Door Controller Instructions

Note: When you press any button, the back light on the screen will turn on and stay on for 60 seconds.

Manually Controlling the Door and Light:

You have the option to manually open and close the door and turn the light on and off. To do so,

- From the main screen, press the "ENTER" button. Press the right button ("-") to toggle the door up and down. Press the left button ("+") to toggle the LayLight on and off.
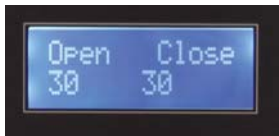
Programming the Controller:

1. Set your zip code

From the main menu, press the "-" button and then press "ENTER". You can use the right and left buttons to go up and down for each digit. Move to the next digit by pressing "ENTER". After the last digit is set, press "ENTER" again and the flashing indicator will go away. Press the "-" button to move to the next setting.

2. Set the Open and Close off-set

1. This is where you tell the program when to open and close the door. The program knows when the sun will rise and set based on the zip code and the date you enter. This setting lets you set how long before or after sunrise and sunset you want the door to open and close.

2. The default setting is to open the door 30 minutes after sunrise and close the door 30 minutes after sunset. You may change this as you would like. If you change the Open to a negative number, the door will open that long before sunrise. If you change the close to a negative number, it will close that long before sunset. The actual time the door opens and closes will then automatically adjust as the day-light changes each day.

3. Set the Light Hours

(If you selected the optional LayLight.)

When in the date and time menu, you can change the date and time by pressing the "ENTER" button. When the flashing cursor is on the date, press the "-" or "+" to adjust it up and down. Then go to the next setting by pressing the "ENTER" button again and repeat. After setting the AM/PM setting, press "ENTER" again and the flashing cursor goes away. Then press "-" to move back to the home display.

Your controller is now set. If the power goes off, all settings should be automatically saved.

Built-In Safety Feature

Occasionally a bird will roost in the doorway of your coop. Even when the door begins to close, the bird may stay there and be in the way of the door. The controller has a built-in feature that allows it to detect if there is something in the way of the door closing. If the door contacts the bird and begins to put a little pressure on it, the door will sense the resistance and reverse itself. It will then wait a few minutes and then close again. If the bird is still there, it will reverse itself again. After 5 attempts, the door will stop and the LCD will display an closing error message. The door will then start the normal cycle the following day.

AutoCoop™
Smart Door Kit

by

Package Contents

1- Door Rail (x2)
2- Door
3- Actuator
4- SmartDoor™ Controller
5- Power Supply
6- Mounting Hardware

Mounting Instructions

1. Determine the location of the door on your coop.

2. The door is designed to be mounted on the inside of your coop.

3. If you don't already have a door hole, cut a rectangular hole no larger than 9.25" wide and 13" tall

4. Mount guide rails 9.25" apart (from inside to inside), ensuring they are parallel with each other (*image 1*).

9.25"

image 1

5. The guide rails come without the mounting holes or screws so you can customize the size and location. Determine where you want the rail mounting holes and drill the holes through the aluminum flange on the outside of the rails (*image 2*). Aluminum is a soft metal so any standard drill bit will go through.

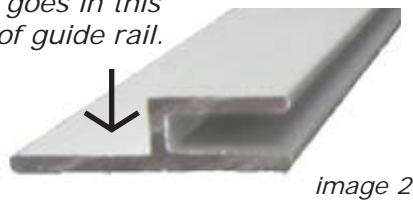*Hole goes in this side of guide rail.*

image 2

6. Mount the rails to either side of cut door hole, ensuring the door can slide easily all the way up and down.

7. Extend the actuator rod all the way out by plugging the actuator power cord into the "Door" port in the controller module. Then plug the power supply into the "Power In" port on the controller module. Press "Enter" and then press the "-" button to extend the door.
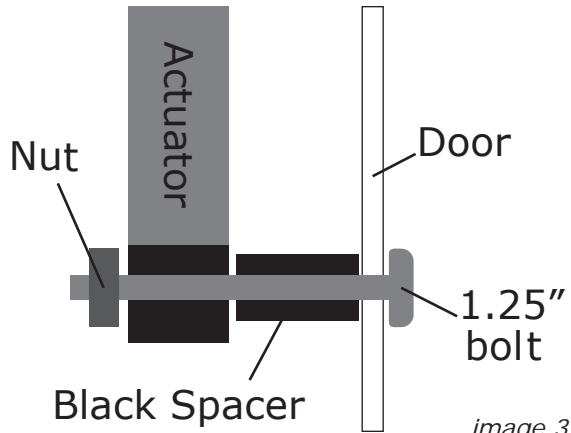
Actuator to Door Mounting Diagram

image 3

8. With the rod all the way extended, attach the rod to the door (*image 3*). Tighten the nut until snug, but don't cinch down overly tight as this may cause damge to the plastic connectors on the actuator. Then take the connected door and actuator and insert the door into the rails.
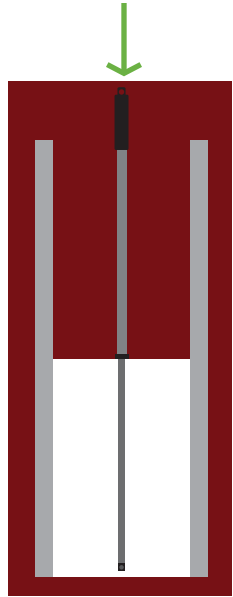
9. Measure where to drill the hole for the actuator mounting bolt (*images 4&5*) and drill a hole using 3/16" drill bit.

10. Mount the top of the actuator into place.

11. Test position by moving the actuator rod all the way in and all the way out to ensure the position is where you want it. Press the

Ensure actuator is straight up and down. Then mark the hole location.

image 4

"Enter" button and then the "-" button. As you toggle the "-" button, the door will go up and down.
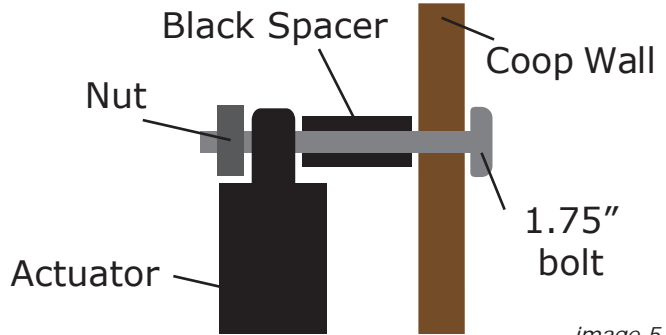
Actuator to Coop Wall Mounting Diagram

image 5

Door Controller Instructions

1. Determine the location for the controller. Ensure the LayLight and actuator wires are long enough to reach the controller. If the controller is mounted outside the coop, it should be under an eave or have something to protect it from rain, snow, or other moisture and from long term direct sunlight.

2. Mount the AutoCoop Controller using the two screws provided.

3. IMPORTANT: Plug the power supply barrel plug into the "Power In" port in the Controller. Plug the actuator barrel connector in the "Door" port. And the LayLight plug into the "LayLight" port.