

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 $315\text{MHz} \pm 75\text{KHz}$;
- 2 . REMOTE DISTANCE EXCEED 12 METER
- 3 . THREE FAN SPEEDS ARE OPTIONAL ;
- 4 . THE LIGHT DIMMER ;
- 5 . RECEIVE DATA 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 ² ROM	RESERVE DATA
315M	RECEIVE MODULE	315MRF Demodulation
79L05	VOLTAGE REGULATOR	-5V voltage Regulation
BT136	TRIAC	Fan On/Off Switch
BT137	TRIAC	Lamp On/Off Switch
4743	ZENER DIODE	12V Voltage Regulation