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Exp.

Vibration Motor and LDR

Aim
Design an automated day indicator system.

Hardwares Required
NPN transistor, resistor, Vibration Motor, Multimeter, Photo resistor, Arduino Board.

Code

```
int motorPin = 3;
int sensorPin = A1;
int threshold = 400;

void setup()
{
    pinMode (motorPin, OUTPUT);
    Serial.begin (9600);
}

void loop()
{
    int sensorValue = analogRead (sensorPin);
    Serial.println (sensorValue);

    if (sensorValue > threshold)
    {
        digitalWrite (motorPin, HIGH);
    }
    else
    {    digitalWrite (motorPin, LOW); }
}
```

Vcc

RSET
RET

K
A4
A3
A2
A1
A0

GND

Drc
D14
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0

collecter

emitter

N

Vibration motor

Multimeter