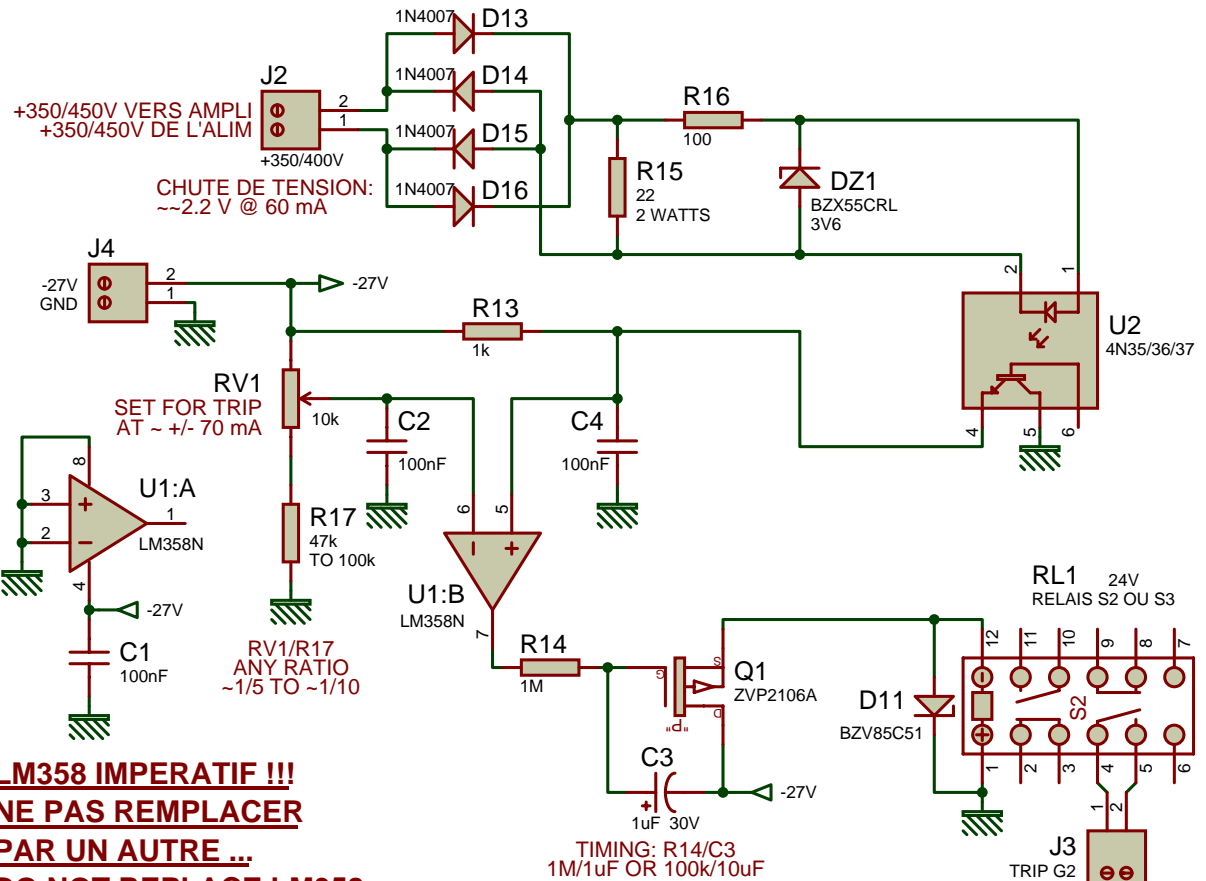
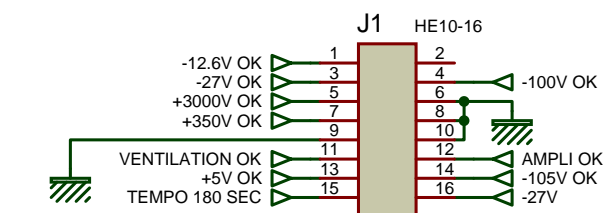
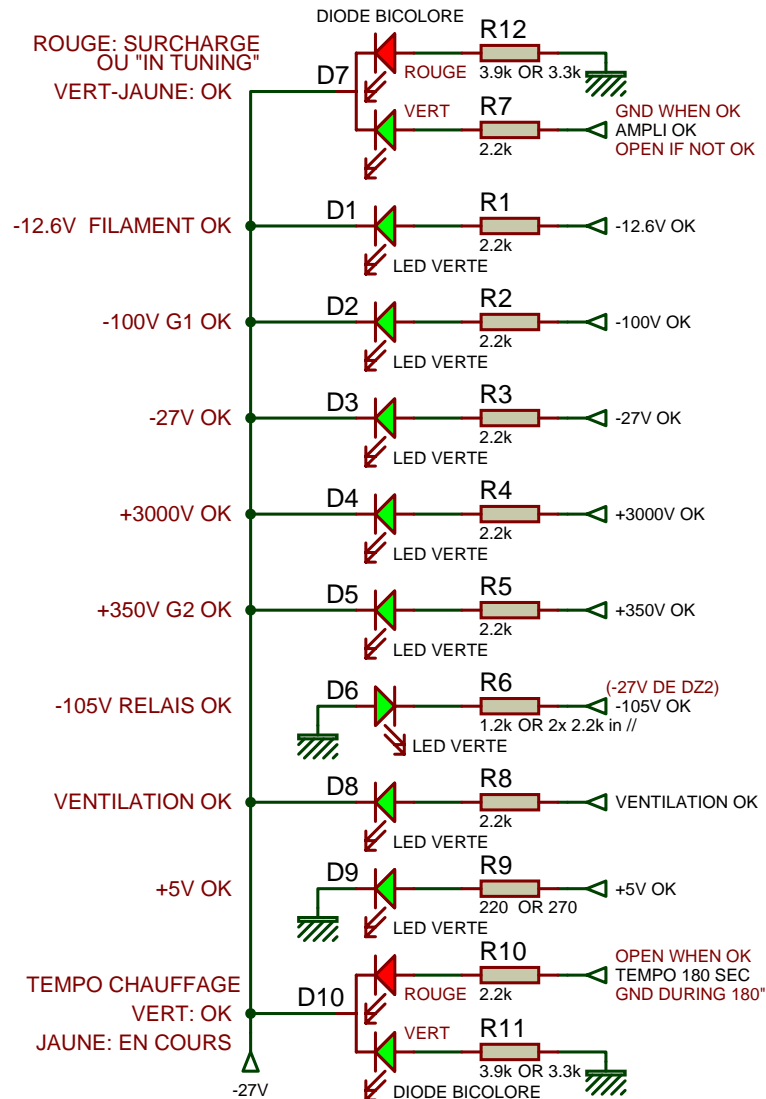


TOUS LES VOYANTS DOIVENT ETRE ALLUMES
ET VERTS POUR EMETTRE

ROUGE: SURCHARGE
OU "IN TUNING"
VERT-JAUNE: OK



LM358 IMPERATIF !!!
NE PAS REMPLACER
PAR UN AUTRE ...
DO NOT REPLACE LM358
BY ANY OTHER AMP OP !!!

**DETECTION OF MAXIMUM OF
POSITIVE OR NEGATIVE SCREEN
CURRENT (350/450V)**

RELAY OPENS ON CURRENT SURGE AFTER ~0.1 SEC,
THEN AUTOMATICALLY CLOSES ~1 SECOND
AFTER NO CURRENT EXCESS.
(STAYS OPEN, IF STILL TO HIGH CURRENT)

**DETECTION DE MAXIMUM DE
COURANT POSITIF OU NEGATIF
D'ECRAN (350/450V)**

LE RELAIS S'OUVRE SUR CRETE DE COURANT APRES ~0.1 SEC,
PUIS SE REFERME AUTOMATIQUEMENT ~1 SECONDE
APRES DISPARITION DU DEFAUT.
(RESTE OUVERT SI LE COURANT EST TOUJOURS TROP FORT)

REV 3A1: LEDs D7 & D10 REVERSED (RED TO GREEN). R11 & R12: 3.9 k OR 3.3k INSTEAD OF 2.2 K
REV 3A2: Removed Diode in // to R14. Added R17 for easier trimming.

ALIMENTATIONS AMPLI R-140
VOYANTS & DETECTION COURANT G2

DATE: 13/03/14 REV: 3a2 PAGE: 1/2
BY: f1frv@sfr.fr
DOC N°: Amateur Radio

EN "TUNING" & SURCHARGE
ALIMENTATION GRILLE 1 OK
CHAUFFAGE FILAMENT OK
ALIMENTATION 27 VOLTS OK
HAUTE TENSION OK
ALIMENTATION GRILLE 2 OK
ALIMENTATION RELAIS OK
VENTILATION OK
ALIMENTATION 5 VOLTS OK

TEMPORISATION 4 MINUTES
CHAUFFAGE FILAMENT

F1FRV 07/2006

F1FRV 07/2006

R-140 F1FRV

**+ HAUTE
TENSION**

ALIMENTATIONS AMPLIFICATEUR TETRODE
TOUS LES VOYANTS DOIVENT ETRE ALLUMES
ET ETRE VERTS POUR POUVOIR EMETTRE !!!

ALIMENTATIONS RACK 1
12.6 V, 27 V, 5 V, 115 VAC

ALIMENTATIONS RACK 2
-100 V, +350/400 V, 105 V

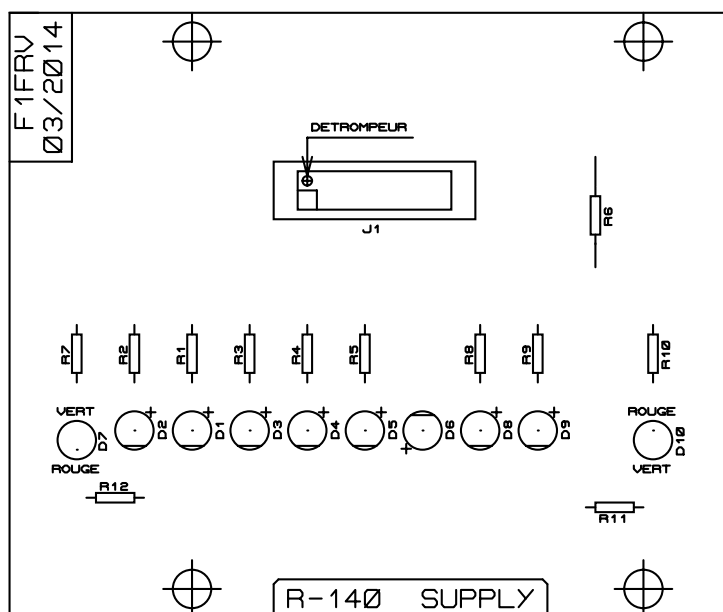
**- HAUTE
TENSION**

**SOUS
TENSION**

**MARCHE
ARRET**

The schematic diagram illustrates the internal circuitry of a power supply unit. Key components include:

- Transformer T1**: A toroidal transformer with primary taps for 0V, -27V, and +350V.
- Rectifier Bridge**: Composed of four diodes (D1, D2, D3, D4) connected to the secondary winding.
- Filtering and Regulation**: Includes electrolytic capacitor C1, zener diode Z1 (5.1V), and various resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18).
- Control and Protection**: Features a thermal fuse FU1, a thermistor G1, and a temperature switch S2.
- Output Section**: Contains a relay RL1 controlled by S2, and output terminals J2 for +350V DE L'ALIM and +350V VERS AMPLI.
- Grounding**: The chassis is grounded at multiple points, indicated by ground symbols and the label "GND".



TOUTES LES LEDS DOIVENT ETRE ALLUMÉES
ET ETRE EN VERT POUR POUVOIR ÉMETTRE

- ⊕ TUNING & SURCHARGE
- ⊕ -100 VOLTS OK
- ⊕ -12.6 VOLTS OK
- ⊕ -27 VOLTS OK
- ⊕ +3000 VOLTS OK
- ⊕ +350 VOLTS OK
- ⊕ -105 VOLTS OK
- ⊕ VENTILATION OK
- ⊕ +5 VOLTS OK
- ⊕ TEMPO CHAUFFAGE

GABARIT DE PERCAGE DE LA FACE AVANT

