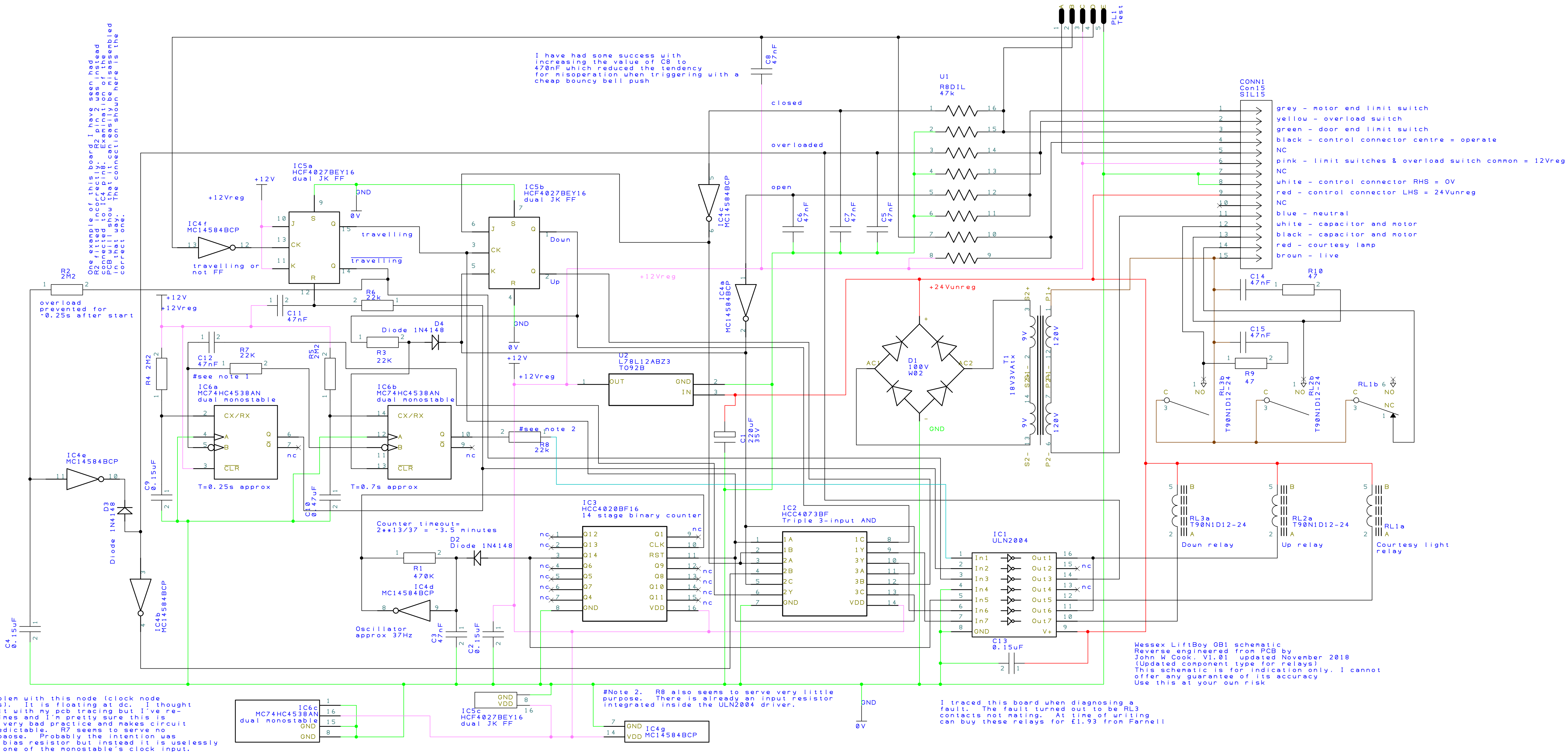

I have had some success with increasing the value of C8 to 470nF which reduced the tendency for misoperation when triggering with a cheap bouncy bell push

One example of this board I have seen had R2 fitted incorrectly. R2 pin 2 was instead connected to IC4 pin8. Examination of the PCB will show that it can easily be misassembled in that way. The connection shown here is the correct one.

#Note 1
There is a problem with this node (clock node for monostables). It is floating at dc. I thought this was a fault with my pcb tracing but I've re-checked many times and I'm pretty sure this is true. This is very bad practice and makes circuit operation unpredictable. R7 seems to serve no particular purpaose. Probably the intention was for it to be a bias resistor but instead it is uselessly in series with one of the monostable's clock input.

#Note 2. R8 also seems to serve very little purpose. There is already an input resistor integrated inside the ULN2004 driver.

Wessex LiftBoy GB1 schematic
Reverse engineered from PCB by
John W Cook. V1.01 updated November 2018
(Updated component type for relays)
This schematic is for indication only. I cannot offer any guarantee of its accuracy
Use this at your own risk

I traced this board when diagnosing a fault. The fault turned out to be RL3 contacts not mating. At time of writing can buy these relays for £1.93 from Farnell