

Re: laptop heater

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2007-01/msg00101.html>

- *From:* default <default@xxxxxxxxxxxxxx>
 - *Date:* Tue, 02 Jan 2007 09:29:03 -0500
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On 1 Jan 2007 08:34:13 -0800, "george" <gjdbxxxx@xxxxxxxxxx> wrote:

Two problems. I have attempted to find thermostat switches between 60 and 80 deg F with no luck. Do they just not make them? Also I am being buried in information about heaters. Can someone provide a recommendation about a flat heater(1 or 2 inches thick) that I can use? Preferably surplus.

Check out pet stores or agricultural supply places for heaters – they make indoor/outdoor fiberglass enclosed pads for warming animals with built in thermostats. Dogs Cats Hogs, etc..

Likewise pet stores for terrarium heaters – indoor thingee that goes under the terrarium – usually no real thermostat but might have different power settings.

Thermostats are readily available through surplus outlets – easy to build from scratch too.

Hardware stores sell electric thermostats for electric baseboard heating. Designed to go in a standard switch box and with a positive action switch designed to switch 20 amps at 240 volts. Temperature range on the dial of the ones I have is 50–90 (F) but the actual knob travel is more like 30–100 (F). That, an insulated box and light bulb
.. . .

The lower temp limit is usually because the lubricant in the hard drive can thicken and cause the platter to spin up slowly causing a head crash on boot up – worst case. Once running and warm it may be safe enough in a cold room as long as the drive stays up. Other downside is some liquid crystal displays are sluggish at low temps. Cold cathode fluorescent lamps may not fire cold – but not catastrophic failures as a rule.

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