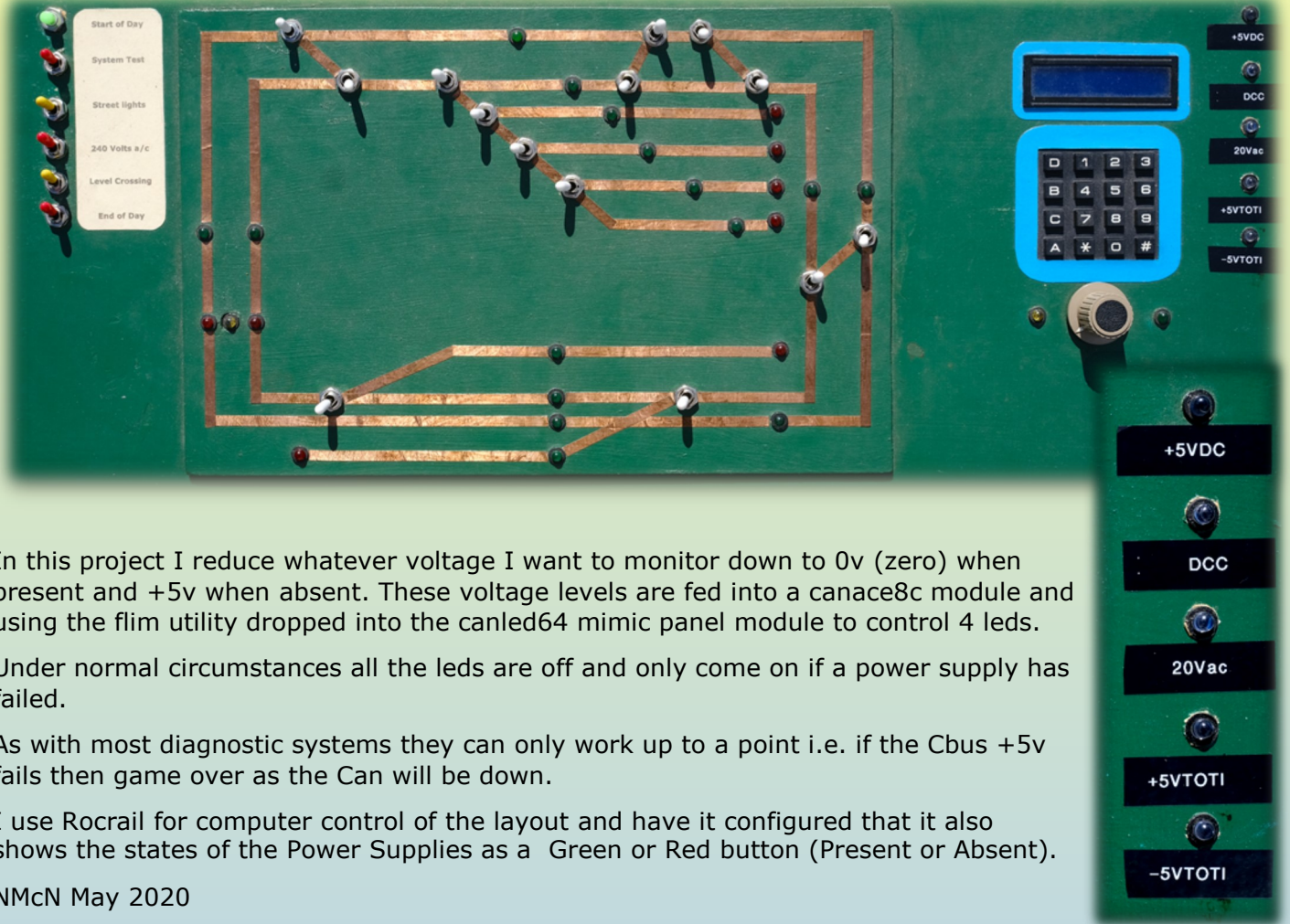


Power supply monitor for Cbus controlled layouts

As a cbus user you might like to try this.

Having heard countless talks on power supplies in model railway layouts it struck me that to have on your mimic panel an indication of a failed power supply could be quite handy.

In my layout I have Dcc to the tracks, 20Volts ac for lighting as well as feeding the older canacc8's, +5v and -5v for the older toti's and +12v dc for other accessories and a separate 5V for Cbus.



In this project I reduce whatever voltage I want to monitor down to 0v (zero) when present and +5v when absent. These voltage levels are fed into a canace8c module and using the flim utility dropped into the canled64 mimic panel module to control 4 leds.

Under normal circumstances all the leds are off and only come on if a power supply has failed.

As with most diagnostic systems they can only work up to a point i.e. if the Cbus +5v fails then game over as the Can will be down.

I use Rocrail for computer control of the layout and have it configured that it also shows the states of the Power Supplies as a Green or Red button (Present or Absent).

NMcN May 2020

