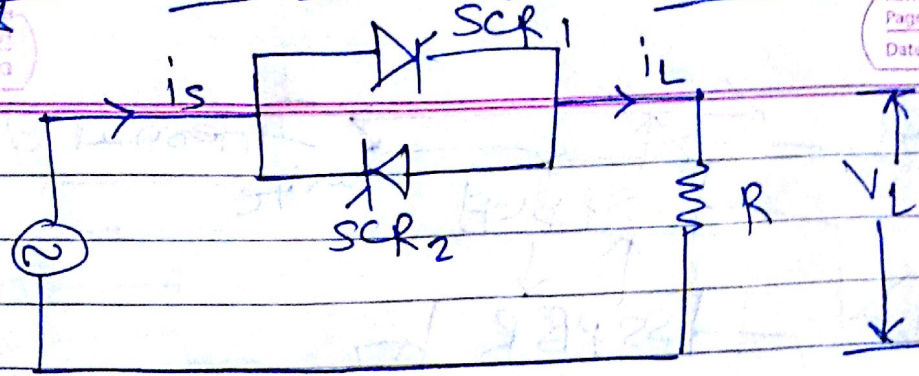


* Single phase full wave AC Controller using R-load. *



→ * 2 SCRs are connected in anti-parallel. Load Vtg & powers both Control koru shakte because of 2 SCRs. ∴ bidirectional Controller mhantat. SCR₁ → the half cycle control korol & SCR₂ → -ve.

→ Firing angle α from 0 → 180° vary korun RMS o/p Vtg control krta jeta.

→ Load Vtg, load current & Source current are symmetrical & in phase because of purely resistive load.

→ Core Saturation Che Problem nai & shape for Same ache.

