



14-10-2020

PROGRAM-12

Title : Vibrator and LDR Sensor

Aim : To vibrate during day time.

Hardware Required : Arduino Board, Bread Board,
Transistor, Vibrator, Multimeter, Photoresistor,
Resistor.

Circuit Diagram:

Code :

```
int motorpin = 3;  
int sensorpin = A1;  
int threshold = 400;  
void setup()  
{  
  pinMode(motorpin, OUTPUT);  
  Serial.begin(9600);  
}
```

```
void loop()
```

```
{
```

```
  int value = analogRead(sensorpin);
```

```
  Serial.println(value);
```

```
  if (value > threshold)
```

```
  {
```

```
    digitalWrite(motorpin, HIGH);
```

```
  }
```

```
  else
```

```
  {
```

```
    digitalWrite(motorpin, LOW);
```

```
  }
```

```
  delay(1000);
```

```
}
```

Observation / Conclusion:

The vibrator starts vibrating when ~~the~~ it is there is sunlight.