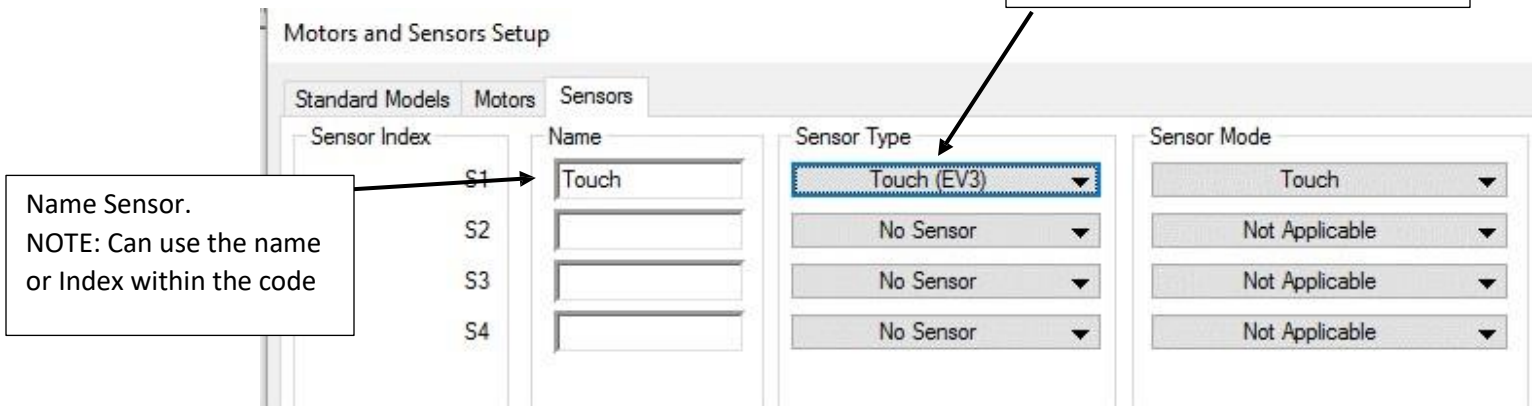


Tutorial 2: Touch Sensor

1. Mount the Touch sensor to the front of your robot
2. When using the Touch Sensor there is two values 0 = not pressed and 1 = pressed. Using an If or While statements the programmer can make the robot do conduct different actions based on the inputted data.
3. Create a NEW Program
4. Sensor Setup
 - i. Robot > Motors and Sensors > Sensors Tab

Drop down menu allows user to select the type of sensor that is desired.



- ii. Apply > Ok

5. Write the following program

```
6  task main()
7  {
8
9      while (SensorValue [Touch] == 0)
10     {
11         motor (motorB) = 25;
12         motor (motorC) = 25;
13
14         if (SensorValue [Touch] == 1)
15         {
16             motor (motorB) = 0;
17             motor (motorC) = 0;
18         }
19     }
20 }
21 }
```

7. Upload the program and test the touch sensor with a barrier

Robot C Programming Tutorial

By: Matthew Jourden
Engineering Program
Brighton High School

Robot C Program 2: Touch Sensor

Write a program that will do the following

1. Touch sensor starts the robot going forward (Speed not greater than 25)
2. Touch sensor pressed a second time will stop the robot

Show Teacher upon completion