

## Re: 50 hz timer motor

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.repair/2005-11/msg01171.html>

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- *From:* "Ron(UK)" <[ron@xxxxxxxxxxxxxxxxxxxxxx](mailto:ron@xxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 19 Nov 2005 12:27:42 +0000 (UTC)
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Sam Goldwasser wrote:

A photo of the "power card" is at:

<http://repairfaq.cis.upenn.edu/Misc/tmp/pwrcard.jpg>

Schematic is now back at:

[http://repairfaq.cis.upenn.edu/Misc/tmp/sch\\_eng.pdf](http://repairfaq.cis.upenn.edu/Misc/tmp/sch_eng.pdf)

I suspect, looking at the power card photo, that same pcb is used for either mechanical or a microprocessor controlled machines. There`s some empty components spaces to the right of the heatsink which are probably triacs to control watervalves, pump, etc, on the micro machine. the motor control triac is just visible clipped to the left hand side of the heatsink - could be TR1. The relay could be either heating element control or motor direction, I would guess motor direction. The white plastic cased module is very typical of continental machines.

Looking once again at the pdf, I see that there`s a feed to the timer motor from the module, which is probably how the timer gets interupted during the heat pause phase. I cant see how a problem there would cause the machine to increment through at a faster than normal pace tho a shorted component might cause the timer motor to run all the time.

Ron

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