hold the buffer containers, gel, connecting sponges, ice, etc. The interlock switch is closed when the lid of the plastic box is in place, and the switch is open at all other times.

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Richardson, R. H. University of Texas, Austin. A safety interlock for the Heath IP-17 power supply.

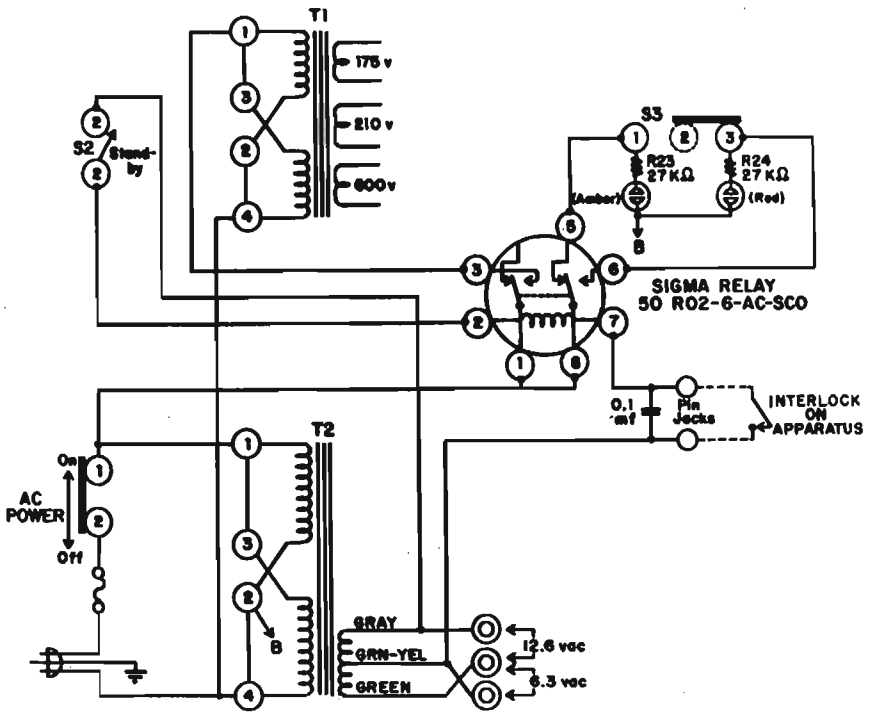
The Heath IP-17 power supply is the new model high voltage regulated power supply replacing the model IP-32. A number of peripheral circuit and cabinet modifications have been made, which result in changes from the IP-32 in details of incorporating a safety interlock. Basic operation of the interlock remains as previously given for the IP-32.

An important Heath change was separating the standby and the filament switches, and making them "positive" action without knobs to loosen. The S2 switch for the high voltage transformer is easily rewired in series with the relay coil and interlock switch.

Instead of adding a standby pilot light, the two lights supplied to indicate position of the meter switch may be rewired so that the red (labeled "B+ volts") indicates high voltage is available, while the amber (labeled "C-volts") may be relabeled "standby" and used to indicate absence of high voltage.

The only additions to the front panel of the IP-17 are two yellow tip jacks for connections of the interlock switches. The relay is mounted on the transformer chassis as near as possible to the top of the chassis between the two 6L6 tubes.

This work was done with the support of A.E.C. Contract No. AT-(40-1)-3681 to K. Kojima.



Schematic for incorporation of a safety interlock into the Heath IP-17 regulated DC Power Supply.