

PROGRAM NO: 13

PROGRAM TITLE: IR Based Servo Motor Controller

AIM: Design IR based servo motor Controller.
Clockwise and Counter Clockwise rotation
of shaft.HARD WIRE REQUIRED: Arduino Board, Bread board,
IR Sensor, IR Remote,
Nico Servo.

CODE:

#include <servo.h>

#include <IRremote.h>

int RECV_PIN = 11

IRrecv irrecv(RECV_PIN);

decode_results results;

Servo myServo;

void setup()

{

Serial.begin(9600);

irrecv.enableIRIn();

}

void loop()

{

if (irrecv.decode(&results))

switch(results.value)

{ ~~switch(results.value)~~

case 0xFFD00FF:

myServo.attach(9);

Serial.println("start...");

break;

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```
case 0XF D20DF :  
    myservo.write (-360);  
    Serial.println("Counter clockwise");  
    break;
```

```
default :  
    Serial.println("Unrecognized code");  
    Serial.println(result.value, HEX);  
    break;
```

```
}
```

```
isrcv.resume();
```

```
}
```

```
}
```