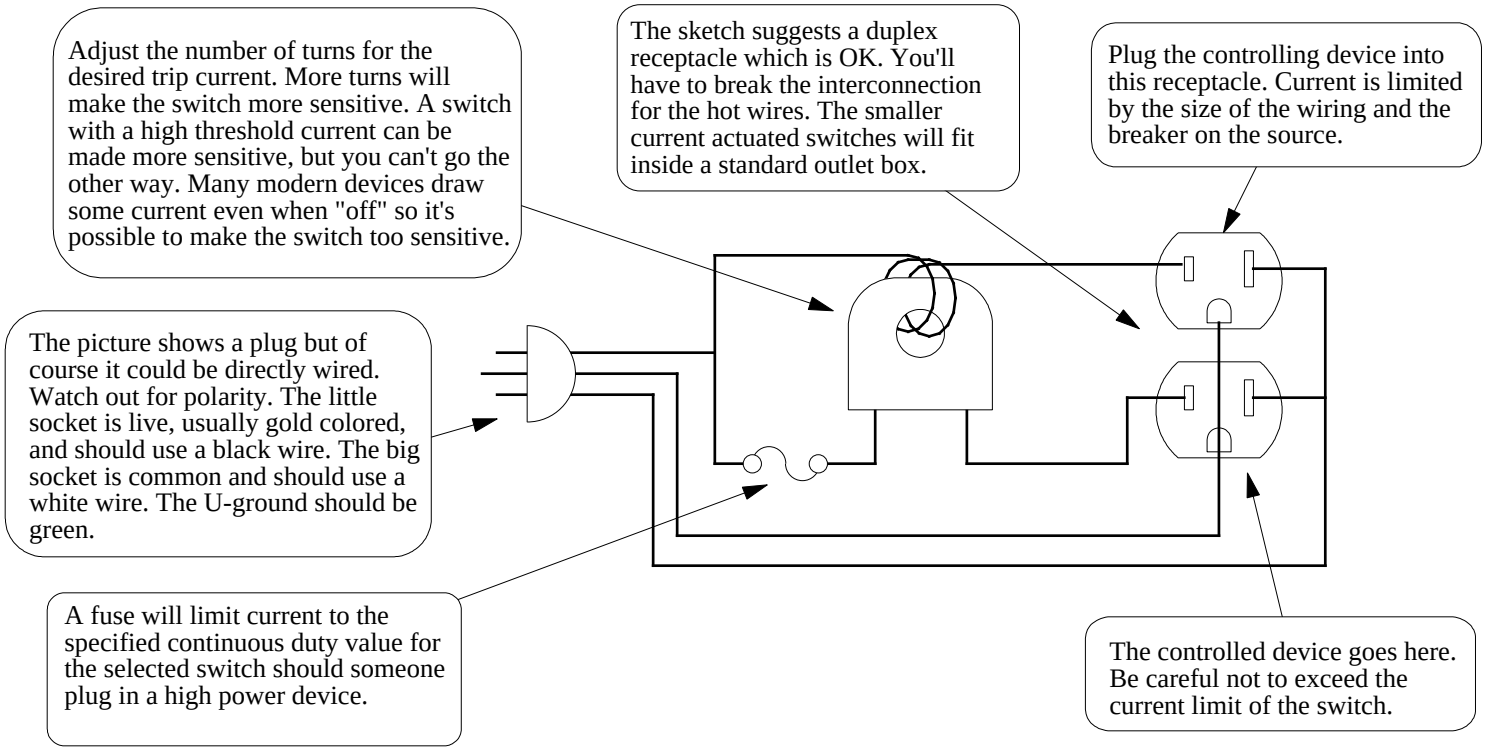

A simple switch to turn on a secondary device such as a modem or small printer.

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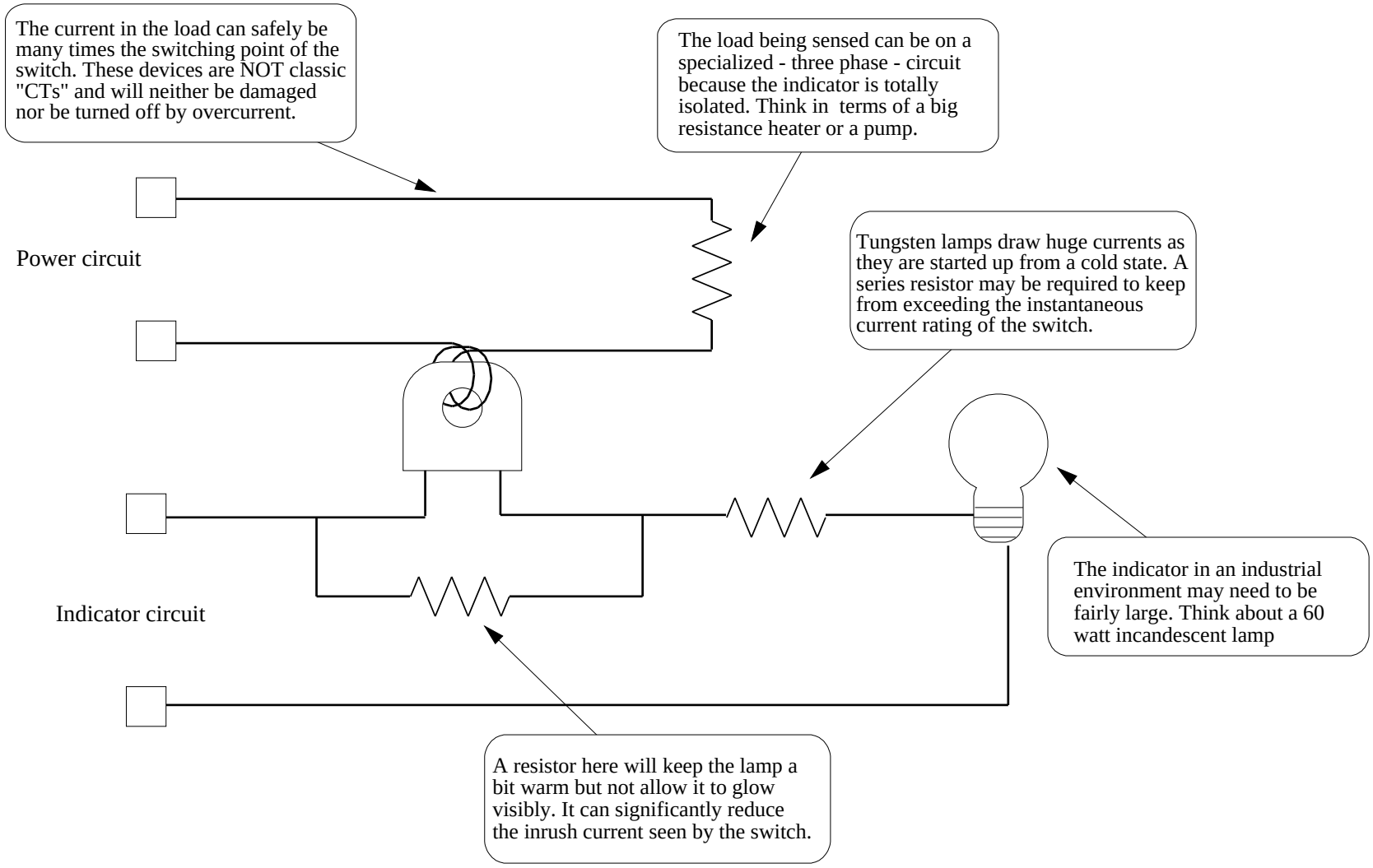

Turning on an indicator lamp in an isolated circuit.

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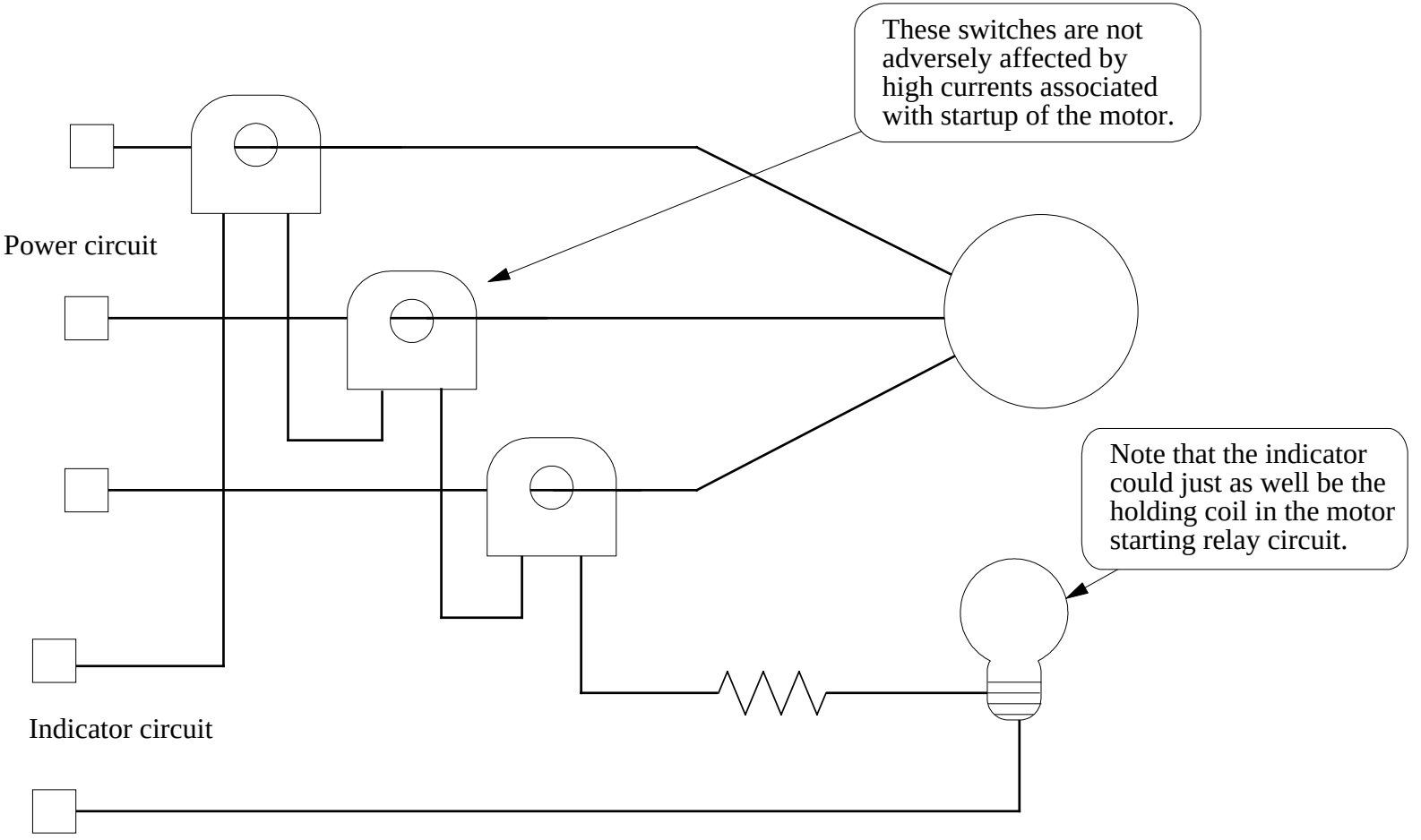
Thursday, May 20, 1999 at 13:51:12



Loss of phase warning for a delta-connected motor.

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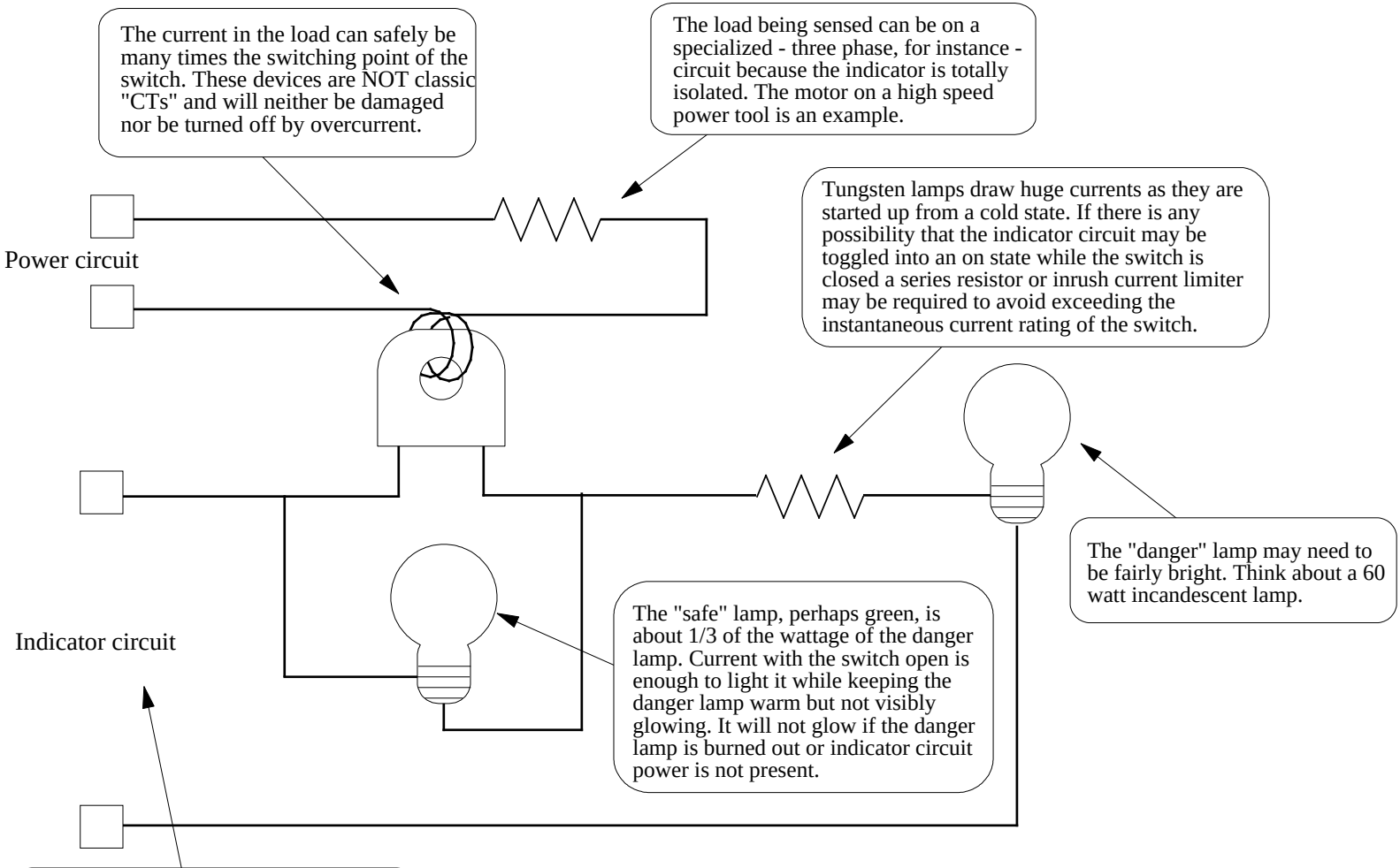
Friday, May 28, 1999 at 15:22:58



A two-lamp safety indicator.

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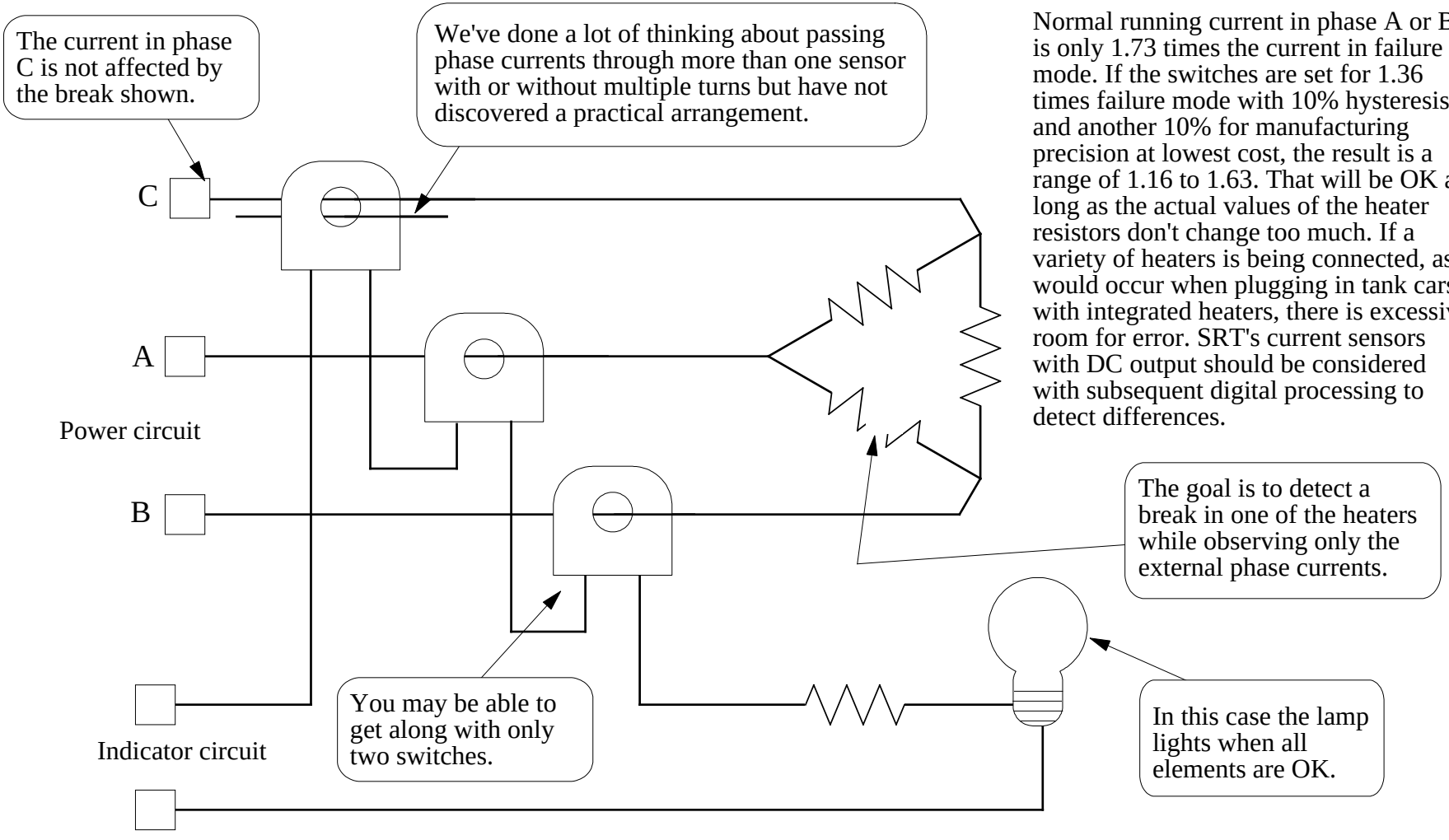
Thursday, June 3, 1999 at 15:29:14



Normal running current in phase A or B is only 1.73 times the current in failure mode. If the switches are set for 1.36 times failure mode with 10% hysteresis, and another 10% for manufacturing precision at lowest cost, the result is a range of 1.16 to 1.63. That will be OK as long as the actual values of the heater resistors don't change too much. If a variety of heaters is being connected, as would occur when plugging in tank cars with integrated heaters, there is excessive room for error. SRT's current sensors with DC output should be considered with subsequent digital processing to detect differences.

Monitoring the elements of a delta-connected tank heater

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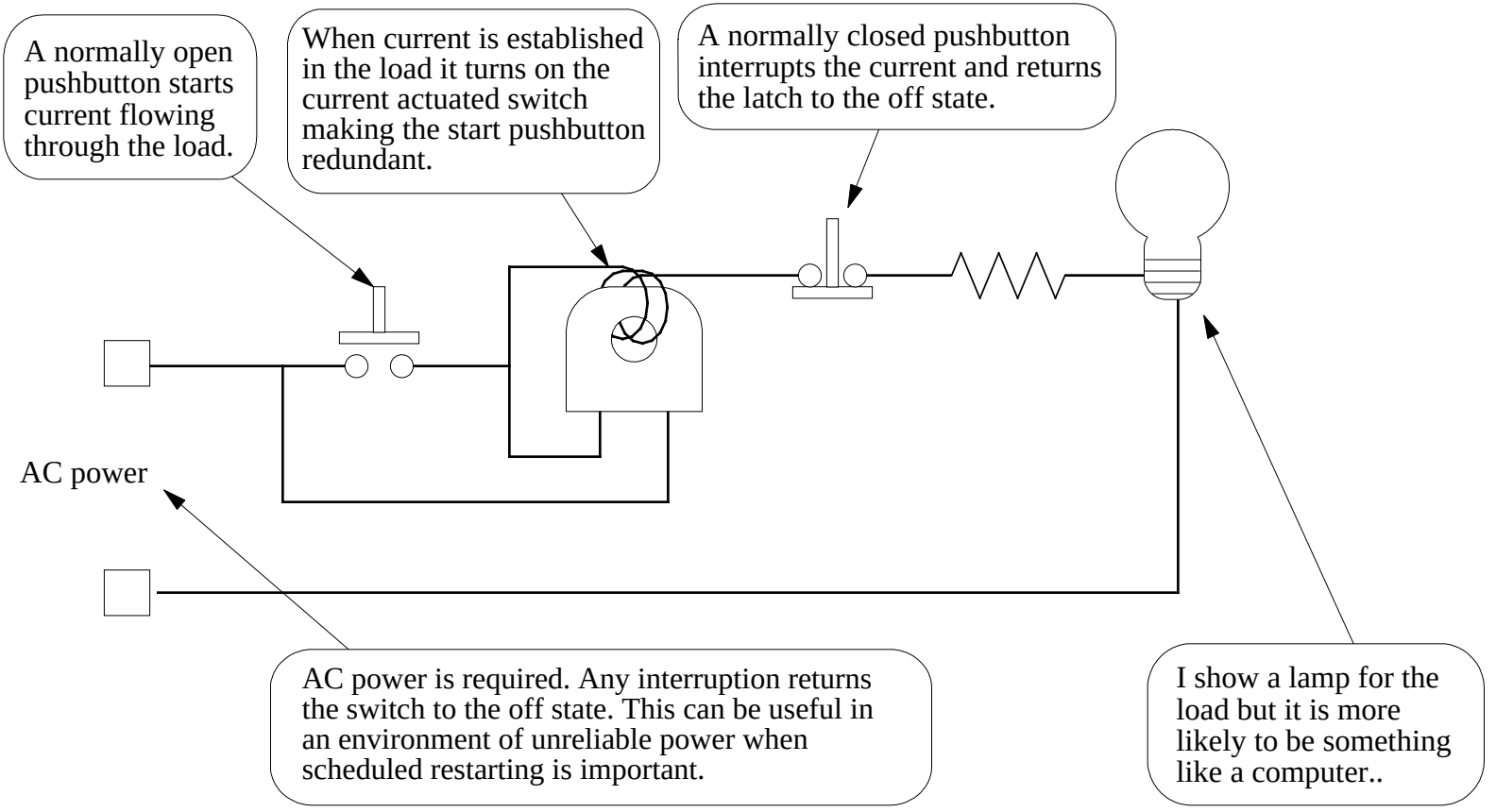
Friday, June 4, 1999 at 16:05:45



Latching a load by its own current

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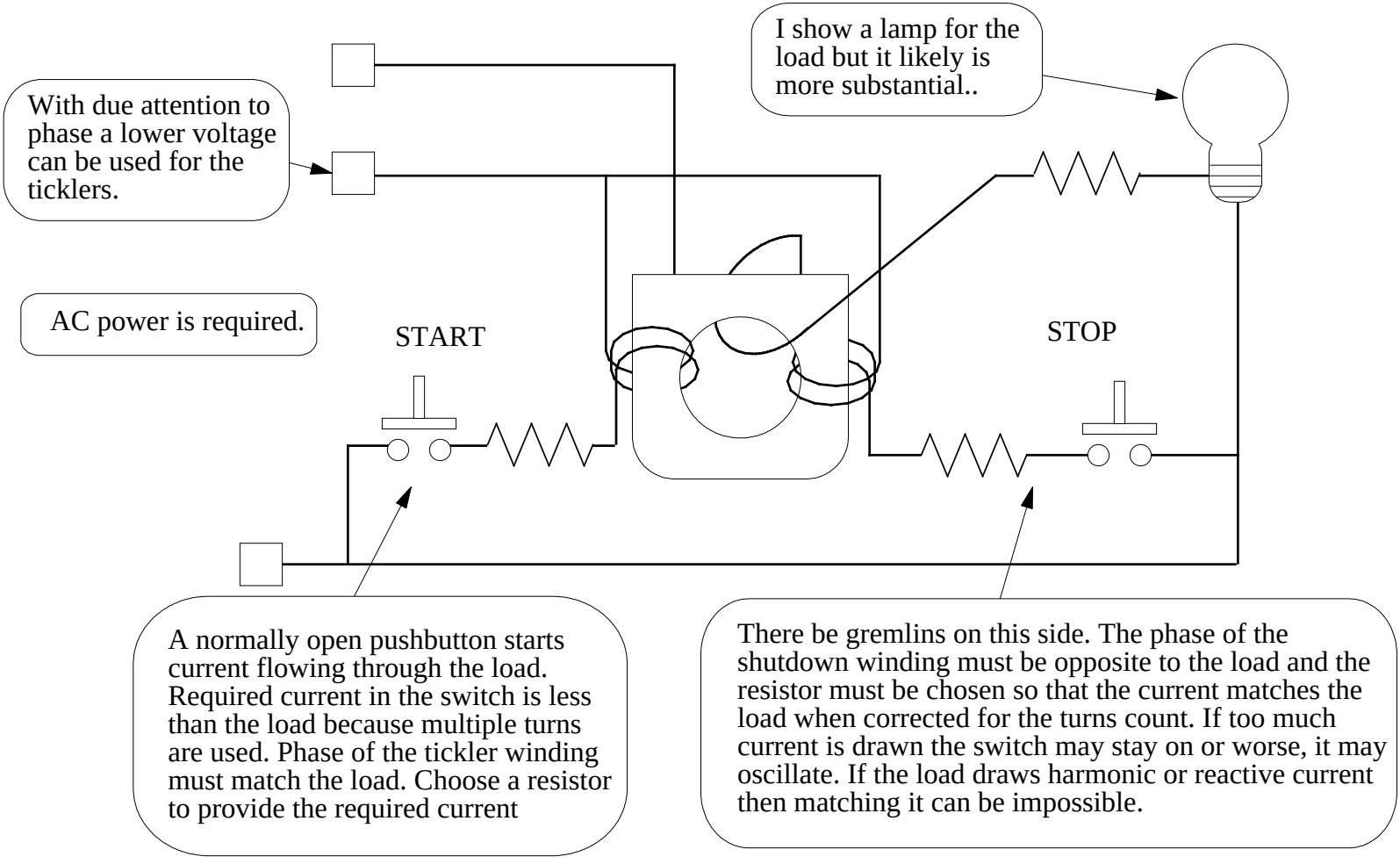

Using tickler windings to reduce current and voltage in the pushbuttons.

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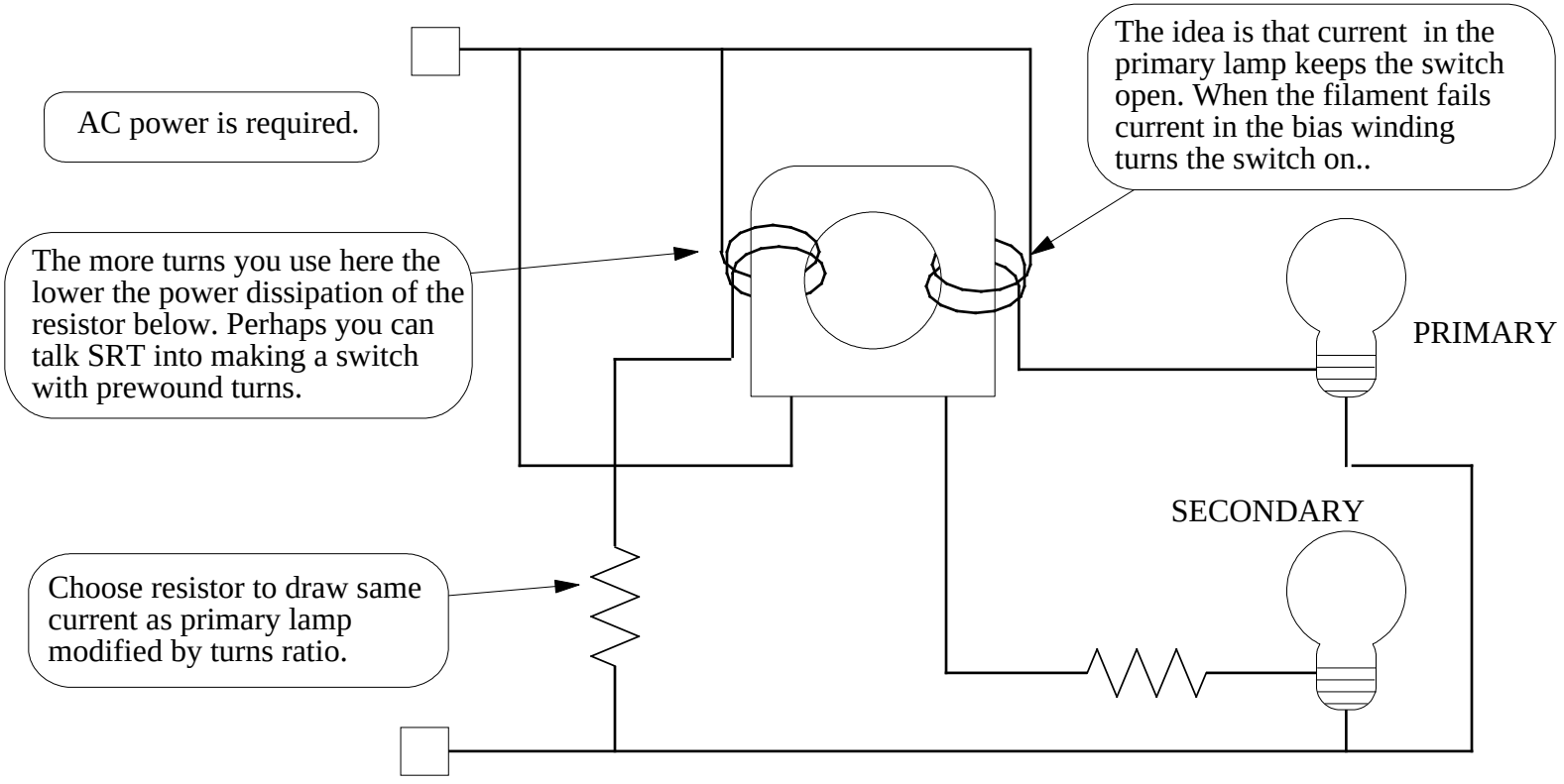
Tuesday, June 8, 1999 at 16:14:57



Switching to a secondary lamp when a primary filament fails.

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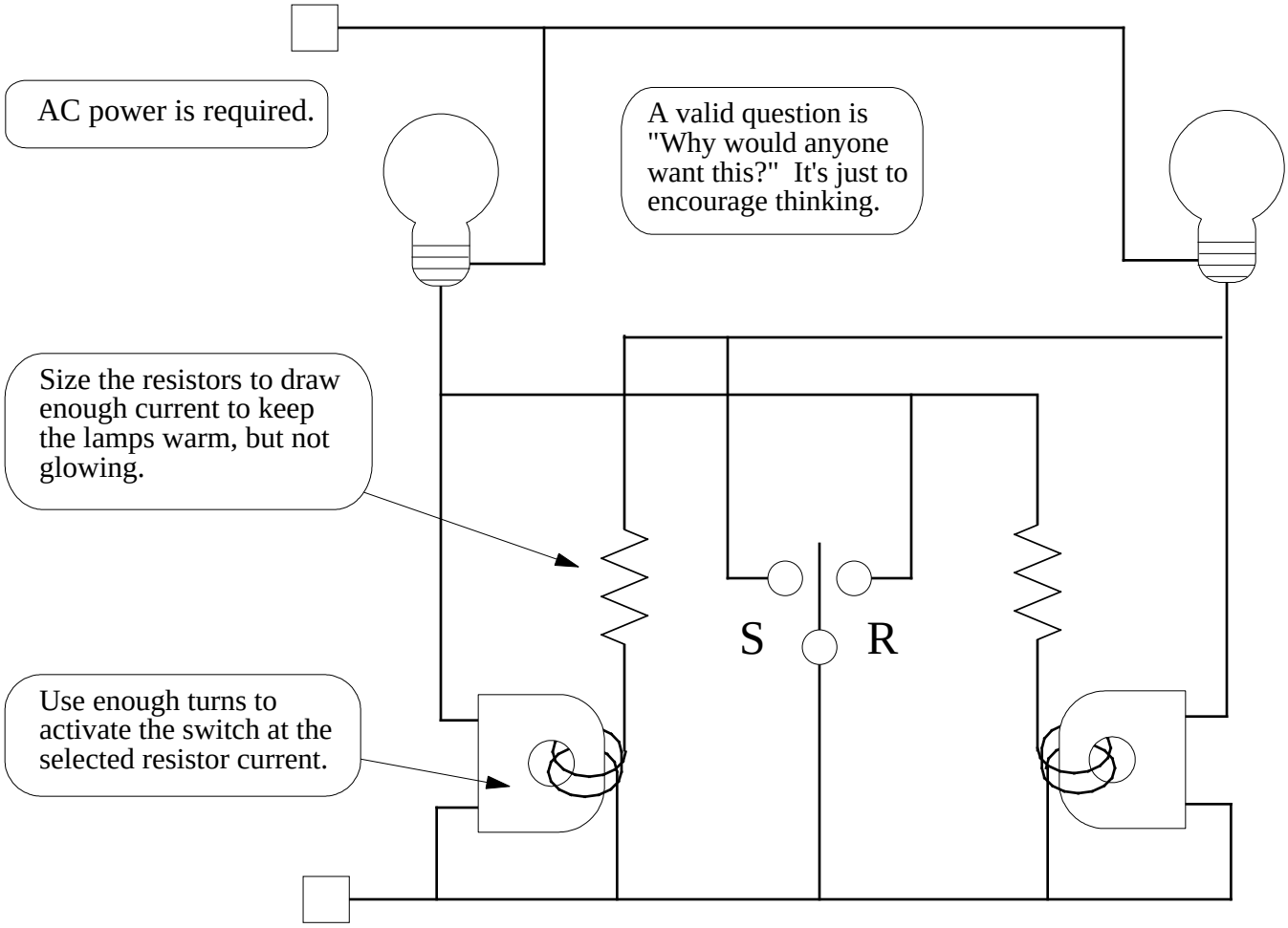

Set/Reset Flip Flop.

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Tuesday, June 8, 1999 at 16:31:36