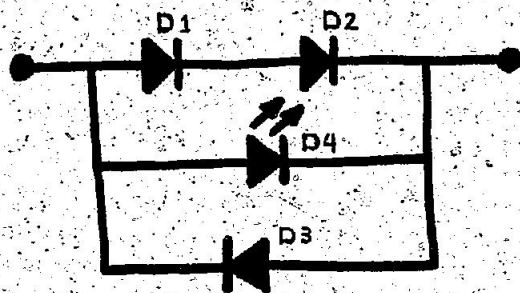


This little circuit will indicate when the central heating boiler is in operation. It can also be used in various other applications, to give a visual indication when mains-driven equipment is turned on.

For use in the intended application as



D1, D2, D3 =

1N 4001...

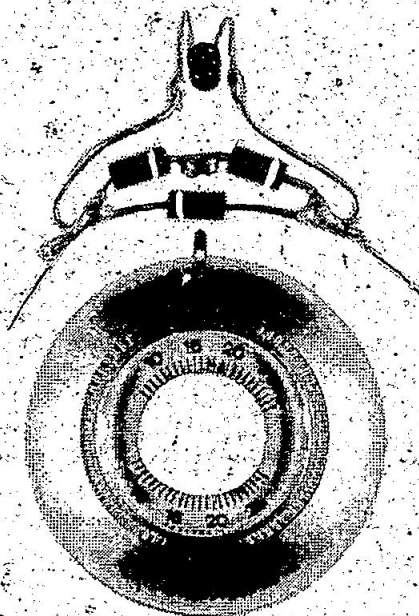
1N 4005

D4 = LED

## LED-THERMOSTAT-INDICATOR

it is simply connected in series with one of the leads from a two-wire thermostat. In more complicated control systems it may be necessary to check with a universal meter until a lead is located in which current flows only when the boiler is on. Note also that some systems work on DC, in which case the circuit must be connected 'the right way round'.

It is important that the power to the installation should be turned off while installing the indicator.



Diodes D1 and D2 determine the 'supply voltage' for the LED, and for some LEDs it may prove necessary to add a third diode in series with D1 and D2.

There is usually sufficient room inside the thermostat for the diodes. A small hole can be drilled through the outer case to accommodate the LED.