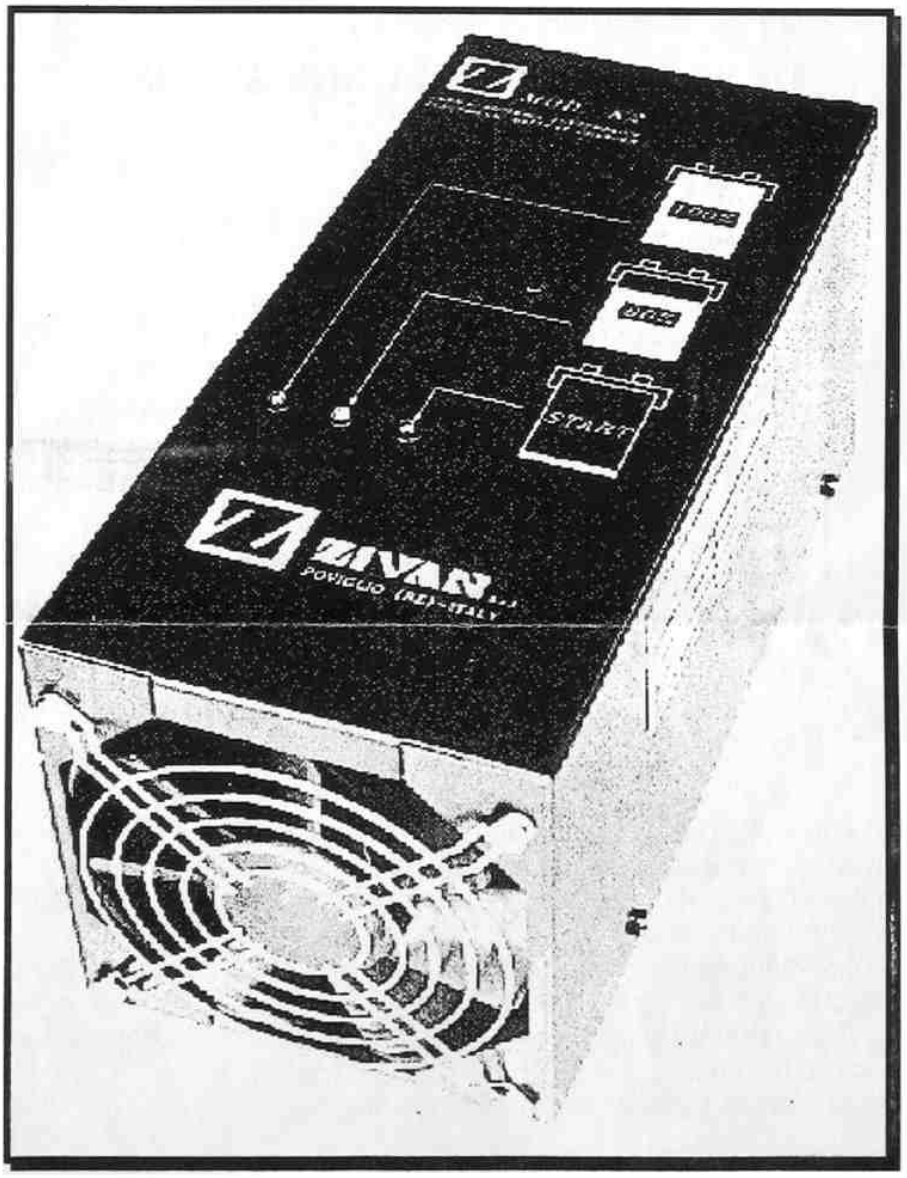
COSTRUZIONE APPARECCHIATURE ELETTRONICHE-INDUSTRIALI
42028 - POVIGLIO - (R.E.) - Via della Costituzione 26 - ITALIA
Tel. (0522) 960593 (r.a.) - Fax (0522) 967417

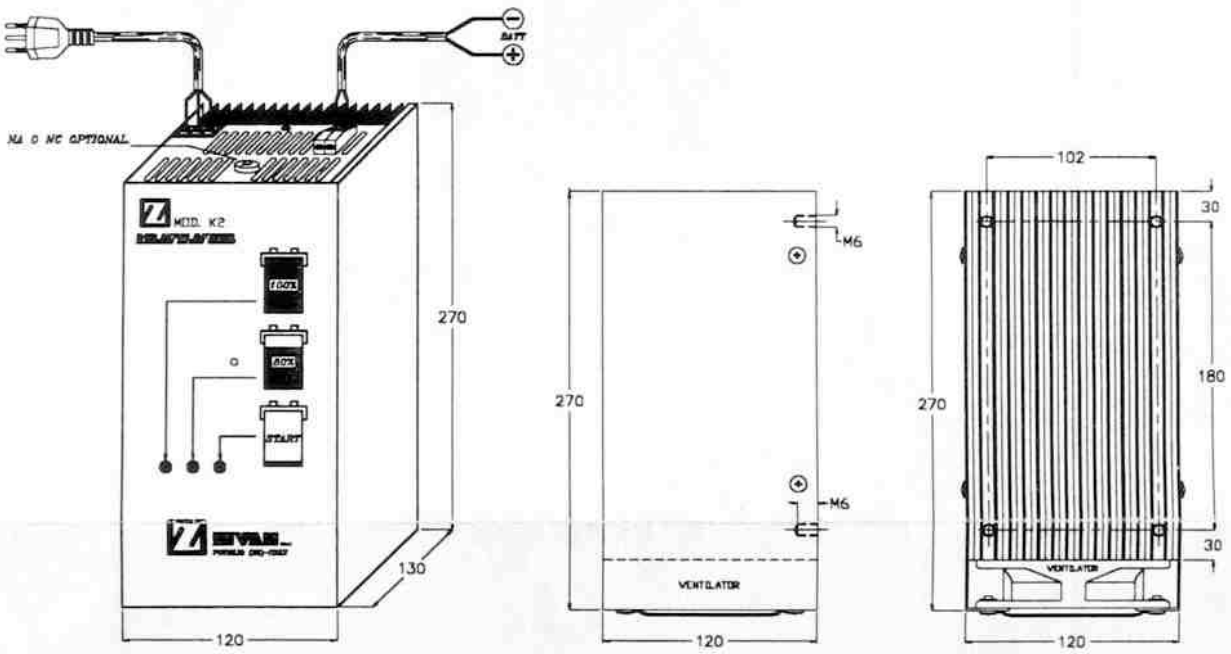
BATTERY CHARGER K2



MAIN BENEFIT FOR THE BATTERY

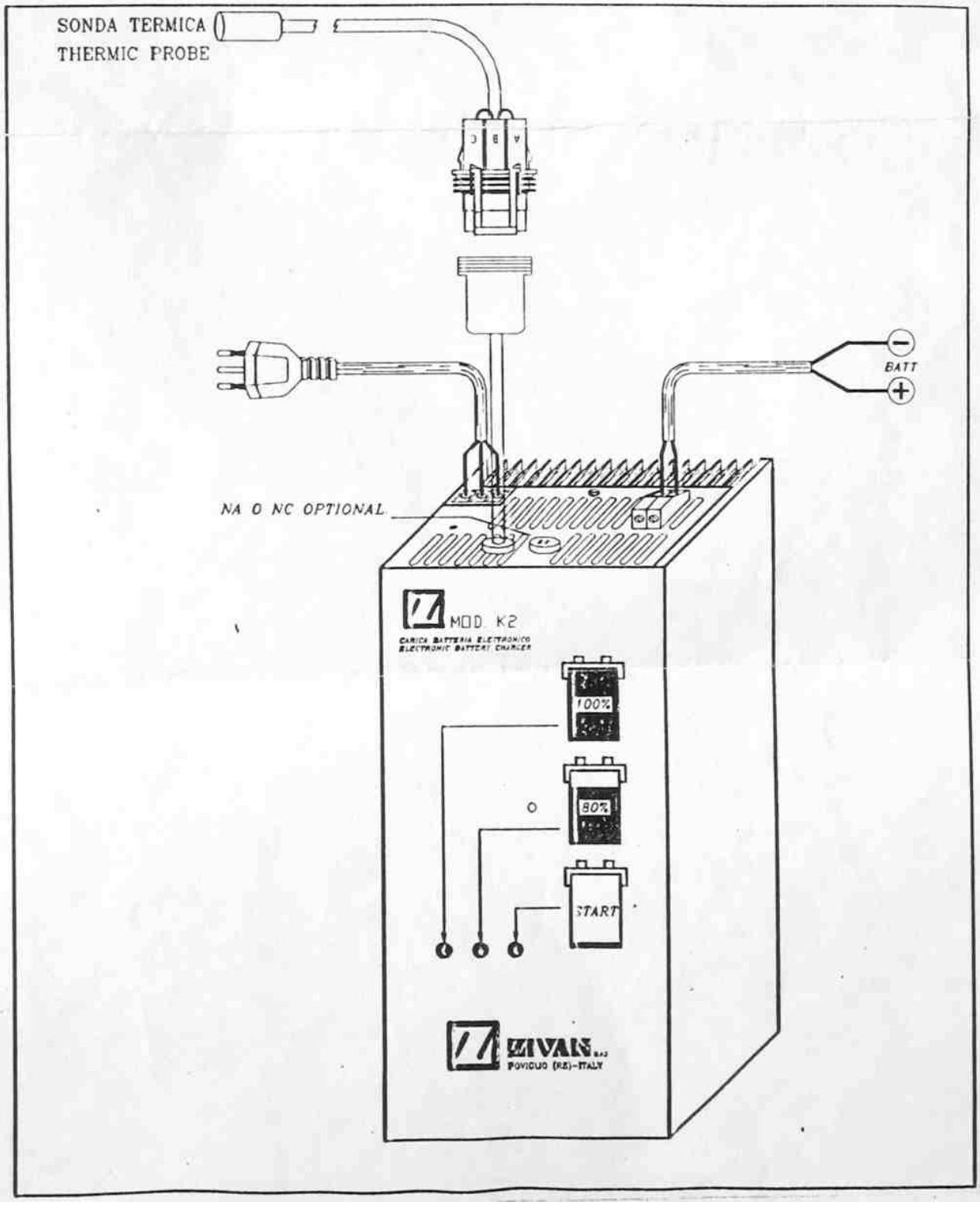
- Extended battery life.
- Less deteriorioration of the plates in that the charge occurs at a continuous and not mpulsive current
- Reduced accumulation of gas in the final charge phase and therefore less deterioration of the plates.
- Reduced heating of the battery because the charge occurs at a controlled maximum current with RMS very similar to the average value.
- Respect for the termic balance, avoiding shocks in the plates that make up the celles wich cause dissolution of active material and subsequent formation of waste slime.
- More complete daily charges as charging can be maintained for longer periodes without damaging the battery.

DIMENSIONS AND CONNECTIONS

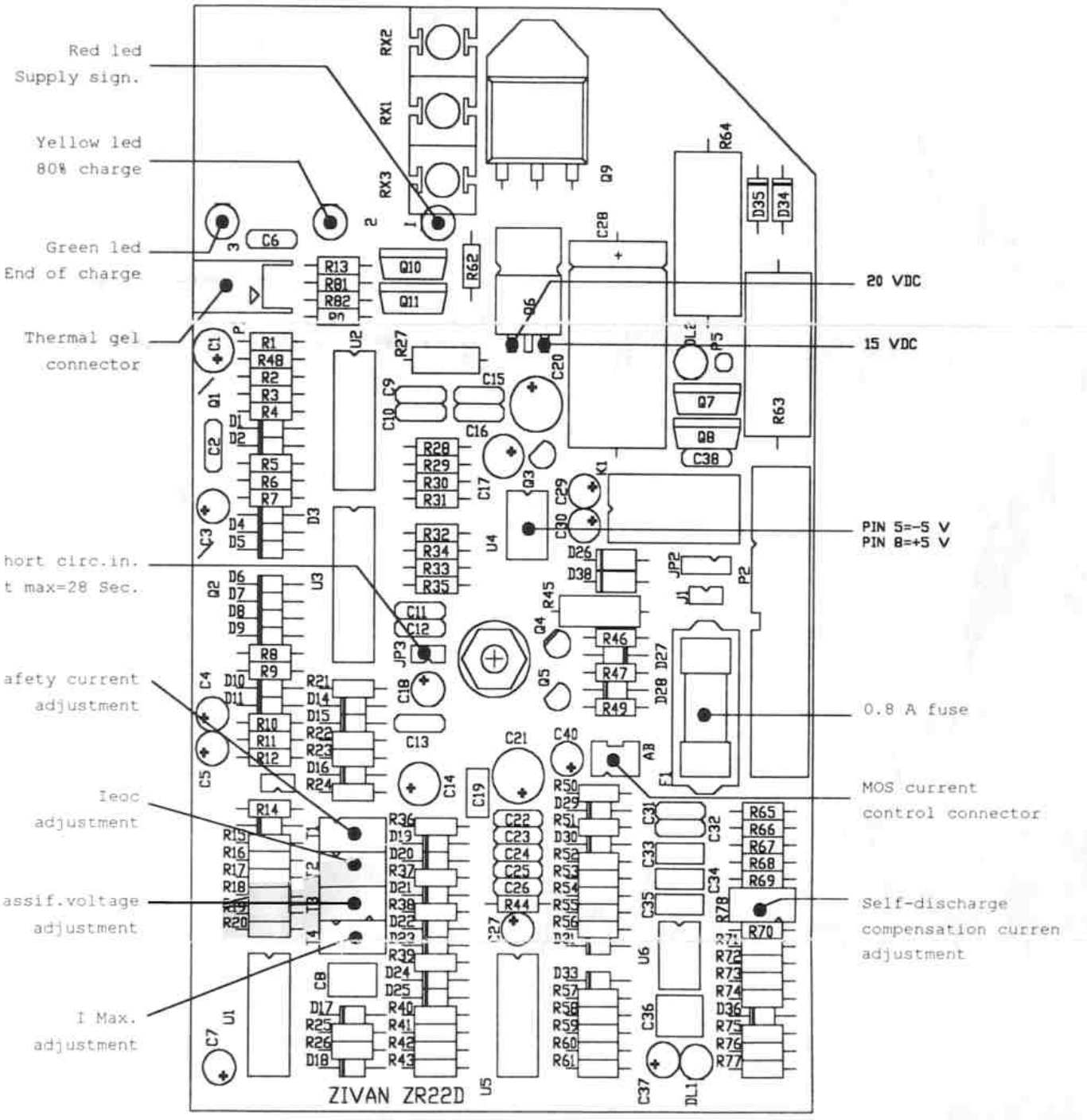


1. Link the connection cable to the battery to be charged.Be careful to the polarity (i.e. red cable to positive pole, black cable to negative pole).
2. Plug in the AC plug of the battery charger (for standard k2 the plug shuold be a 220-240 V 60-60 Hz one).
3. To disconnect the battery, when the battery is fully charged, unplug the plug and disconnect the cables from the battery.
4. In order to use the AC voltage contact (optional) you should connect the plug shown in the picture.
5. To mechanical fixing please refer to the picture.

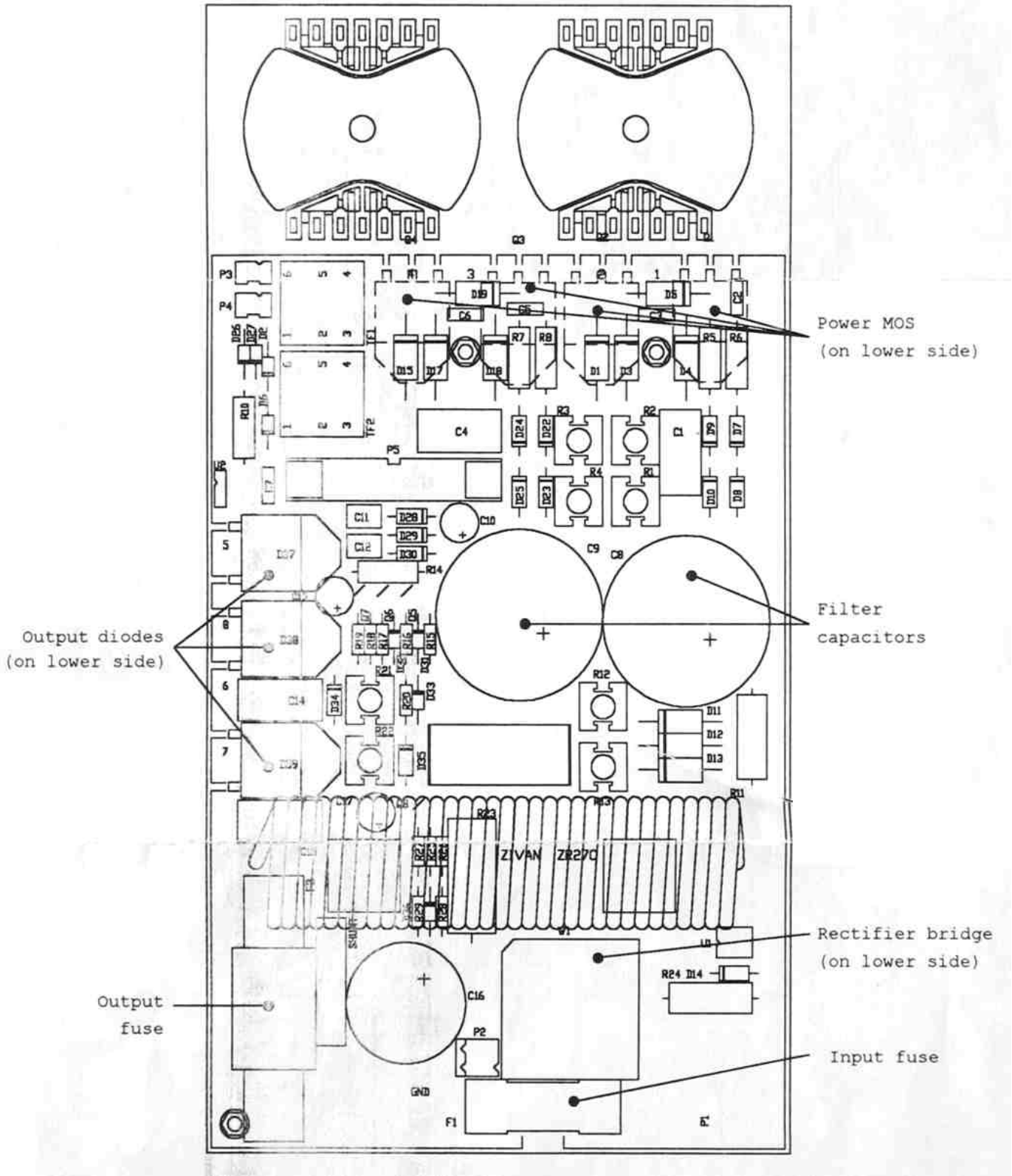
K2 CON SONDA TERMICA
K2 WITH THERMIC PROBE



MAIN LOGIC BOARD (ZR22)



POWER BOARD (ZR27)



RECOMMENDED INSTALLATION PROCEDURE FOR ZIVAN CHARGERS

1) **MountIng:**

A) Install vertically with fan at bottom so writing reads correctly.
B) Suggest mounting on 1" standoffs to four 6 mm mounting threads in heat sink.
C) Don't mount in zero clearance compartment. Allow airflow below for fan intake and above for exhaust air. Provide fresh air intake to fan if possible.

2) Moisture: mount in dry location. Prevent moisture and water getting on charger.

3) Grounding: Use grounded AC plug Unit must be grounded or warranty is void.

4) Wiring:

Units with Connector Plug
Center pin=ground
Two outside pins=120 or 240VAC wires

Units with wire
110VAC: green & yellow = ground
Blue=neutral Brown=hot

220VAC: green & yellow = ground
Blue=hot Brown=hot

5) Adjustments - (Pre-adjusted)

Max current: I max (T4)
Gassing voltage: Gassif. voltage (T3)
Finish Current: leoc (T2) (Finish current goes for 3 hours)

See drawing for pot locations. T4. T3, T2 accessible through slot on side of charger. Counter-clockwise reduces value Clockwise increases it. Pots are rnulti-turn.

Current adjustment: Max current is written on side of charger. If AC circuit breaker trips frequently you may need to turn **I max** (T4) down. Don't exceed output current rating on nameplate.

Gassing voltage:

2.4V/cell @) 25 deg C for lead acid batteries or
1.2 x battery pack voltage

Fully charged / finish voltage:

2.5V/cell @ 25 deg C for lead acid batteries or
1.25 *x* battery pack voltage

Finish current phase should reach this level. If not, turn finish current up or down.