**WIRELESS DC MOTOR DIRECTION CONTROL**

**AIM:**

The aim of the project is design system for controlling the motor directions using wireless technology

**BLOCK DIAGRAM:**

**RF RX**

**RF TX**

**HT12D**

**HT12E**

**MOTOR**

**H-BRIDGE**

**KEYS**

**PowerSUPPLY:**

**Step Down**

**Transformer**

**Bridge**

**Rectifier**

**Filter**

**Circuit**

**Regulator section**

**DESCRIPTION:**

Here we have used RF434 MHz modules to make wireless remote. Using this remote, we can control the appliances within the range of 100 meters. This project has two sections, one is transmitter section and the other is receiver section. At transmitter section, we use HT12E encoder and at receiver section, we use HT12D decoder.

When we press any key in the remote, the transmitter section generates the corresponding RF signal and this signal is received by the receiver section, hence it switches the corresponding appliance.

**HARDWARE:**

* RF TX,RF RX
* HT12E
* HT12D
* H-BRIDGE
* MOTOR
* POWER SUPPLY

**RESULT:**

By using wireless communication we are controlling a motor directions or speed.