**Global Variables**

A variable for activating the speaker – “SPKO” ( isSPKon)

A variable for turning off Speaker – “SPKOFF” (isSPKoff)

A variable for sensor on – “SNSO” (isSNSon)

A variable for sensor off – “SNSOFF” (isSNSoff)

A variable for when the sensor detects motion (isSNSdetecting)

If not, then there is no movement

If there is, then there is movement

* A variable for activating the speaker “SPKO” is when the speaker turns on because the motion sensor senses motion.
* A variable for turning off speaker “SPKOFF” is when the speaker turns off whenever the motion sensor does not sense any motion
* A variable for Sensor on “SNSO” is when the sensor is turned on so it can start sensing movement
* A variable for Sensor off “SNSOFF” is when the sensor is turned off so it will no longer sense movement.

**Initialization**

Pir Sensor – 5V Pin, Ground Pin, Signal Pin

Speaker – Signal Pin, Ground Pin