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兼具零熾光電流之預熱可控式螢光燈電子安定器
**Preheating Controlled Fluorescent Electronic Ballast
with Zero Glow Current Function**

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Abstract

In this paper, a Preheat Controlled Fluorescent Electronic Ballast with Zero Glow Current Function is proposed to obtain zero glow current and preheating control ability to increase the using life of the fluorescent lamp. In order to access the performance of the proposed fluorescent electronic ballast, a prototype for 40W fluorescent lamps is design and implemented. Experimental results show the proposed Fluorescent Electronic Ballast can ignite the fluorescent lamps at the temperature of lamp filaments in 700.degree.C ~ 1000.degree.C, and zero glow current is obtained at the same time. Thus, the using life of the fluorescent lamp is increased as we wanted.

關鍵字：電子安定器;零熾光電流;燈絲預熱溫度可控;預熱可控式