

DIGITAL ALARM TIMER

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ABSTRACT

What is Digital Alarm Timer? It is a device that can be used in the comforts of the portable is necessary with the advancement in today's technology. This project that deals with provide indication alert when any purpose of the allotted time is over with a simple system, cost effective design using conventional component.

How does it work? Just by switching on the supply 'on' the device, this device just a 3-digit (minute) countdown timer which can be preset from 001 to 999 minute. The time duration is preset using tactile switches S2, S3, S4 with slide switch S1 in 'set' position. On the time duration is preset, the same is displays in 7-segemnts LED displays (DIS.1, DIS.2 and DIS.3). as soon as the time preset, flipped from 'set' position to 'start', the displayed time will start decrementing once a minute until it becomes 000, it will comes up the interrupt beep sound is heard from the buzzer with indicating that the time allotted to the particular purpose is over.

The user can consider this device of additional circuit part 2, which the appliance 'on/off' switching for any electrical to electronic device application for the digital alarm timer instead of the only countdown purpose for provide indication beep sound. All of this project system only consists of a simple hardware. Concept, design and the operation of the system are thoroughly presented in this report.