

TETRODE LINEAR AMPLIFIER DESIGN SUITE GRID 1 SUPPLY AND DETECTION + HV / G2 SEQUENCER

DATE: 07/2022 REV: 7
BY: F1FRV@SFR.FR
DOC Nr: AMATEUR RADIO

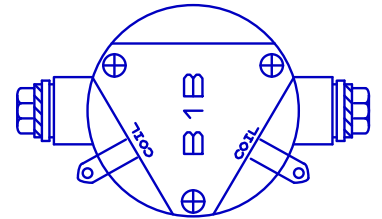
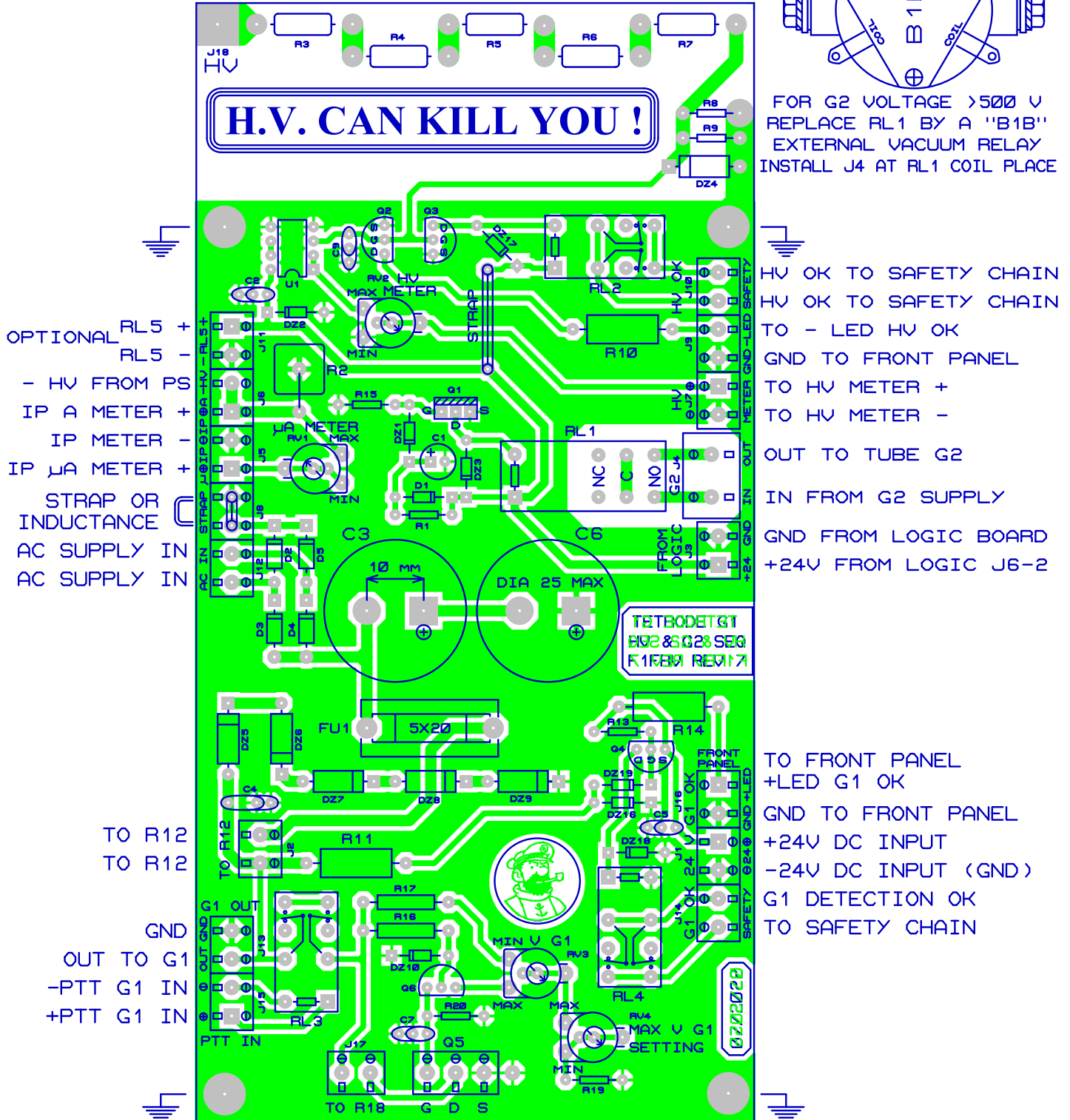
REV 7: NEW SHUNT SCHEMATIC FOR G1 BIAS +/- 15% TO +/- 30% ADJUSTMENT RANGE

DIMENSIONS DU CIRCUIT: 100 x 200 mm / PCB DIMENSIONS: 3.925" x 7.875"

CIRCUIT SIMPLE FACE AVEC UN STRAP / PCB SINGLE SIDE WITH 1 STRAP

FIXATIONS: 4 X M3 SCREWS. AXIS 90 x 155 mm

PCB MUST BE PLACED AT LEAST AT 25 mm OF GROUND



FOR G2 VOLTAGE >500 V
REPLACE RL1 BY A "B1B"
EXTERNAL VACUUM RELAY
INSTALL J4 AT RL1 COIL PLACE

HV OK TO SAFETY CHAIN
HV OK TO SAFETY CHAIN
TO - LED HV OK
GND TO FRONT PANEL
TO HV METER +
TO HV METER -

OUT TO TUBE G2
IN FROM G2 SUPPLY
GND FROM LOGIC BOARD
+24V FROM LOGIC J6-2

TO FRONT PANEL
+LED G1 OK
GND TO FRONT PANEL
+24V DC INPUT
-24V DC INPUT (GND)
G1 DETECTION OK
TO SAFETY CHAIN

- FOR Q5 USE HEATSINK ADAPTED TO DISSIPATION WITH INSULATING PAD. USE SHORT WIRES
- IF NO INDUCTANCE, MAKE STRAP WITHOUT J8
- IF NO OPTIONAL RL5, DONT USE J11 & DZ2
- WITH DIRECT READING IP AMMETER, (85C1) DONT USE R2 & RV1

ALL THESE TYPES OF VARIABLE RESISTORS CAN BE USED

