

RED	= 82C - 88C
YELLOW	= 88C - 89C
GREEN	= 89C - 97C
GREEN TO BLUE	= 97C - 99C
BLUE	= 99C - 100C
DARK BLUE	= 100C - 101C
BLACK	= 102C

Under normal operating conditions the amp will go into thermal fault mode when the devices get to BLUE 99C, if any go black they must be changed or the reason for them getting hot must be solved.

SOAKING

The amps should now go on a soaking cycle of 50 hours minimum.

It is best to use a 12 ohm load with the amp in 2 Channel mode set for 8 ohm operation. Drive the amp with a tone bursted signal which runs a mark space ratio of 50/50 up to the -3dB led only.

FINAL QC

Full power at 120V:

Power unit from variac set at 120V, put amp in bridge mode, plug load into the + output terminals and power up, wait for startup cycle to complete then wind input signal all the way up. Leave for about a minute.

AUDIO CHECK

At this point the unit must be given a listening test, this is best achieved by taking a voltage tap from the output load (assuming you are using electric fire bars as a load).

Remove perspex covers and replace with proper metal ones.

Depower, unplug signal source and replace with an input from a CD player or similar.

Wind variac up to 240V, set input sensitivity to -2, power on and wind level all the way up.

Before starting the music, check the background HF noise level, it should be just hearable through the tweeters.

Start music, the amp should clip (choose a music track which will force this to happen e.g. Annie Lennox, Diva, track 3), this will ensure that none of the FAULT circuits can be forced into a false fault.