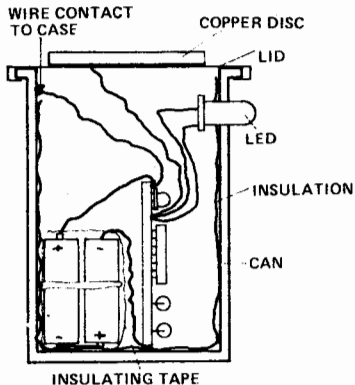


NOTE:  
IC1 IS 4011  
Q1 IS BC108

**IMPORTANT:** All unused inputs on IC1 should be grounded.



## Fuse Tester

R. Heggie.

This circuit can be used for testing fuses, and has the advantage of being much smaller and easier to use than an ohm meter. The circuit is built into a 35mm aluminium film can, and is powered by two small mercury cells. An old penny glued to the plastic lid of the can forms one of the touch contacts, and the case forms another.

To test a fuse, the case is held on one hand and the fuse in the other, the end being touched onto the copper disc, if the fuse is OK a small current will flow through to the first gate of IC1a taking the input high and the output low. This is inverted by IC1b, which turns Q1 on, lighting the LED. As current consumption with the LED extinguished is almost negligible, a battery switch is not required.