

```
do forever {  
    wait for the sensor to be tripped;  
    turn on power to the door motor;  
    wait for a signal that indicates the  
        door is open;  
    wait for the sensor to reset;  
    delay ten seconds;  
    turn off power to the door motor;  
}
```

Figure 4.4 Example of the steps a microcontroller performs. In most cases, microcontrollers are dedicated to trivial control tasks.