

The AC-DC will reduce the voltage of the power grid to 3.3V to power the Wi-Fi modul, switching power supply controller and Touch IC; Press the button and turn on the switch, the Touch IC on the Main board will detect the zero point of power grid sine wave and turns on the SCR. Then turns off the SCR after delaying Timel. When the finger touches the slider, the Touch IC sends the current key value to Wi-Fi module, then the Touch IC will adjust the Timel according to the key value to achieve the purpose of dimming; In addition, the smartphone app can also send the brightness-value to Wi-Fi module. Then the module forwards the command to Touch IC to adjust the value of Timel for remote-controlled dimming.

WI-FI:

Specification	:	802.11b/g/n HT20
Operation Frequency	:	2412-2462MHz
Number of Channel	:	11 channels
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Antenna installation	:	PCB Antenna
Antenna Gain	:	2.5 dBi
crystal	:	26 MHz