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GOLDEN MIND DEVELOPMENT LIMITED

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Date : 14. Jun, 2004

P.M. IT MKO (7)	
Receiving Date:	16/06/04
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Working Principle

The First main current pass through the filter and AC-DC converter which constructed by C1, D1 , D2, D3 . Then, current pass through the Clock IC to drive the LED display operation.

The Second main current also pass through the filter and AC-DC converter which constructed by C14, D4 , D5, D6 , D7. Then, current pass through TR1, TR2 and TR3 to produce a base current for TR1 , TR2 and TR3 . A positive feedback voltage let TR1 , TR2 and TR3 jump to saturation region rapidly. Next, the transformer is not charged and the induce voltage disappear. TR1 will be discharged because base current decrease and finally switch off and complete one oscillation cycle. A high frequency pulsed voltage will be induced on EE16 transformer and turning on the fluorescent tube.