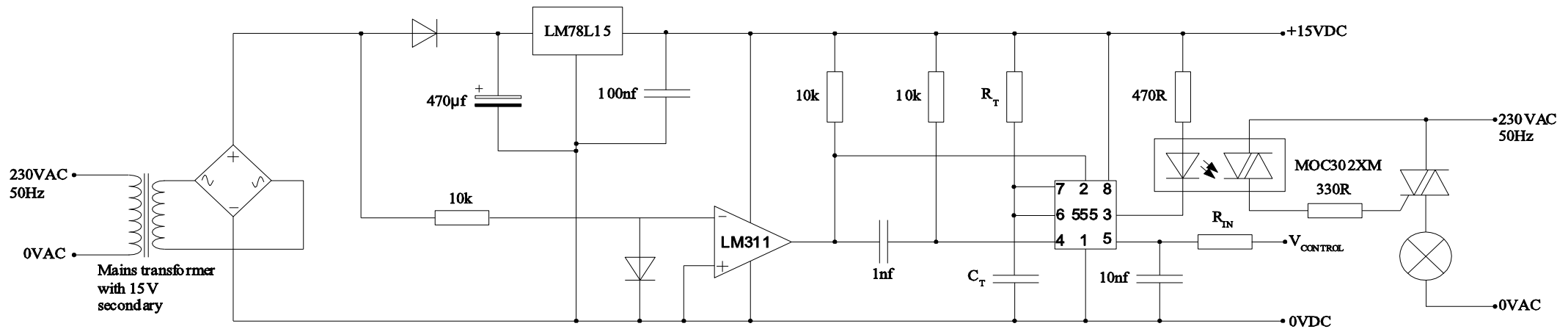


Voltage controlled phase control lamp dimmer.



This circuit is inverted, the higher V_{CONTROL} the dimmer the lamp, if you don't like this then add an op-amp to invert it again and therefore make it non-inverting. I haven't tested this circuit yet and I don't plan to either as I don't need it, it's just an idea I came up with when I was bored. The values of C_p , R_t and R_{in} haven't been calculated yet, they depend on the frequency of the supply and the range of V_{CONTROL} .

Important

0V AC and 0VDC are two completely separate 0V rails don't connect them both together as it'll present a safety hazard!