open, timer close
"1" timer open, light close
"2" light open, timer close
"3" light open, light close
When using timer options, OPEN time must be <12:00 CLOSE time > (after) 12:01

9. Current Lumen `ML 22`

Displays current lumen value in the surrounding environment. the brighter the environment is, the higher the lumen values. Helpful to know if adjusting open and close lumen values.

10. Protect `PrOt`

Set the protection level. Lower number, less force required to stop downward motion. Recommended to start at 0. If the door stops, reverses, pauses for 10 sec on the way down with nothing in the way, check that your door and rails are aligned and sliding smoothly. Then try the next higher protection level.

11. Time of Day `ti ME`

Needed only if using Timer option. Set the hour, then minute to the current time of day.

06:00 = 6am   12:00 = noon
13:00 = 1pm   14:00 = 2pm
15:00 = 3pm   16:00 = 4pm
17:00 = 5pm   18:00 = 6pm
19:00 = 7pm   20:00 = 8pm
21:00 = 9pm   22:00 = 10pm
23:00 = 11pm   00:00 = midnight

12. Done `dONE`

Press the left button now to save all settings and exit programming mode. Controller is now ready and live.