

Following is the technical description for receiver of ceiling fan remote control :

### TECHNICAL DESCRIPTION

#### A CIRCUIT OPERATION :

1. RADIO REMOTE CONTROL • CARRIER WAVE FREQUENCY IS 315MHZ± 75KHZ ;
2. REMOTE DISTANCE EXCEED 12 METER
3. THREE FAN SPEEDS ARE OPTIONAL ;
4. THE LIGHT DIMMER ;
5. RECERVE DATES WHEN BREAK THE POWER
6. EMC78P156E OPERATION WITH 6M CRYSTAL ;
7. 16 DIFFERENT CODE COMBINATION •

#### B COMPONENT DESCRIPTION :

NUMBER	NAME	DESCRIPTION
EMC78P156E	SINGLE CHIP IC	CONTROL LIGHT&FAN
ATMEL24C02	E <sup>2</sup> ROM	RESERVE DATA
315M	RECEIVE MODULE	315MRF Demodulation
79L05	VOLTAGE REGULATOR	-5Vvoltage Regulation
BT136	TRIAC	Fan On/Off Switch
BT137	TRIAC	Lamp On/Off Switch
4743	ZENER DIODE	12V Voltage Regulation