LC-321S Circuit Descriptions

1. AC power pass through AC Module, converting AC power(110V) as DC power (12V), then being converted as DC 5Vvia 78L05, to supply M board & T board. The circuit protection part of power board is a 10A fuse for current overload, & surge absorbers deployed at Hot & Load line to prevent sudden surge impact. When the 1st second of switch ON, the TRIAC bears the big current then the relay take over to prevent the surge directly strike down the relay.
2. There are 2 ways to control the loading line: a.) Touch the capacitive sensing zone on T board to control. b.) Use an RF remote controller to transmit a series of specific digital radio frequency code to the receiver of the switch & the MCU decides to turn ON/OFF the loading end.