

**Development of an electronic control IC safeguard system for EPROM erasers**

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An EPROM can only be erased using UV light. It requires a specific UV frequency of 253.7 nm for this task and a correct exposure time to prevent overexposing the IC. The exposure time is a function of the intensity of the UV source. The excessive exposure will slow down the access time of EPROMs.

A study was carried out to overcome the instrumental problem by using 27XX series EPROM Ics and a fully automated user friendly control system was built. The laboratory tests show that the control system can protect the EPROMs from over-exposing. The system can also be used as a data reader for EPROMs.