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There are three fundamental mode of heat transfer: diffusion, convection and radiation. Although our modern windows are really good at blocking heat transferred from diffusion and convection, a lot of energy is able to pass through them in the form of electro-magnetic waves, mostly in the visible and infrared spectrum. It has been proven that even transparent curtains will afford adequate protection from optical radiation in the ultraviolet region, but that all of them will transmit high percentages of infrared radiation, while the solar irradiance is high in the infrared spectrum. Using a system of polarizers active specifically for the range of the IR spectrum with the highest irradiance and a liquid crystal cell (LCC) we can alter the energy transmittance of windows without blocking visible light. This way, using less energy than usual conditioning systems we can control the temperature of the environment, without rendering our windows opaque in the visible spectrum. This is achieved by using a system of combined Kerr and Pockels cells, with high electro-optic constant, low energy expenses and longitudinal applied voltage.