

Depower, change SET LOAD switch back to 2 ohms and increase mains voltage to 223V.

Power on and observe:

- 1- Relay RL106 comes on, followed by:-
- 2- Relay RL102.

Depower and increase mains voltage to 240V.

Power on and observe:

- 1- Relay RL105 comes on, followed by:-
- 2- Relay RL102.

Depower.

Relay RL105 and RL106 must be calibrated to come on together, at between 242V and 243.5V AC. To do this set the Mains V at about 243, power on and check whether RL105-106 come on together, if not use preset P201 to calibrate, rotate clock-wise to make more sensitive.

Depower and decrease mains voltage to 214V.

Power up and observe:

- 1- Only relay RL102 should come on.

Depower and increase mains voltage to 216V.

Power up and observe:

- 1- Relay RL106 should come on followed by:-
- 2- Relay RL102.

Depower and wind variac to 0 Volts.

POWER CHECKS

Connect current measuring jig to J208.

Connect external bridge rectifier from variac output to BR101 red and black terminals.

Ensure that the variac which this is connected to is at 0 Volts before you plug in.

Connect current loop with current probe attached, to J103.

Plug unit into 240V outlet and power on, wait for startup sequence to complete, observe 80KHz clock should have a mark space ramp up and unequal mark space ratio, off time is longer than on time.