Commentary

Timer switch to convert suction apparatus for negative pressure wound therapy application

ntermittent negative pressure therapy has proved its advantages. This presentation has sought to propose a cost effective Integrated Circuit (IC) based Electronic circuit to create breaking in Electric supply for specified time, and restoring it for specified time in cyclic manner automatically. The two ICs used in the equipment are Regulated IC 7812 and Timer IC 555. The IC 7812 is the voltage regulator IC which gives + 12 V. Interesting to note the label, the 78 denotes (+ve) while 79 denotes (-ve) and the last two figures show the output voltage. In other words, IC 7812 is a regulated voltage source that powers the rest of the circuit in particular devices. These are used in several other electronic equipment like power supply of a cord less microphone and clap switch. However, in few of these equipment they have been getting heated up. On inquiry, the authors of this paper confirmed using their timer circuit for several hours continuously, without major heating as well as fuse blowing. The IC 555 has interesting working pattern. This chip allows the current

to flow through, while monitoring the voltage build up

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